APPENDIX A

COMMENTS RECEIVED ON THE DRAFT EIR

CALIFORNIA Water Boards

Edmund G. Brown Jr.
Governor

Matthew Rodriquez
Secretary for Environmental Protection

Central Valley Regional Water Quality Control Board

RECEIVED
MAY 16 2013
CITY OF TRACY
D.E.S.

13 May 2013

Bill Dean
City of Tracy
333 Civic Center Drive
Tracy, CA 95376

CERTIFIED MAIL
7012 0470 0000 9904 4908

COMMENTS TO REQUEST FOR REVIEW FOR THE DRAFT ENVIRONMENTAL IMPACT REPORT, CORDES RANCH SPECIFIC PLAN PROJECT, SCH NO. 2011122015, SAN JOAQUIN COUNTY

Pursuant to the State Clearinghouse's 5 April 2013 request, the Central Valley Regional Water Quality Control Board (Central Valley Water Board) has reviewed the *Request for Review for the Draft Environmental Impact Report* for the Cordes Ranch Specific Plan Project, located in San Joaquin County.

Our agency is delegated with the responsibility of protecting the quality of surface and groundwaters of the state; therefore our comments will address concerns surrounding those issues.

SA1-1

Construction Storm Water General Permit

Dischargers whose project disturb one or more acres of soil or where projects disturb less than one acre but are part of a larger common plan of development that in total disturbs one or more acres, are required to obtain coverage under the General Permit for Storm Water Discharges Associated with Construction Activities (Construction General Permit), Construction General Permit Order No. 2009-009-DWQ. Construction activity subject to this permit includes clearing, grading, grubbing, disturbances to the ground, such as stockpiling, or excavation, but does not include regular maintenance activities performed to restore the original line, grade, or capacity of the facility. The Construction General Permit requires the development and implementation of a Storm Water Pollution Prevention Plan (SWPPP).

For more information on the Construction General Permit, visit the State Water Resources Control Board website at:
http://www.waterboards.ca.gov/water_issues/programs/stormwater/constpermits.shtml.

SA1-2

Phase I and II Municipal Separate Storm Sewer System (MS4) Permits[1]

The Phase I and II MS4 permits require the Permittees reduce pollutants and runoff flows from new development and redevelopment using Best Management Practices (BMPs) to the maximum extent practicable (MEP). MS4 Permittees have their own development standards, also known as Low Impact Development (LID)/post-construction standards that include a hydromodification component. The MS4 permits also require specific design concepts for LID/post-construction BMPs in the early stages of a project during the entitlement and CEQA process and the development plan review process.

For more information on which Phase I MS4 Permit this project applies to, visit the Central Valley Water Board website at:
http://www.waterboards.ca.gov/centralvalley/water_issues/storm_water/municipal_permits/.

SA1-3

Industrial Storm Water General Permit

Storm water discharges associated with industrial sites must comply with the regulations contained in the Industrial Storm Water General Permit Order No. 97-03-DWQ.

For more information on the Industrial Storm Water General Permit, visit the Central Valley Water Board website at:
http://www.waterboards.ca.gov/centralvalley/water_issues/storm_water/industrial_general_permits/index.shtml.

SA1-4

Clean Water Act Section 404 Permit

If the project will involve the discharge of dredged or fill material in navigable waters or wetlands, a permit pursuant to Section 404 of the Clean Water Act may be needed from the United States Army Corps of Engineers (USACOE). If a Section 404 permit is required by the USACOE, the Central Valley Water Board will review the permit application to ensure that discharge will not violate water quality standards. If the project requires surface water drainage realignment, the applicant is advised to contact the Department of Fish and Game for information on Streambed Alteration Permit requirements.

If you have any questions regarding the Clean Water Act Section 404 permits, please contact the Regulatory Division of the Sacramento District of USACOE at (916) 557-5250.

SA1-5

Clean Water Act Section 401 Permit – Water Quality Certification

If an USACOE permit, or any other federal permit, is required for this project due to the disturbance of waters of the United States (such as streams and wetlands), then a Water Quality Certification must be obtained from the Central Valley Water Board prior to initiation of project activities. There are no waivers for 401 Water Quality Certifications.

SA1-6

[1] Municipal Permits = The Phase I Municipal Separate Storm Water System (MS4) Permit covers medium sized Municipalities (serving between 100,000 and 250,000 people) and large sized municipalities (serving over 250,000 people). The Phase II MS4 provides coverage for small municipalities, including non-traditional Small MS4s, which include military bases, public campuses, prisons and hospitals.

Waste Discharge Requirements

If USACOE determines that only non-jurisdictional waters of the State (i.e., "non-federal" waters of the State) are present in the proposed project area, the proposed project will require a Waste Discharge Requirement (WDR) permit to be issued by Central Valley Water Board. Under the California Porter-Cologne Water Quality Control Act, discharges to all waters of the State, including all wetlands and other waters of the State including, but not limited to, isolated wetlands, are subject to State regulation.

SA1-7

For more information on the Water Quality Certification and WDR processes, visit the Central Valley Water Board website at:
http://www.waterboards.ca.gov/centralvalley/help/business_help/permit2.shtml.

If you have questions regarding these comments, please contact me at (916) 464-4684 or tcleak@waterboards.ca.gov.

for Trevor Cleak
Environmental Scientist

cc: State Clearinghouse Unit, Governor's Office of Planning and Research, Sacramento

COMMENT LETTER # SA2

NATURAL RESOURCES AGENCY EDMUND G. BROWN JR., GOVERNOR

DEPARTMENT OF CONSERVATION

Managing California's Working Lands

DIVISION OF OIL, GAS, & GEOTHERMAL RESOURCES

801 K STREET • MS 20-22 • SACRAMENTO, CALIFORNIA 95814

PHONE 916 / 322-1110 • **FAX** 916 / 322-1201 • **TDD** 916 / 324-2555 • **WEB SITE** conservation.ca.gov

May 15, 2013

Bill Dean
Assistant Development Services Director
City of Tracy
333 Civic Center Plaza
Tracy, CA 95736

Re: Cordes Ranch Specific Plan Project

Dear Mr. Dean:

The Department of Conservation's Division of Gas, Oil, and Geothermal Resources (Division) has reviewed the above referenced document. The Division supervises the drilling, maintenance, and plugging and abandonment of oil, gas, and geothermal wells in California. The scope and content of information that is germane to the Division's responsibility are contained in Section 3000 et seq. of the Public Resources Code (PRC), and administrative regulations under Title 14, Division 2, Chapter 4 of the California Code of Regulations (CCR). The Department offers the following comments for your consideration. **SA2-1**

There is one plugged and abandoned well within the project boundaries. The well is identified as Richard S. Rheem, Operator, "Weaver-Cordes" 1, API #07700337, Section 26, Township 2S, Range 4E, Latitude 37.725510, Longitude -121.512698 (approximate). If located during construction, remedial plugging operations may be required. **SA2-2**

To accurately locate abandoned wells with respect to proposed structures, each abandoned well should be located and uncovered and the location surveyed accurately to a known datum. The use of a metal detector and excavation with a backhoe are suggested to facilitate locating the wells. In addition, the Division's district office in Sacramento, California, should be notified when the wells are uncovered so that a Division inspector may evaluate the condition of the wells at the surface. In addition to the subject well, if any other abandoned or unrecorded wells are uncovered or damaged during excavation or grading, remedial plugging operations may be required. This office must be contacted to obtain information on the requirements for and approval to perform remedial operations. **SA2-3**

The Division recommends that no structure be built over or in proximity to an abandoned well location. Section 3208.1 of the Public Resources Code authorizes the State Oil and Gas Supervisor to order the re-abandonment of a previously abandoned well when construction of **SA2-4**

any structure over or in the proximity of a well could result in a hazard. The cost of re-abandonment operations is the responsibility of the owner or developer of the project upon which the structure will be located. If a well requiring re-abandonment is on an adjacent property and near the common property line, the Division recommends that the structure be set back sufficiently to allow future access to the well.

SA2-4 cont.

Should you need any additional information, please contact B.G. Tackett at (916) 322-1110, or baxter.tackett@conservation.ca.gov.

Sincerely,

X Michael L. Woods

Michael L. Woods
District Deputy

COMMENT LETTER # SA3

DEPARTMENT OF TRANSPORTATION
P.O. BOX 2048 STOCKTON, CA 95201
(1976 E. CHARTER WAY/1976 E. DR. MARTIN
LUTHER KING JR. BLVD. 95205)
TTY: California Relay Service (800) 735-2929
PHONE (209) 941-1921
FAX (209) 948-7194

Flex your power!
Be energy efficient!

May 20, 2013

10-SJ-205-PM1.35
Cordes Ranch Specific Plan
SCH# 2011122015

Mr. Bill Dean
City of Tracy
333 Civic Center Plaza
Tracy, CA 95376

Dear Mr. Dean:

The California Department of Transportation (Department) appreciates the opportunity to comment on the Draft Environmental Impact Report (DEIR) for the Cordes Ranch Specific Plan. The project is located adjacent to and south of Interstate 205 near Mountain House Parkway and northeast of Interstate 580. The Project involves the development of approximately 1,780 acres of land with commercial, office, business park industrial, and park and recreational uses.

It is unfortunate we were not able to discuss the Traffic Impact Study (TIS) as requested in our letter of December 22, 2011, prior to development of the DEIR. At that time, we requested you submit the scope of work for review and comment prior to starting work on the TIS. We hoped to have been able to discuss the assumptions, data requirements, study scenarios, and analysis methodologies to be used so there could be an agreement prior to the actual study being conducted and avoid delays and requests for additional information as this letter will state. Based on the review of the information provided, the Department will require a significant amount of additional information, modifications and revisions in order to properly analyze the impacts of this development on the state highway system. The study omitted analysis of the potential impacts to the state highway system such as the projects impacts on intersections at buildout, "Existing+Approved+Project" condition, merge and diverge impacts at off-ramps and on-ramps for both I-205 and I-580 and the use of existing volumes that are lower than the volumes collected by Caltrans and the Ellis Specific Plan EIR. The Department is requiring a response prior to the issuance of a Final EIR and as such all new information, analysis (Section 4.14 Traffic) and comments will need to be recirculated for review by commenting agencies. **SA3-1**

The Department has provided specific comments below that must be addressed by the City. Upon receiving the revised TIS the Department will reevaluate the document and provide further comments to the City.

Traffic Operations

1. The Cordes Ranch Specific Plan DEIR only analyzes the 2035 Plus Project Buildout scenario for roadway segment analysis, and does not address the project impacts to intersections. **SA3-2**

Section 4.14, Transportation and Traffic, mentions Phase 1 and Phases 2-4 and refers to phases after Phase 1 as "Buildout".

Refer to page 4.14-46, Scenarios Analyzed and Analysis Methodologies. The transportation section of the DEIR lists the assessed scenarios as follows:

- Existing Plus Phase 1 Project: *Intersection analysis*
- Existing Plus Project Buildout: *Roadway segment analysis*
- 2035 Plus Phase 1 Project: *Intersection analysis*
- 2035 Plus Project Buildout: *Roadway segment analysis*

This section then explains the reasoning for the above scenario analyses is as follows:

> "As stated at the beginning of this chapter, the analysis of the Phase 1 Project is performed on an intersection level, and the analysis of Project Buildout is performed on a roadway segment level. This is because Phase 1 of the Project is expected to be fully developed by the horizon year of 2035, whereas full Project Buildout may take additional time beyond 2035 to develop. The longer horizon for Project Buildout makes intersection-level forecasting infeasible for several reasons including: (1) a longer-term travel demand model is not available; (2) there are many variables about how the rest of the region will develop both in terms of land use and infrastructure; and (3) detailed engineering design of roadways for the network under Project Buildout conditions for purposes of analyzing when intersection improvements beyond 2035 would be triggered are not currently available."

SA3-2 cont.

However, the project schedule as described on page 3-49, second paragraph is:

> "Phase 1 development is expected to occur within approximately 10 or 15 years. Full buildout is expected to occur within 20 or 30 years depending on market factors."

If the Phase 1 development is expected to be completed within 10-15 years then the subsequent phases (i.e. Buildout) would then reasonably be expected to begin at the completion of Phase 1, which may be prior to 2035. By stating "full project buildout may take additional time beyond 2035 to develop" the DEIR then omits analyzing the 2035 Plus Project Buildout scenario for intersection analysis.

Even with the statement, "...whereas full project buildout may take additional time beyond 2035 to develop." it is possible that phases 2-4 will begin prior to 2035. It should be noted the DEIR's above listed analysis scenarios include a 2035 Plus Project Buildout scenario, but only for roadway segment analysis. This indicates the Project Buildout will have begun and have impacts in Year 2035. However, the DEIR omits and ignores intersection analysis for the 2035 Plus Project Buildout scenario.

The DEIR's aforementioned statement, "The longer horizon for Project Buildout makes intersection-level forecasting infeasible for several reasons including: (1) a longer-term travel demand model is not available..." is misleading. It is not necessary to use a forecast year beyond the 2035 since the Project Buildout will have begun prior to 2035. The DEIR does not need to use a scenario year after 2035 since it already needs to perform intersection analysis of the Project Buildout condition at 2035. The project phases 2-4 (i.e. buildout) will have begun prior

to 2035 so the intersection impacts of these subsequent phases need to be analyzed in a 2035 scenario.

As a result, the DEIR does not address the Project's Buildout (i.e. Phases 2-4) potential significant impacts to intersections in the 2035 scenario. The DEIR needs to analyze its project impacts to intersections in the 2035 Plus Project scenario to meet CEQA requirements.

SA3-2 cont.

2. The DEIR's traffic study does not include a near term scenario for an "Existing+Approved+Project" condition. By omitting this scenario the traffic study ignores analyzing the near-term impacts of the proposed project in conjunction with other approved projects in the area such as Ellis Specific Plan and Mountain House Community Project.

SA3-3

3. The DEIR transportation section omits analysis of merge and diverge impacts at on/off-ramps. The proposed project will generate additional traffic using the ramps at both I-205 and I-580, but the DEIR does not address the merge/diverge analysis and the project's subsequent impacts of traffic having to merge into or diverge out of the mainline traffic at these ramp locations. As a result, the DEIR neglects to disclose the project's potential significant impacts and subsequent required mitigation to the degraded level of service at the merge/diverge of the freeway ramps with mainline traffic. The DEIR will need to include merge and diverge analysis under all of the analysis scenarios using HCM 2010 methodology.

SA3-4

4. Please refer to page 4.14-112, Mitigation Measure TRANS-1. At Intersection #1 (Mountain House Parkway/I-205 Westbound Ramps) the project proposes to restripe the westbound approach to provide two left-turn lanes and one shared through/right lane and optimize signal timing at I-205 westbound ramps/Mountain House Parkway under Existing Plus Phase 1. The existing two dedicated westbound right-turn lanes were constructed to accommodate the future very heavy right-turn vehicle volume for the Mountain House Community Buildout at 2035. This DEIR proposes taking one of the right-turn lanes and converting it to a left-turn lane to accommodate with development's left-turn traffic. By doing so, it will create future problems with inadequate capacity for the right turning traffic volumes for the Mountain House Community. A Syncho 8 was run by using the provided volumes under Existing Plus Phase 1 (AM) and the forecasted right-turn volume (AM) for Mountain House Community Buildout at 2035 (from project EA 44260K) with the proposal of the above mentioned mitigations. The results show LOS F on westbound I-205 off ramp right-turn lane. This is not a reasonable mitigation.

SA3-5

The above example of this proposed mitigation demonstrates our prior comments and concerns regarding this DEIR with respect to not performing an intersection analysis for the 2035 Plus Project Buildout scenario. Additionally, it also re-emphasizes our comment regarding the need to include other already approved projects in an "Existing+Project+Other Approved Projects" scenario (i.e. Near Term). As a result of omitting these two important issues, the DEIR proposes incorrect and inadequate mitigations.

5. Please refer to Page 4.14-25 Figure 4.14-3, Existing Intersection Lane Geometry and Peak Hour Volumes. A number of these existing volumes shown in the DEIR (i.e. Intersections #6 and #7) are significantly lower than the existing volumes collected by Caltrans in September, 2012 at the I-580/Mountain House Parkway intersections and the existing volumes collected by the Ellis Specific Plan EIR performed by Fehr & Peers. The Ellis Specific Plan EIR collected their traffic counts in 2006.

SA3-6

The following summary tables show the existing AM and PM peak hour volumes used in the Cordes Ranch Specific Plan DEIR are significantly lower than the other documented traffic

volume data. In the following summary tables several of the Cordes DEIR existing volumes are highlighted to show the significantly lower existing volumes this DEIR shows versus the other data. It should be noted that some of the Cordes DEIR existing volumes are less than half of those collected by Caltrans and the Ellis Specific Plan. The substantially lower existing volumes claimed in the Cordes DEIR brings into question if the traffic data collected for this DEIR is representative of the AM and PM peak hour volumes.

Existing AM at Mountain House Pkwy & EB I-580 Ramp

Year	SB Mountain House			NB Mountain House			EB 580 Off Ramp		
	Right	Thru	Left	Right	Thru	Left	Right	Thru	Left
Caltrans	0	499	65	5	21	0	14	1	74
Ellis SP	0	532	71	13	52	0	8	0	64
Cordes	0	**206**	63	12	32	0	11	1	68

Existing PM at Mountain House Pkwy & EB I-580 Ramp

Year	SB Mountain House			NB Mountain House			EB 580 Off Ramp		
	Right	Thru	Left	Right	Thru	Left	Right	Thru	Left
Caltrans	0	30	168	181	249	0	83	4	211
Ellis SP	0	62	116	228	334	0	63	0	213
Cordes	0	21	136	**142**	**187**	0	68	4	218

Existing AM at Mountain House Pkwy & WB I-580 Ramp

Year	SB Mountain House			NB Mountain House			WB 580 Off Ramp		
	Right	Thru	Left	Right	Thru	Left	Right	Thru	Left
Caltrans	291	392	0	0	85	9	198	0	172
Ellis SP	243	464	0	0	101	13	96	0	141
Cordes	**185**	**216**	0	0	85	15	119	0	**53**

Existing PM at Mountain House Pkwy & WB I-580 Ramp

Year	SB Mountain House			NB Mountain House			WB 580 Off Ramp		
	Right	Thru	Left	Right	Thru	Left	Right	Thru	Left
Caltrans	110	198	0	0	453	8	80	0	3
Ellis SP	87	168	0	0	530	15	52	0	12
Cordes	100	**151**	0	0	**397**	8	73	0	6

SA3-6 cont.

Summary:

To summarize, we noted the following items in the Cordes Ranch Specific Plan DEIR:

- Omission of the traffic impacts analysis on intersections at Project Buildout conditions.
- Not considering the analysis of "Existing+Approved+Project" condition to account for adjacent approved/pending developments which will compound traffic impacts in the near-term.

SA3-7

- Missing analysis of merge and diverge impacts at off-ramps, and on-ramps for both I-205 and I-580.
- By not including the above analysis, the project proposes mitigations that are either not appropriate or are inadequate.
- A substantial number of the existing volumes at I-580/Mountain House Parkway intersections are significantly lower than the existing volumes collected by Caltrans, and the Ellis Specific Plan EIR.

SA3-7 cont.

As a result of these omissions, the Cordes Ranch Specific Plan DEIR does not accurately disclose or address Buildout traffic volumes to intersections. The affected areas and the severity of the impacts to transportation facilities would be greater than stated in this traffic study. Therefore, at this time the Department does not concur with the TIS as submitted. Please provide the information and modifications as listed above for further review and comment.

Travel Forecasting

1. Please use the latest version of the Highway Capacity Manual (2010 version) for the DEIR. SA3-8

2. The Existing Conditions Section (pages 4.14-15 to 4.14-21):

   - There is confusion in the definition of the study area. For example, "*Hansen Road between Capital Parks Drive and Lammers Road*", "*Pavilion Parkway between Capital Parks Driver and Hansen Road*". Where are these sections of Hansen Road/Pavilion Parkway Drive on Figure 4.14-2? SA3-9

   - We are confused concerning the study area roadways such as:

     Figure 4.14-2: **See Attached Image 1** - What is the name of the roads identified?
     Figure 4-14-2: **See Attached Image 2** - The road connecting 4, 9, 12 and 18 should be named a totally new name (not "New Schulte Road") and leave the existing Schulte Road as "W. Schulte Road" (not "Old Schulte Road"). This will create less confusion. SA3-10

3. When and by whom was the Tracy Travel Demand Model calibrated/Validated? SA3-11

4. The title of Tables 14.4-7, 4.14-14A, 4.24-14B and 4.14-15, … "*Freeway/Roadway volumes…*" should be "*Freeway/Roadway PkHr Volumes...*". *(PkHr: Peak Hour Volume).* SA3-12

5. Please verify the following and provide the reference documentation to support the statement: "*Alameda County CMP standard for I-580 is LOS E*". (Page 4.14-29). SA3-13

6. Please verify the existing PkHr volume for I-205 before and after Mountain House Parkway Interchange. They are shown lower than the data in the 2011 Average Daily Traffic (ADT) book about 13.7% and 9.5% respectively. SA3-14

7. Figure 4.14-6: Existing + Phase 1 Project Trip Distribution – the total % of trip distribution in all directions is only 95%. Where will the remaining 5% distribute? SA3-15

8. Project phasing is described on page 3-49 – Please describe the type of development included in Phase 2, 3 and 4. SA3-16

Encroachment Permit

If the project construction activities will encroach into Caltrans right-of-way(ROW), the applicant must proceed with an Encroachment Permit application prior to any commencement of work within the State's right-of-way and upon any access (driveway) point onto the State Highway System (SHS). An application for an Encroachment Permit must include appropriate environmental studies and a copy of the environmental document adopted by the Lead Agency. These documents should include an analysis of potential impacts resulting from work performed under the permit, including impacts to the SHS. Potential impacts to any cultural, biological or other resources within the State's ROW, or potential impacts resulting from hazardous waste locations, should be identified and include measures to avoid, minimize, and mitigate those impacts. All work performed with/adjacent to the State's ROW will be subject to Caltrans Highway Design Manual and Standards and Specifications.

SA3-17

System Planning and Goods Movement

The maps representing the area to be developed appear to present land use up to the existing limits of I-205. Dedication of right of way for future freeway widening should be a consideration in the Specific Plan. Conditions in 2035 will require a right of way set aside to accommodate an additional 2 lanes.

SA3-18

If you have any questions, please contact Barbara Hempstead at (209) 948-3909 (e-mail: Barbara_Hempstead@dot.ca.gov) or myself at (209) 941-1921.

Sincerely,

Barbara Hempstead

for TOM DUMAS, CHIEF
OFFICE OF METROPOLITAN PLANNING

Attachments

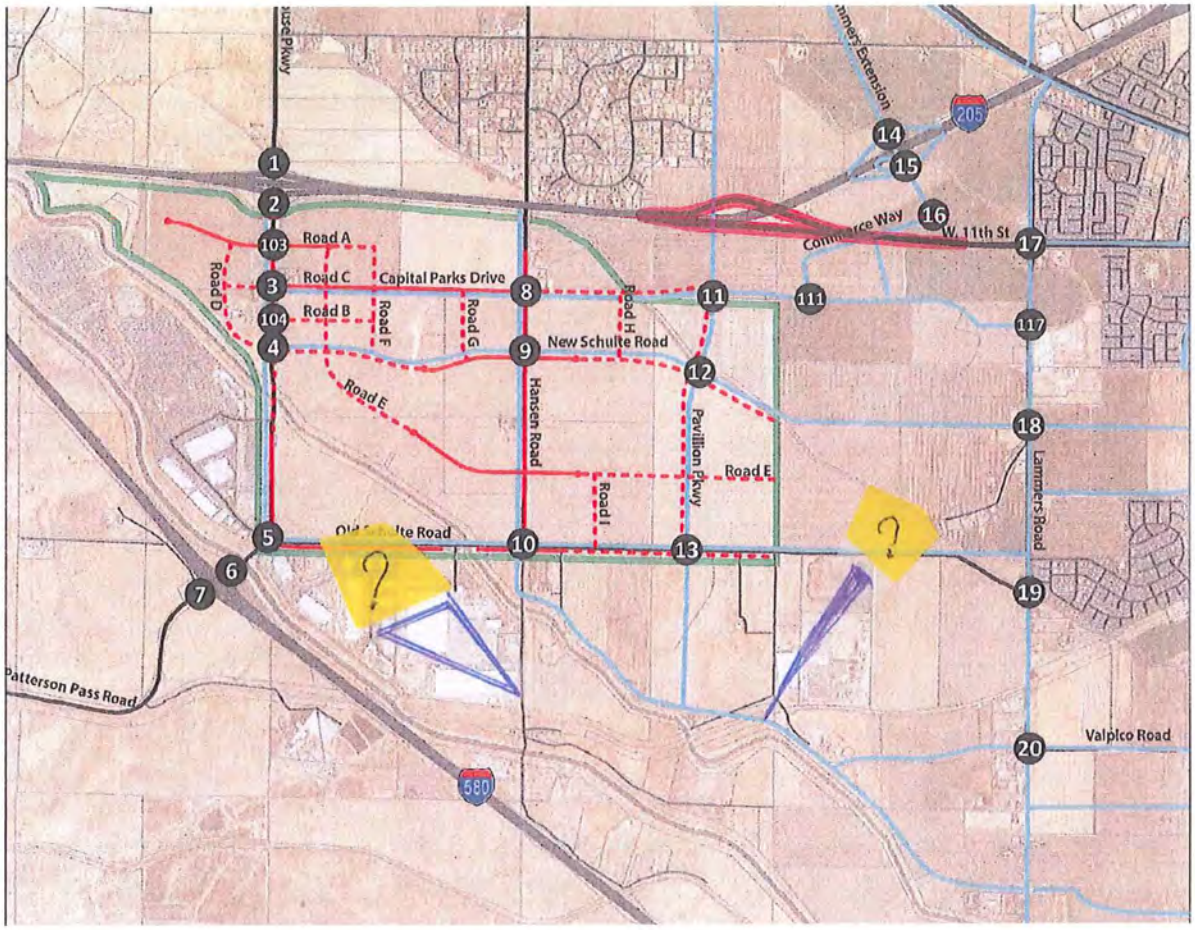


Image 1: What are names of those roads?

SA3-19

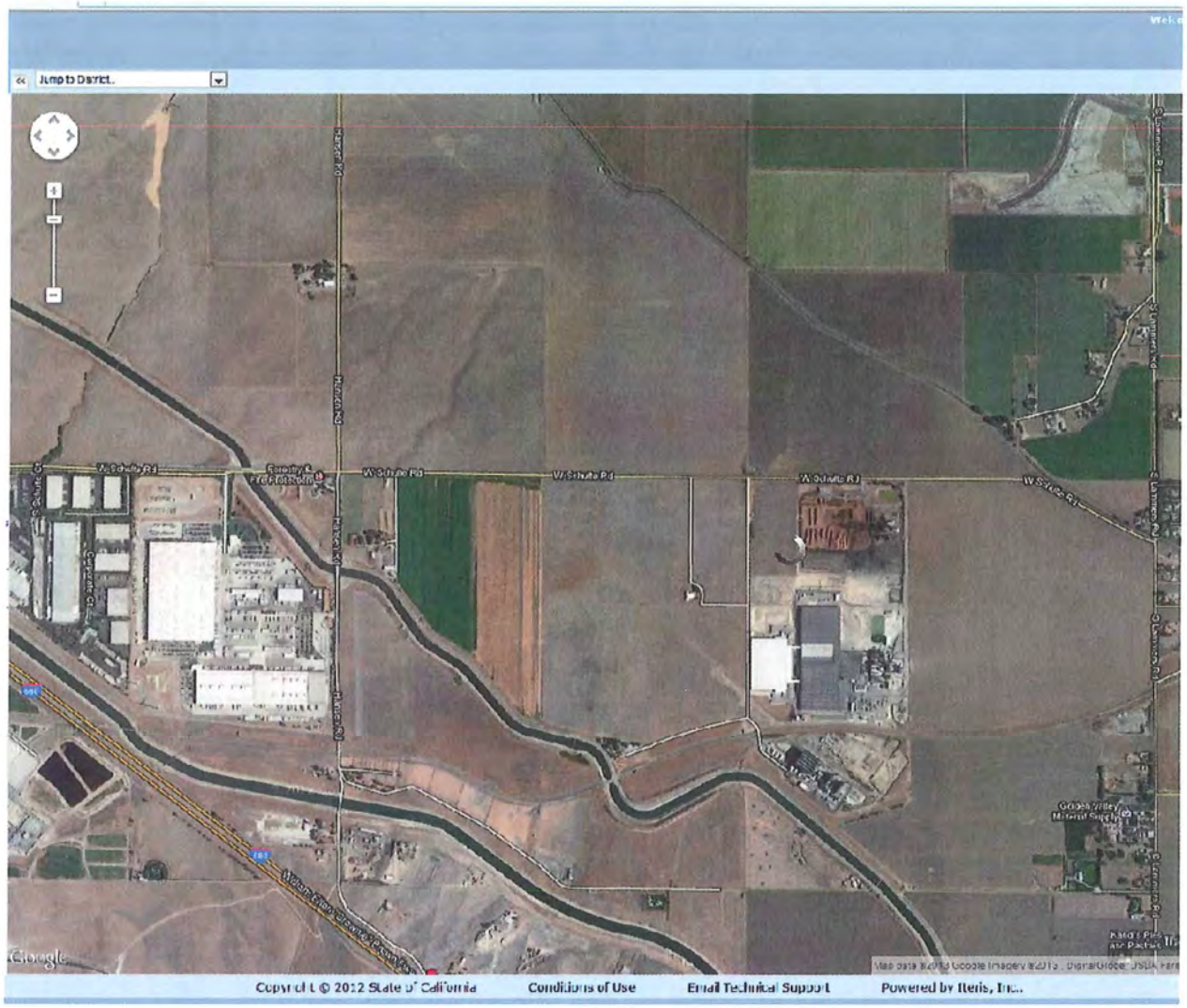


Image 2: Existing road's name.

SA3-20

COMMENT LETTER # RA1

S J C O G, Inc.

555 East Weber Avenue • Stockton, CA 95202 • (209) 235-0600 • FAX (209) 235-0438

San Joaquin County Multi-Species Habitat Conservation & Open Space Plan (SJMSCP)

SJMSCP RESPONSE TO LOCAL JURISDICTION (RTLJ)
ADVISORY AGENCY NOTICE TO SJCOG, Inc.

To: Bill Dean, Assistant Development Services Director, City of Tracy

From: Laurel Boyd, SJCOG, Inc.

Date: April 8, 2013

Local Jurisdiction Project Title: Notice of Availability of the City of Tracy Cordes Ranch Specific Plan Project Draft Environmental Impact Report

Assessor Parcel Number(s): Multiple

Local Jurisdiction Project Number: N/A

Total Acres to be converted from Open Space Use: +/- 1, 780 acres

Habitat Types to be Disturbed: Natural, Agricultural and Urban Habitat Land

Species Impact Findings: Findings to be determined by SJMSCP biologist.

Dear Mr. Dean:

SJCOG, Inc. has reviewed the Notice of Availability of the City of Tracy's Cordes Ranch Specific Plan Project Draft Environmental Impact Report. This project consists of the Cordes Ranch Specific Plan which contains land use, landscaping, circulation, sustainability, and infrastructure-related goals, policies and actions to guide investment and development in the approximately 1,774-acre Plan Area, and sets forth a comprehensive planning and regulatory framework for development of the Plan Area. The Plan proposes a mix of commercial, retail and business park and manufacturing and distribution uses, and an organizing concept for the Plan is the creation of districts of clustered compatible land uses. **RA1-1**

City of Tracy is a signatory to San Joaquin County Multi-Species Habitat Conservation and Open Space Plan (SJMSCP). Participation in the SJMSCP satisfies requirements of both the state and federal endangered species acts, and ensures that the impacts are mitigated below a level of significance in compliance with the California Environmental Quality Act (CEQA). The LOCAL JURISDICTION retains responsibility for ensuring that the appropriate Incidental Take Minimization Measure are properly implemented and monitored and that appropriate fees are paid in compliance with the SJMSCP. Although participation in the SJMSCP is voluntary, Local Jurisdiction/Lead Agencies should be aware that if project applicants choose against participating in the SJMSCP, they will be required to provide alternative mitigation in an amount and kind equal to that provided in the SJMSCP. **RA1-2**

This Project was approved through the minor amendment in March 2004 for eligibility to participate in the SJMSCP. It is recommended that subsequent project applicants contact SJMSCP staff as early as possible. It is also recommended that the project applicant obtain an information package. http://www.sjcog.org **RA1-3**

Please contact SJMSCP staff regarding completing the following steps to satisfy SJMSCP requirements:

- Schedule a SJMSCP Biologist to perform a pre-construction survey ***prior to any ground disturbance***
- SJMSCP Incidental take Minimization Measures and mitigation requirement:

1. Incidental Take Minimization Measures (ITMMs) will be issued to the project and must be signed by the project applicant prior to any ground disturbance but no later than six (6) months from receipt of the ITMMs. If ITMMs are not signed within six months, the applicant must reapply for SJMSCP Coverage. Upon receipt of signed ITMMs from project applicant, SJCOG, Inc. staff will sign the ITMMs. This is the effective date of the ITMMs.
2. Under no circumstance shall ground disturbance occur without compliance and satisfaction of the ITMMs.
3. Upon issuance of fully executed ITMMs and prior to any ground disturbance, the project applicant must:
    a. Post a bond for payment of the applicable SJMSCP fee covering the entirety of the project acreage being covered (the bond should be valid for no longer than a 6 month period); or
    b. Pay the appropriate SJMSCP fee for the entirety of the project acreage being covered; or
    c. Dedicate land in-lieu of fees, either as conservation easements or fee title; or
    d. Purchase approved mitigation bank credits.

RA1-3

4. Within 6 months from the effective date of the ITMMs or issuance of a building permit, whichever occurs first, the project applicant must:
    a. Pay the appropriate SJMSCP for the entirety of the project acreage being covered; or
    b. Dedicate land in-lieu of fees, either as conservation easements or fee title; or
    c. Purchase approved mitigation bank credits.

Failure to satisfy the obligations of the mitigation fee shall subject the bond to be called.

RA1-4

- Receive your Certificate of Payment and release the required permit

It should be noted that if this project has any potential impacts to waters of the United States [pursuant to Section 404 Clean Water Act], it would require the project to seek voluntary coverage through the unmapped process under the SJMSCP which could take up to 90 days. It may be prudent to obtain a preliminary wetlands map from a qualified consultant. If waters of the United States are confirmed on the project site, the Corps and the Regional Water Quality Control Board (RWQCB) would have regulatory authority over those mapped areas [pursuant to Section 404 and 401 of the Clean Water Act respectively] and permits would be required from each of these resource agencies prior to grading the project site.

RA1-5

If you have any questions, please call (209) 235-0600.

SAN JOAQUIN COUNCIL OF GOVERNMENTS

555 E. Weber Avenue • Stockton, California 95202

209.235.0600 • 209.235.0438 (fax)
www.sjcog.org

RECEIVED
MAY 20 2013
CITY OF TRACY
DES

Ken Vogel
CHAIR
Jeff Laugero
VICE CHAIR
Andrew T. Chesley
EXECUTIVE DIRECTOR
Member Agencies
CITIES OF
ESCALON,
LATHROP,
LODI,
MANTECA,
RIPON,
STOCKTON,
TRACY,
AND
THE COUNTY OF
SAN JOAQUIN

May 16, 2013

Mr. Bill Dean
Development and Engineering Services Dept.
City of Tracy
333 Civic Center Plaza, Tracy CA 95376

Re: CMA Review - City of Tracy
Draft Environmental Impact Report (DEIR) for the CORDES RANCH SPECIFIC PLAN

Dear Mr. Dean:

Thank you for the opportunity to comment on the DEIR for the Cordes Ranch Specific Plan project. As the County's designated Regional Transportation Planning Agency (RTPA), the Congestion Management Agency (CMA), and the Metropolitan Planning Organization (MPO), the San Joaquin Council of Governments (SJCOG) has reviewed the above-referenced document with respect to consistency with the Regional Congestion Management Program (RCMP).

RA2-1

SJCOG Comments:

Background for Comments 1 and 2: The DEIR's criteria addressing potential impacts to the Congestion Management Program states:

"The proposed project would have a significant impact with regard to transportation and traffic if it would:

Conflict with an applicable congestion management program, including, but not limited to, LOS standards and travel demand measures, or other standards established by the county congestion management agency for designated roads or highways. For the purposes of this EIR, the following CMP network standards apply:

- *For I-205 and I-580 segments in San Joaquin County, an impact is significant if the Project causes a segment to fall from LOS D to LOS E or F, or if it adds 5 percent to the total future traffic volume on a segment already operating at LOS F;*

RA2-2

- *For the analysis segment of I-580 in Alameda County, an impact is significant if the Project causes the segment to fall from LOS E to LOS F, or if it adds 5 percent to the segment already operating at LOS F without the Project."*

RA2-2 cont.

1. Within the study area, Lammers Road, Eleventh Street, I-205, and I-580 are facilities located on the CMP network. The significance criteria identified only 1-205 and I-580. SJCOG requests the DEIR be corrected to include all four facilities as part of the Program's roadway network and subject to the RCMP LOS standards.

RA2-3

2. Chapter 4-14 Section G (beginning on page 4.14-111) details the impacts and mitigation measures relative to the significance criteria, Section E of 4.14. Although the significance criterion was stated for the Congestion Management Program on page 60, the DEIR neglected to include the impact discussion within Section G. SJCOG requests that Section G the FEIR disclose the impacts to the Congestion Management Program, including transportation network as well as the meeting standards of the Regional Travel Demand Management Plan. If the RCMP significance criteria are exceeded and feasible mitigation is not identified to mitigate the impact to less than significant levels, the impact must be identified as significant and unavoidable.

RA2-4

3. Page 4.14-114 - Impact TRANS-2 states that the I-205 widening project is not included in the RTIF list of projects and therefore there is currently no mechanism for the Project to contribute to the widening project.

4. The I-205 Widening project is on the most recent list of RTIF projects. The table excerpt below is taken from Appendix A, page 1 of the 2011 San Joaquin County RTIF Update. Please update this information within the appropriate sections of the EIR.

RA2-5

ID	Facility Name/Route	Project Description	Project Limits
Mainline Highway Projects			
1	SR-4 Extension	New alignment from Fresno Ave. to Navy Drive	Fresno Avenue to Navy Drive
2	I-5 Widening	Widen and construct HOV lanes in median with auxiliary lanes	Hammer Lane to Eight Mile Road
3	I-5 Widening	Widen and construct HOV lanes in median from Country Club Blvd. To Hammer Lane and restripe existing median lanes to HOV lanes from Charter Way to Country Club Blvd.	Country Club to Hammer Lane
4	I-5 Widening	Widen 6 to 8 lanes (Inside) and construct HOV lanes	French Camp Road to Charter Way
5	I-5 Widening	Widen 6 to 8 lanes (Inside)	SR 120 to French Camp Road
6	SR-12	Widen 2 to 4 lanes (Outside), add turn lanes, from SR-99 to SR-88	SR-99 to SR-88
7	SR-99 Widening	Widen 4 to 6 lanes using inside median w/ interchange modifications & realignment of the SR-4 east approach & connection to SR-99	Arch Road to Crosstown/SR-99 interchange
8	SR-120 Widening	Widen 4 to 6 lanes (Inside)	I-5 to SR-99
9	I-205 Widening / HOV	Widen 6 to 8 lanes (Inside/Outside)	I-580 to I-5

SJCOG's Regional Traffic Impact Fee (RTIF) program establishes a RCMP specific mitigation fee relative to cumulative impacts on the regional circulation system. To satisfy the RTIF requirements, project applicants are required to pay their fair share contribution into the program. However, to better inform the public and stakeholders, the mitigation language must convey that payment into the RTIF program does not guarantee that the fair share contribution be used for the identified mitigating improvement.

If payment into the RTIF program is identified as a mitigation for a CEQA cumulative plus project mitigation on a specific facility, this is asserting that the identified mitigation improvement will be implemented using the fees collected from the project applicant. Payment into the RTIF fund as a means of establishing a CEQA cumulative plus project mitigation does not guarantee that the developer fees collected will be used on the facility that has been significantly impacted should be avoided in environmental documents. Therefore, CEQA mitigation language pertaining to RTIF fee payments should clearly state that payment into the RTIF by the project applicant is a cumulative plus project mitigation measure that does not guarantee the identified mitigation improvement will be implemented as a direct result of this payment.

RA2-5 cont.

5. As discussed within the NOP comment letter from SJCOG dated December 30, 2011, the project is subject to consistency standards set forth within the Regional Travel Demand Management Plan. SJCOG would like to reiterate that Cordes Ranch would benefit from the formation of a Transportation Management Association that would work closely with SJCOG's Commute Connection Program in developing the Employee Trip Reduction Program required by SJVAPCD's Rule 9410.

   As part of the Marketing Strategy of the SJVAPCD Employee Trip Reduction Rule 9410, employers will receive credit for registering with SJCOG's Commute Connection program. Also, Commute Connection is extremely beneficial in assisting smaller employers that do not participate in SJVAPCD's Employee Trip Reduction Program. By registering, an employer will benefit from many of the free resources, promotions and incentives the program offers. For example, Commute Connection will give a stipend of $150 dollars per month to each new vanpool for the first 12 months. This is in addition to the $30.00 per person per month that the SJVAPCD will give for the first 3 years after a vanpool is formed.

RA2-6

6. The DEIR states that the project will show consistency with Tracy's SAP Measures T-13.b and T-17.d to in promoting SJCOG's Commute Connection program and encourage employers to create vanpool or shuttle programs for employees as stated in) through property owner coordination with tenants, as stated in Table 4.7-7

   "Specific Plan Area property owners would coordinate with tenants to promote the San Joaquin County 511 program to organize and promote ridesharing and carpooling between various Cordes Ranch tenants."

RA2-7

The consistency statement in Table 4.7-7 should state to promote SJCOG's Commute Connection Program, not the SJ County 511 program.

RA2-7 cont.

7. The consistency statement in Table 4.7-8, Page 4.7-40 regarding the promotion of "least polluting" ways to connect people and good to their destinations states:

   "The Specific Plan requires implementation of an employee commute trip reduction (CTR) pro-gram to reduce single-passenger vehicle use and encourage use of transit in accordance with Rule 9410, as applicable. In addition, the Specific Plan requires the Master Owner's Association to implement an educational program regarding the San Joaquin Regional Transit District's transit availability."

   SJCOG requests that the consistency statement for SAP Measures T-13.b and T-17.b (see Comment #4) be reworded similarly as written above in Table 4.7-8:

   For example:

   "The Specific Plan requires the Master Owner's Association to implement an educational program regarding the San Joaquin Council of Government's Commute Connection Program."

RA2-8

8. SJCOG commends Cordes Ranch Project for designing the project to facilitate the use of transit, biking, and pedestrian modes of travel. In making revisions to the DEIR, per Comment #2, please include a summary discussion of these project components.

RA2-9

Thank you for the opportunity to review and comment on this project. If you have any questions please call the RCMP's lead planner, Laura Brunn, at (209) 235-0579.

Sincerely,

LAURA BRUNN, PMP
SJCOG Associate Regional Planner

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San Joaquin Valley
AIR POLLUTION CONTROL DISTRICT

HEALTHY AIR LIVING

May 16, 2013

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CITY OF TRACY
D.E.S.

Bill Dean
City of Tracy
Development Services Department
333 Civic Center Plaza
Tracy, CA 95376

Project: DEIR – Cordes Ranch Specific Plan Project
District CEQA Reference No: 20130330

Dear Mr. Dean:

The San Joaquin Valley Unified Air Pollution Control District (District) has reviewed the subject project and offers the following comments: **RA3-1**

1. The Project itself will not have an impact on air quality. However, future development within the area will contribute to the overall decline in air quality due to increased traffic and ongoing operational emissions. New development may require further environmental review and mitigation. The District makes the following recommendations: **RA3-2**

   A. As presented in the Draft Environmental Impact Report (DEIR), after implementation of all feasible mitigation, Impact AQ-1, AQ-2, AQ-3, AQ-4, and AQ-5 would have a significant and unavoidable impact on air quality. However, the environmental document does not discuss the feasibility of implementing a voluntary emission reduction agreement (VERA) for the project and individual development projects that will go through subsequent CEQA review, that may exceed any of the District significant thresholds. As discussed below, the District believes that mitigation through a VERA is feasible in many cases, and recommends the environmental document be revised to include a discussion of the feasibility of implementing a VERA to mitigate project specific impacts to less than significant levels. **RA3-3**

Seyed Sadredin
Executive Director/Air Pollution Control Officer

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www.valleyair.org www.healthyairliving.com

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A VERA is a mitigation measure by which the project proponent provides pound-for-pound mitigation of emissions increases through a process that develops, funds, and implements emission reduction projects, with the District serving a role of administrator of the emissions reduction projects and verifier of the successful mitigation effort. To implement a VERA, the project proponent and the District enter into a contractual agreement in which the project proponent agrees to mitigate project specific emissions by providing funds for the District's Emission Reduction Incentive Program (ERIP). The funds are disbursed by ERIP in the form of grants for projects that achieve emission reductions. Thus, project specific impacts on air quality can be fully mitigated. Types of emission reduction projects that have been funded in the past include electrification of stationary internal combustion engines (such as agricultural irrigation pumps), replacing old heavy-duty trucks with new, cleaner, more efficient heavy-duty trucks, and replacement of old farm tractors.

In implementing a VERA, the District verifies the actual emission reductions that have been achieved as a result of completed grant contracts, monitors the emission reduction projects, and ensures the enforceability of achieved reductions. The initial agreement is generally based on the projected maximum emissions increases as calculated by a District approved air quality impact assessment, and contains the corresponding maximum fiscal obligation. However, because the goal is to mitigate actual emissions, the District has designed flexibility into the VERA such that the final mitigation is based on actual emissions related to the project as determined by actual equipment used, hours of operation, etc., and as calculated by the District. After the project is mitigated, the District certifies to the lead agency that the mitigation is completed, providing the lead agency with an enforceable mitigation measure demonstrating that project specific emissions have been mitigated to less than significant.

RA3-3 cont.

The District has been developing and implementing VERA contracts with project developers to mitigate project specific emissions since 2005. It is the District's experience that implementation of a VERA is a feasible mitigation measure, and effectively achieves the emission reductions required by a lead agency, by mitigating project related impacts on air quality to a net zero level by supplying real and contemporaneous emissions reductions. To assist the Lead Agency and project proponent in ensuring that the environmental document is compliant with CEQA, the District recommends the environmental document be amended to include an assessment of the feasibility of implementing a VERA.

Additional information on implementing a VERA can be obtained by contacting District CEQA staff at (559) 230-6000.

B. Construction Emissions – The EIR concludes that construction emissions will have a significant and Unavoidable impact on air quality. Feasible mitigation of construction exhaust emission includes use of construction equipment powered by engines meeting, at a minimum, Tier II emission standards, as set forth in §2423 of Title 13 of the California Code of Regulations, and Part 89 of Title 40 Code of Federal Regulations. The District recommends incorporating, as a condition of project approval, a requirement that off-road construction equipment used on site achieve fleet average emissions equal to or less than the Tier II emissions standard of 4.8 NOx g/hp-hr. This can be achieved through any combination of uncontrolled engines and engines complying with Tier II and above engine standards. **RA3-4**

C. Individual development projects would be subject to District Rule 9510 (Indirect Source Review) if upon full build-out the project would include or exceed any one of the following:

- 50 dwelling units
- 2,000 square feet of commercial space;
- 25,000 square feet of light industrial space;
- 100,000 square feet of heavy industrial space;
- 20,000 square feet of medical office space;
- 39,000 square feet of general office space; or
- 9,000 square feet of educational space; or
- 10,000 square feet of government space; or
- 20,000 square feet of recreational space; or
- 9,000 square feet of space not identified above

The District recommends that demonstration of compliance with District Rule 9510, before issuance of the first building permit for each project phase including payment of all applicable fees, be made a condition of project approval. Information about how to comply with District Rule 9510 can be found online at: http://www.valleyair.org/ISR/ISRHome.htm. **RA3-5**

D. Individual development projects may also be subject to the following District rules: Regulation VIII, (Fugitive PM10 Prohibitions), Rule 4102 (Nuisance), Rule 4601 (Architectural Coatings), and Rule 4641 (Cutback, Slow Cure, and Emulsified Asphalt, Paving and Maintenance Operations). In the event an existing building will be renovated, partially demolished or removed, the project may be subject to District Rule 4002 (National Emission Standards for Hazardous Air Pollutants). **RA3-6**

E. The above list of rules is neither exhaustive nor exclusive. To identify other District rules or regulations that apply to this project or to obtain information about District permit requirements, the applicant is strongly encouraged to contact the District's Small Business Assistance Office at (559) 230-5888. Current District rules can be found online at: www.valleyair.org/rules/1ruleslist.htm. **RA3-7**

2. The following comments relate to Health Risk Assessment (HRA): **RA3-8**

   A. Standard modeling procedures as outlined in guidance from the District were not followed. Specific instances where the modeling analysis in the DEIR does not conform to standard District modeling practices include the following: **RA3-9**

      1) The project was modeled as flat terrain. The site is located on the eastern slope of the Altamont Pass. There is an increase of about 30 m in elevation from the northeast corner of the site to its southwestern edge. Thus, the use of flat terrain in this area is not acceptable. **RA3-10**
      2) The elevation of the anemometer used for the surface meteorological data (i.e., 158 m) was not used in the model. **RA3-11**
      3) A flagpole height of 1.8 m was used for all receptors. District guidance is to use a flagpole height of 1.5 m. **RA3-12**
      4) All sources including the roads were modeled as area sources with a release height of 3 m. The initial vertical dimension was not modeled. District guidance calls for modeling roads as a series of volume sources. Recent analyses for haul roads sponsored by the U.S. Environmental Protection Agency (EPA) have shown that an area source with a release height and an initial vertical dimension can simulate modeling roadways with a series of volume sources. EPA recommendations for defining such sources could be followed in lieu of District guidance. **RA3-13**

   B. In the HRA, no predictions were made for the on-site residences for operational emissions after construction is completed. The DEIR assumes that these residences will be gone at that time without providing any method to assure that this is the case. Based on the modeling performed for the construction phases and operations after Phase I is constructed, the cancer risk to on-site residences will be significant. **RA3-14**

   C. Emissions from development within a Traffic Analysis Zone (TAZ) were modeled as a single area source using the entire area of the TAZ. However, much of the area of a TAZ is likely to be covered by structures. Using the entire TAZ serves to dilute the emission and can lead to underestimation of the risk. The District recommends emissions from specific areas within a TAZ where the emissions are likely to occur be modeled. **RA3-15**

   D. The District's significance level of 10 in a million cancer risk is to be compared to the predicted risk of the project. The District defines the project to include only on-site emission sources. Public highways are not included in the District's definition of a project. I-205, Mountain House Parkway, Old Schulte Road, New Schulte Road east of Mountain House Parkway, Capital Parks Drive, Hansen Road, and Pavilion appear to be primarily public highways. Emissions from these public highways should not be included in the analysis. Road A, B, F, E, G, H, and I and New Schulte Road west of Mountain House Parkway appear to be primarily serving the development planned for the Specific Plan Area. These road **RA3-16**

emissions should be included in the analysis. Only Road A and New Schulte Road west of Mountain House Parkway appear to have been modeled in the final buildout scenario. The District recommends roads B, F, E, G, H and I be modeled in the final buildout and omit the public highways identified above.

RA3-16 cont.

E. Current District guidance is to use the worst-case emission rate to predict health risk. Thus, 2035 emission rates should have been used to predict a 70-year cancer risk. In general, emissions at buildout are higher than those during previous phases. A cancer risk for Phase I or other intermediate dates should have been used if they were greater than those at buildout. The HRA in this DEIR appears to use a 70-year period from the commencement of construction in 2014. Thus, the buildout HRA is not a 70-year risk assessment from 2035, the date assumed for buildout. The District is developing guidance to implement the risk assessment guidance adopted by the Office of Environmental Health Hazard Assessment (OEHHA).

RA3-17

F. This Specific Plan will result in the construction of about 27.8 million square feet of warehouse, distribution logistic facilities, manufacturing, assembly, and production facilities, a large number of diesel truck trips will be generated. An Air Ambient Air Quality Analysis (AAQA) should be performed to ensure that national and State ambient air quality standards for all criteria pollutants including nitrogen dioxide will not be violated. Because of the proximity of I-205 to the project, consideration should be given to modeling the impact from 1-205 as a part of the background for this site. Concentration predictions need to be made for receptors surrounding the project that are in ambient air and not just residential or worker sites. The District recommends performing an AAQA and include I-205 as a part of the background concentration.

RA3-18

The differences between the methodology for modeling and risk assessment used in this DEIR and that in District guidance, it is impossible to determine from the DEIR if the risk from this project will exceed the District's significance level of a 10 in a million cancer risk.

As the area is developed, more detailed analyses should be performed of roadways and TAZs near residential areas. It is unlikely that the cancer risk at on-site receptors will be below 10 in a million. Therefore, it would be very advantageous to this effort if the impact at on-site residential receptors can be mitigated. The District recommends the mitigation plan be revised for completing more detailed HRAs and AAQAs as development proceeds and for mitigating the risk at on-site residential receptors.

RA3-19

3. The District is currently designated as extreme nonattainment for the 8-hour ozone standard, attainment for PM10 and CO, and nonattainment for PM2.5 for the federal air quality standards. At the state level, the District is designated as nonattainment for the 8-hour ozone, PM10, and PM2.5 air quality standards. For more information on the District's attainment status can be found online by visiting the District's

RA3-20

website at: http://valleyair.org/aqinfo/attainment.htm. The District offers the following comments: RA3-20 cont.

A. In Chapter 4.3 (Air Quality), please include a footnote at the end of Table 4.3-1 for the Federal 1-hour ozone standard that states a standard of 0.124 ppm was established in 1979 and revoked in 2005. RA3-21

B. Similar to the previous comment, please include a footnote at the end of Table 4.3-1 for the Federal Annual PM10 standard that states a standard of 50 $\mu g/m^3$ was established in 1987 and revoked in 2006. RA3-22

C. Table 4.3.2 in Chapter 4.3 states that there is no Federal standard for sulfates and lead; however, there is a Federal standard for lead and the District is classified as "attainment" for the standard. Please update the table accordingly. RA3-23

D. Page 4.3-19 states that the District's *2012 PM2.5 Plan* estimates that the Valley will reach attainment of the PM2.5 standard by 2014. However, the *2012 PM2.5 Plan* indicates that we are expected to reach attainment by 2019. Please update this sentence accordingly. RA3-24

E. Chapter 4.3 concludes that the Project is inconsistent with the District's State Implementation Plan (SIP). It is not clear if this conclusion properly reflects the project's impact to the SIP. Future development projects are not inherently inconsistent with the District's attainment plans. Future growth in population and vehicle miles traveled (VMT) are factored into all attainment plans based on data from the California Department of Finance and/or the Valley's eight county Metropolitan Planning Organizations (MPO). In Appendix B (Emissions Inventory) of the District's *2012 PM2.5 Plan*, MPO data accounts for an 18% population increase in San Joaquin County from 2010 to 2020.

Plan consistency and conformity are related but separate issues. Each county MPO is responsible for showing that their transportation plans and transportation projects are within EPA-approved transportation conformity budgets, based on the latest planning data and assumptions. If the Cordes Ranch Project will change total VMT in Tracy, this should be documented, and the City of Tracy must commit to share this data with the San Joaquin COG, to ensure transportation conformity requirements are satisfied. RA3-25

The District is willing to provide the City of Tracy with more information on evaluating the consistency of project impacts with air quality Attainment Demonstration Plans, as necessary.

4. The Specific Plan is the blueprint for future growth and provides guidance for the community's development. The District is currently designated as extreme non-attainment of the federal national ambient air quality standard for ozone and non-attainment for PM2.5. Given the size of the project, it is reasonable to conclude that mobile source emissions resulting from growth and development would have significant impacts on air quality. To reduce the project related impacts on air quality the Specific Plan should include design standards that reduce vehicle miles traveled (VMT). VMT can be reduced through encouragement of mixed-use development, walkable communities, etc. Recommended design elements can be found on the District's website at http://www.valleyair.org/ISR/ISROnSite Measures.htm. **RA3-26**

5. Referral documents for new development projects should include a project summary detailing, at a minimum, the land use designation, project size, and proximity to sensitive receptors and existing emission sources. **RA3-27**

If you have any questions or require further information, please call David McDonough at (559) 230-5920.

Sincerely,

Dave Warner
Director of Permit Services

Arnaud Marjollet
Permit Services Manager

DW:dm

COMMENT LETTER # RA4

ALAMEDA COUNTY COMMUNITY DEVELOPMENT AGENCY
PLANNING DEPARTMENT

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May 20, 2013

Bill Dean, Assistant Development Director
City of Tracy
333 Civic Center Plaza
Tracy, CA 95376

SUBJ: CORDES RANCH SPECIFIC PLAN DEIR

Dear Mr. Dean,

Thank you for the opportunity to provide comments on the Cordes Ranch Specific Plan Draft EIR. We have reviewed this document and offer the following comments for your consideration as this project moves forward. **RA4-1**

Traffic Analysis

The project is for the development of approximately 1, 780 acres of land with commercial, office, Business Park industrial, and park and recreational uses at full build-out in 2035. An application has been submitted to the City of Tracy for the completion of Phase 1, which includes approximately 1, 200 acres. **RA4-2**

We note that the analysis of potential transportation impacts at Phase 1 completion and Project Buildout did not include the following intersections and roadways in Alameda County that are adjacent to the Project Area:

Intersections

- W. Grant Line Road and Mountain House Road
- I-580 and W. Grant Line Road
- Altamont Pass Road and Grant Line Road

Roadways adjacent to Project Area

- Patterson Pass Road
- Mountain House Road
- Byron-Bethany Road

RA4-3

The omission of these roadway segments and intersections does not provide enough information to adequately assess the potential impacts to the Alameda County Roadways that will be used to access the Project Area. Therefore, Alameda County requests the above- identified roadways be included in an analysis of the probable traffic impacts expected within Alameda County.

Please contact me at 510-670-6511 if you have any questions regarding this letter.

Very truly yours;

Cindy Horvath, Senior Transportation Planner

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COMMUNITY SERVICES DISTRICT
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CORDES RANCH SPECIFIC PLAN PROJECT
DRAFT ENVIRONMENTAL IMPACT REPORT

Mountain House Community Services District's (MHCSD)
Official Comments on the DEIR

May 17, 2013

Mr. Bill Dean
Assistant Development Services Director
City of Tracy
333 Civic Center Plaza,
Tracy, CA 95376

Subject: **CORDES RANCH SPECIFIC PLAN PROJECT**
DRAFT ENVIRONMENTAL IMPACT REPORT

Dear Mr. Dean:

Thank you for the opportunity to review the Draft Environmental Impact Report (DEIR) referenced above. This correspondence serves as the Mountain House Community Services District's (MHCSD) official comments on the DEIR.

LA1-1

If you have any questions regarding the enclosed statements, please do not hesitate to call me at 209-831-5666. I look forward to working with you and your staff or consultant to fully address the concerns that we have with the subject DEIR.

Respectfully Submitted,

Morgan K. Groover, P.E.
MHCSD Development Director

May, 17, 2013

Mr. Bill Dean
Assistant Development Services Director
City of Tracy
333 Civic Center Plaza, Tracy, CA 95376

Subject: **CORDES RANCH SPECIFIC PLAN PROJECT**
DRAFT ENVIRONMENTAL IMPACT REPORT

Dear Mr. Dean:

Thank you for the opportunity to review the Draft Environmental Impact Report (DEIR) referenced above. This correspondence serves as the Mountain House Community Services District's (MHCSD) official comments on the DEIR.

As you know, the MHCSD is a Master Planned Community approved by the San Joaquin County Board of Supervisors in 1994. The project to form a new town began implementation in September, 2000 as a model for future smart planning in the County. Currently, the residential portion of the Mountain House Master Plan is approximately 30% complete. Build-out is anticipated within the next 25 years, which will correspond with the build-out of the subject Cordes Ranch project.

The MHCSD has a vested interest in other projects that are planned for development within the County that may have any negative impacts on the timely completion of the Mountain House Master Plan (MH MP). It is our desire to ensure that other projects are planned, analyzed and implemented in a manner that takes into consideration the MH MP goals, standards and mitigations.

LA1-2

Because the subject DEIR must analyze impacts not only to the City of Tracy and the County, but also to neighboring communities, it cannot do so without recognizing the impacts in relation to the MH MP, plus the project, rather than the Existing, plus the project. As discussed below, especially with respect to traffic impacts, consideration must be given to mitigations already provided by the MHCSD for the entire build-out of our community. Comparing only to the Existing situation is ignoring the real impacts and thus ignoring the proper mitigations.

We have reviewed the DEIR and have the following comments at this time. As the project progresses, we intend to emphasize the potential impacts on the MH MP and hold the subject project accountable through the EIR process. Anything short of mitigating all potential impacts would drive the MHCSD to oppose LAFCO's annexation of the subject project to the City of Tracy, on the basis that it may undermine previous County planning goals and implementation measures.

LA1-2 cont.

General Comments:

There are several significant flaws in the DEIR analysis and in most cases there is no mitigation for the impacts to the MHCSD.

LA1-3

Specific Comments:

TRAFFIC

I-205/MH Pkwy Interchange

The DEIR properly states that the interchange at Mountain House Parkway provides direct access to the Project site. The mitigation analysis, however, is flawed when determining the impact on that interchange, except that it correctly states:

"However, two intersections are projected to operate below the applicable LOS standard: Intersection #1 (I-205 Westbound Ramps/Mountain House Parkway) and intersection #18 (New Schulte Road/Lammers Road)."

The only mitigation measures at the "Intersection #1", however, are to restripe the ramps.

LA1-4

The MHCSD objects to the following statements with regard to the projected traffic generation between the study for the MHCSD and the traffic analysis by the subject project, and the conclusion "no mitigation" is inadequate, irresponsible, and unacceptable.

"In the case of intersection #1, I-205 Westbound Ramps/Mountain House Parkway, the poor PM peak hour service level is projected to occur with or without the Project, and is primarily related to a very large projected increase in the right turn volume from the westbound off-ramp to northbound Mountain House Parkway. This increase is related primarily to the anticipated completion of the development of the Mountain House community in the 2035 Tracy Travel Demand Model. The projected increase for this movement (1,600 trips) is over three times the Phase 1 Project's PM peak hour volume contribution to the intersection (510 total trips). The very high right turn volume renders it one of the "critical movements" for the intersection, thereby controlling the intersection delay and service level. It is noted that this high right turn volume was not forecast in the traffic study performed in 2002 for the I-205/Mountain House Parkway interchange project. That study was performed in 2002 with a different travel demand model and different regional land use and roadway network assumptions. In more recent studies performed by the City for the General Plan Update EIR and the Roadway and Transportation Master Plan environmental review, operations of the Mountain House Parkway interchange intersections were not assessed. Because this cumulative impact is created by a turn movement volume – the westbound right turn – to which the Project contributes no traffic, the Project has no feasible way to meaningfully mitigate this impact. The City will monitor traffic conditions at this intersection as part of its ongoing roadway maintenance programs, and, if actual volume increases over time indicate the need to plan for capacity improvements, the City will work with Caltrans and San Joaquin County to develop and implement improvements."

LA1-4 cont.

The implied right turn movements are not the critical movements at the intersection. The left turns are the meaningful turns for delay at the signal, the amount of trucks turning left, and the amount of trucks traveling on the overcrossing bridge. The MHCSD would like to see proof that the right turn movements are significantly higher than the model used for the MHCSD traffic. Eighty percent of the employed residents in MH work west of the Altamont and there is no indication that that will change during build-out. Monitoring the traffic over the life of the project, will be too late to mitigate the impacts. Why would the City of Tracy not place that burden on the developer?

The MHCSD improved the interchange to full build-out of the MHCSD, as accepted by Caltrans. The traffic model used by TJKM at the time was also the model being used by the San Joaquin Council of Governments at the time. For the City of Tracy to imply that their traffic model is correct and the one used for the development of the existing I-205/MH Pkwy interchange is incorrect is not only

wrong, but irresponsible and does not satisfy the CEQA requirement of impact mitigation.

During the design of the current I-205 interchange ramps, the determination was made by Caltrans that for any new project that generates significant increases in traffic, a loop ramp would have to be constructed in the NE quadrant of the interchange. Therefore, a left turn at the existing westbound ramp west of MH Pkwy will not be acceptable for the north to west movement from the subject project, according to the traffic analysis accepted by Caltrans during the design of the current configuration.

In fact, the MHCSD was required to lengthen the overcrossing toward the north to accommodate the potential of a loop ramp in the NE quadrant. At the time, there was also discussion of a truck climbing lane that would require a similar widening on I-205that would also cause the bridge to be lengthened. If Caltrans goes forward with that project, the DEIR must accommodate any changes to the bridge length to accommodate both the loop ramp and the truck climbing lane.

We suggest that the two responsible traffic engineers should sort out the differences on the studies within the same interchange. As it stands, the DEIR is flawed and the MHCSD will oppose any encroachment permit to mitigate the impacts by striping alone.

LA1-4 cont.

Since the two projects would be building out over the same time period (the next 20 years, or so), the proposed project should mitigate any additional impacts at the interchange. Such mitigation should not be placed on a previously approved project that has already mitigated its build-out impacts, as it should not be placed on the City of Tracy. The MHCSD widened the diamond ramps, added a loop ramp in the SW quadrant, and build an additional bridge across I-205, all as mitigation for the impacts for the build-out conditions of the MH MP.

Andy additional traffic not previously considered in the MH MP mitigation, should be compared to the impact beyond the MH MP build-out, and not just compared to the existing traffic situation.

If the City of Tracy feels that its traffic mitigation fees will cover the proposed project's mitigation, that can be its choice, but a portion of the money should be

provided to the MHCSD or the County to mitigate impacts in their respective jurisdictions. The MHCSD has no ability to charge development fees; only the County and cities have that authority, and the MHCSD has already mitigated their impacts.

LA1-4 cont.

Mountain House Parkway

The provided description of Mountain House Parkway is only correct for the existing scenario and not for the build-out of the MHCSD.

"Mountain House Parkway is a north-south arterial running from Byron Road in Mountain House to I-580, where it becomes Patterson Pass Road. North of I-205, Mountain House Parkway is a median-separated four-lane roadway with a posted speed limit of 45 mph, where it serves primarily residential and agricultural uses."

LA1-5

When the MH MP is built out, there will be no agricultural uses and there will be commercial and industrial uses that will provide a housing to jobs ratio of one (1). To indicate otherwise is to ignore the MH MP completion.

Truck Traffic

"The trip generation in Tables 4.14-11a and 11b includes trips generated by trucks. Because the Project land uses – warehousing, manufacturing and light industrial uses – will generate relatively high truck trips, the intersection analysis assumes the following truck trip percentages, derived from existing counts of trucks as a proportion of total traffic at the industrial area near the I-580/Patterson Pass interchange, as well as from studies of similar industrial sites in Stockton and other San Joaquin Valley locations."

Existing trucks should be counted, not estimated based on other areas or models. The project charts show the truck traffic on MH Pkwy north of I-205 decreasing due to the project. That does not make sense, since MH will be developing commercial and light industrial throughout its build-out, and because the subject project will generate truck traffic from Byron road and the future SR 239 corridor.

LA1-6

This study does not take into account that the quarry trucks coming from the Tracy area that now use MH Pkwy, or the fact that the once existing truck traffic was increased by those trucks during the construction of MH Pkwy through the MHCSD, causing the pavement thickness to be increased at the expense of the MHCSD County-imposed development fees. Even so, that section of highway is

cracking at an early age, due to increase in truck traffic. Any additional truck traffic from the subject project will be detrimental to the MHCSD arterials (MH Pkwy, Grant Line Road, and Byron Road).

LA1-6 cont.

Bridge Maintenance

The main concern here, however, is that the Bridge over I-205, mitigated by the MHCSD, will experience an increase in truck traffic due to the subject project. Traffic counts for Phase 1 alone increase traffic across the bridge more than 1000 ADT.

The MHCSD has an existing agreement with Caltrans to share the Interchange Maintenance & Lighting Costs on the MH Pkwy I-205 Bridge. Any additional traffic, especially truck traffic, will exacerbate the need for maintenance. The agreement covers the wearing surface and the parapet and sidewalk areas for wear, deterioration, graffiti and other maintenance items. The traffic signal operation is also prorated between the two public agencies.

LA1-7

The subject project has a direct impact on the maintenance of the bridge and should mitigate the increase of maintenance, including lighting and signalization, and should pay a fair share of the perpetual costs through some financial mechanism.

In summary, the DEIR traffic was analyzed for Existing, plus Project build-out. However, the MH MP will be built out at the same time and the existing ramps and bridge design already account for the impact from MH build-out. Therefore, the impact from the project should be the Build-out of the MH MP, plus the Project Build-out, and not just compared to the existing conditions. If the project's traffic analysis for Phase 1only requires stripping on ramps that are already widened for the MH MP build-out, the traffic counts being used for the build-out scenario obviously will require much greater mitigation. This is not a wait and see situation, or a monitoring program as part of a maintenance program. That does not satisfy the CEQA requirements. And, again, why would the City of Tracy take on that burden through mitigation fees and not place the construction burden directly on the developer. Obviously, since the impacts are inadequately calculated, the mitigation fees will likewise be miscalculated.

LA1-8

Other Traffic and Interchange Considerations

Additionally, consideration should be given to the possibility of new SR 239 aligning with the MH Pkwy route or elsewhere in the vicinity. There may be an anticipated increase in traffic on I-205 or nearby intersections due to that project. LA1-9

Landscaping

Landscaping of the southerly quadrants of the I-205/MH Pkwy interchange should use of MH MP landscaping standards within the Caltrans rights-of-way, in the same manner that the MHCSD is conditioned to do so. The full interchange should represent a similar theme to assure proper aesthetics for each project entry. LA1-10

Standards

MHCSD standards should be used on any traffic and drainage improvements that affect the MHCSD, if they are more stringent than the City of Tracy standards. LA1-11

DRAINAGE

The existing drainage structure from south of I-205 that goes through the MHCSD may be impacted by runoff from the subject project.

"Patterson Run – In the west portion of the Specific Plan Area, west of Mountain House Parkway, a generally well-defined drainage channel/ corridor collecting runoff generated from a large off-site watershed that extends upstream to the southwest enters the Specific Plan Area via an existing culvert underneath the Delta Mendota Canal and extends through and then exits the Specific Plan Area at an existing culvert crossing under Interstate 205. Downstream to the north of Interstate 205, Patterson Run discharges into agricultural properties and downstream storm drainage facilities operated by the Mountain House Community Services District (CSD)." LA1-12

First, the inference that the discharge is into agricultural properties ignores the future build-out of the MHCSD and is misleading that it will not impact a growing population. LA1-13 Second, there has been no discussion with the MHCSD with respect to project drainage into MHCSD facilities. LA1-14

Construction-Related Impacts

"In addition, the Project would construct the following improvements within the Mountain House Watershed: 5. Construct temporary retention basins in conformance with applicable City standards and requirements to store runoff from the Project on an interim basis **until permanent downstream facilities having capacity to convey discharges from the Patterson Run watershed are completed by the Mountain House CSD (emphasis added).**" "Once LA1-15

constructed, the permanent basins would handle all Project runoff, except for a nominal amount (approximately 5 cfs) under certain minor storm conditions; under these circumstances, it is anticipated that this nominal amount would be accommodated by the Mountain House CSD facilities."

LA1-15 cont.

The above statements were included in the DEIR without any communication with the MHCSD. The MHCSD has no obligation whatsoever to accommodate construction or build-out of a new project as stated above.

LA1-16

Regarding the increase in water and the future water quality in the downstream MHCSD facilities, the MHCSD does not believe that the MHCSD has a legal obligation to accept the storm drain runoff into the MHCSD storm systems. In the event that the MHCSD would consider working with the subject project, the MHCSD does not provide any use of utility facilities without first issuing a conditioned Will-serve Letter.

LA1-17

Water Quality

"Substantial Alteration of the Existing Drainage Pattern of the Site or Area, Including Through the Alteration of the Course of a Stream or River, in a Manner Which Would Result in Substantial Erosion or Siltation On- or Off-Site."

Any impacts to the MHCSD administration of its NPDES permit must be mitigated by the subject project.

LA1-18

Operational Impacts

"For the smaller portion of the Specific Plan Area located to the west of Mountain House Parkway, the proposed drainage plan calls for the capture, storage and attenuation of all on-site runoff during storms up to and including a 100-year 24-hour storm for delivery at a metered rate to a 2-cell 10' x 10' CBC serving Patterson Run at Interstate 205. This approach would divert storm runoff from about 75 percent of this portion of the Specific Plan Area which currently drains to a smaller culvert near the Mountain House Parkway interchange at Interstate 205, to the larger culvert provided for Patterson Run. **This would be an alteration of existing drainage patterns, but would also reduce downstream maintenance requirements for the Mountain House CSD (emphasis added).**

However, because development of the Project would convert a primarily undeveloped site to a developed one, this would increase flow rates, frequency, and volumes of runoff by introducing

LA1-19

streets, buildings, parking areas, and other impervious surfaces within the Specific Plan Area, and therefore the impact would be *significant* without mitigation."

Again, there has been no discussion on this plan and the MHCSD is not convinced that an alteration of the drainage patterns would reduce the MHCSD maintenance requirements. Indeed, an alteration of flow may decrease the cleaning velocity in the downstream storm drains that are based on a 100-year flow design. It is unacceptable that the subject project propose any MHCSD accommodations without first discussing the project with the MHCSD.

LA1-19 cont.

"**2. Cumulative Impacts** Projects within the Mountain House watershed would be subject to the payment of fees and other requirements set forth by the Mountain House CSD to mitigate hydrology and water quality impacts."

Once again, there has been no contact with the MHCSD on this matter. Fees may not be the proper mitigation on a long term maintenance matter. The DEIR should require negotiations with the MHCSD prior to the final EIR approval.

LA1-20

AIR QUALITY

The DEIR considers the impact on residential within the City of Tracy, but does not consider the impacts on the MHCSD. An argument against the entire project is indirectly contained in Alternate 3, which makes an argument for the MHCSD to oppose the preferred project.

"**Alternative 3 – Mixed-Use Alternative.** This alternative would replace approximately 150 acres of Business Park Industrial uses along the eastern boundary of the Specific Plan Area with housing. Assuming a residential density of 25 units per acre, this alternative would include approximately 3,838 residential units."

Note that a reason given against this Alternative is:

"The inclusion of housing under this alternative would place a residential population proximate to major sources of toxic air contaminants which may increase the health risk impact."

It should be understood that the reverse is true. The subject project will be placed proximate to the growing community of Mountain House, which will have approximately 44,000 residents at build-out. The impact of air quality should consider the community of Mountain House and not be confined to an argument against an alternate project that would have 3,838 residential units. The MHCSD will have about 15,000 residences at build-out.

LA1-21

The MHCSD residents are acutely aware of the potential of degraded air quality in the vicinity and recently opposed the construction of an energy plant in Alameda County just west of the town.

LA1-21 cont.

UTILITY and SERVICE SYSTEMS

Wastewater

"2. Existing Conditions a. Treatment Facilities. The existing WWTP meets all current discharge requirements imposed by the RWQCB."

The MHCSD does not agree with the above statement, in that the City of Tracy and the MHCSD water reclamation facilities both are conditioned by the RWQCB to reduce the amount of salts that are discharged into Old River. The City of Tracy's facility already dramatically exceeds the RWQCB proposed limitations. The MHCSD does not want to be impacted by any development that discharges directly or indirectly into Old River, because the addition of salts will impact the ability of the MHCSD to maintain their RWQCB discharge approvals.

LA1-22

The subject project should be conditioned to provide pre-treatment for salts into their discharge to the City of Tracy wastewater treatment plant.

SOLID WASTE

"Under Solid Waste: **5. Cumulative Impacts**
This cumulative analysis considers the Project in the context of the City's General Plan, which takes into account the entire incorporated area of Tracy and the SOI, and the Mountain House community."

LA1-23

The MHCSD's only comment here is that all cumulative impacts should have considered the Mountain House Community, and not just the Solid Waste portion.

IMPACTS ON THE TIMELY COMPLETION OF THE MH MP

Housing Demand

LA1-24

The subject project will increase demands on housing (in MH), thus frustrating the timing of Jobs and MP non-residential development in MH. It is not realistic to

think assume that all workers will seek a residence in the City of Tracy. Many will likely reside in MH. Mountain House is conditioned by the County to have a job-housing ration of 'one' as the community builds out. If the ratio is drastically slanted toward residential, the County can halt residential building permits until the MH MP commercial and office/light industrial catch up. If the timing is not right for commercial development, the MH MP could be stalled.

The predominant type of commercial development indicated for the subject project away from the interchanges are 'big box' construction and do not appear to be directly in competition with the MH MP commercial zoning. However, the competition for the job markets will impact the types of housing desired by workers and may have an impact on the MH MP. Housing demand should be analyzed on a more regional basis, similar to the way traffic is analyzed. If the MHCSD was, say, 75% built out, the impact of housing and commercial competition for workers would not be as critical as in the early stages of development.

LA1-24 cont.

Commercial Development

The freeway commercial development in the first phase of the subject project could have a major impact in the timing of the MH MP Freeway Commercial development. Office zoning will also impact the timing of similar zoning in the MHCSD.

LA1-25

Safety and Emergency Response

There should be a condition to require a Water Connection across the I-205 corridor as an emergency backup for both the MHCSD and the City of Tracy. While the City of Tracy does have well water, the increase in surface water availability will decrease over the years, according to the DEIR, due to metals in the well source. The MHCSD does not have an alternate source of emergency water, and would be willing to negotiate terms to extend the proposed 16-inch trunk line that the subject project shows just south of I-205 within MH Pkwy. The short leg of proposed 14-inch extending from the 16-inch could be changed to 16-inch and extended under I-205 to the north, or it could be installed to hang on the overcrossing bridge, both of which would be subject to a Caltrans permit.

LA1-26

FIRE PROTECTION

"5. Cumulative Impacts"

"This cumulative analysis considers the Project in the context of the City's General Plan, which takes into account the entire incorporated area of Tracy and its SOI, as well as the nearby Mountain House community located in unincorporated San Joaquin County. For purposes of this cumulative analysis, the geographic scope is the SCFA service area."

Although the Shute/CFD fire station is located within the subject project area, Tracy Station No.98 (MH No. 1) is located in the MHCSD, a short distance from the proposed project. Since the station in MH is part of the SCFA response team, it will be a backup to major emergency within the subject project, as well as backfilling small emergency responses in the vicinity.

Consideration should be given to provide backup in the MHCSD, if Station No. 98 responds outside of MH. This should be continued at least until the second fire station is constructed in MH. The present MH station is already the first responder for the energy plant west of MH and will be stretched for adequate coverage in the near future.

LA1-27

CONCLUSION

In conclusion, the MHCSD believes that the overall analysis in the DEIR appears to be fairly thorough, yet several key and critical impacts and related analyses appear to be missing or severely inadequate to satisfy CEQA or to comply with the various County-regulated Community Approvals adopted as part of the Mountain House Master Planned project. It is also clear that the project has proceeded to the DEIR stage without consulting with the MHCSD. The new neighbor is the Cordes Ranch project, not the Mountain House project.

The MHCSD believes that, unless the above-stated issues are adequately addressed, the City of Tracy should NOT process these documents further in the CEQA certification or City entitlement approval consideration process, as such processing and consideration will likely violate key components of CEQA and exacerbate the planned growth of Mountain House.

LA1-28

The MHCSD is willing and ready to meet with the City of Tracy and its developer or consultants, as necessary, to participate in the successful remediation of these issues, so that the project can move forward in a manner that satisfies both CEQA and the County-regulated Community Approvals adopted for the Mountain House Master Plan.

LA1-28 cont.

Respectfully Submitted,

Morgan J. Groover,

MHCSD Development Director

Copies to:

MHCSD General Manager

MHCSD Board of Directors

County Board of Supervisors

Caltrans

Tracy PLANNING COMMISSIONERS

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COMMENT LETTER # ORG1

May 20, 2013

Mr. Bill Dean
City of Tracy
Development Services
333 Civic Center Plaza
Tracy, CA 95376
Via electronic mail and U.S. Postal Service

Dear Mr. Dean,

Carpenters Local 152E is pleased to offer these comments to the Draft Environmental Impact Report for the Cordes Ranch Specific Plan Project (herein "Project"). While Carpenters Local 152E is pleased to see the City of Tracy move forward with the Project ("CRP") there are significant concerns that a project of this scale has the potential to dramatically degrade the environment and harm the interest of Carpenters members residing in Tracy and in San Joaquin County.

ORG1-1

Construction Workforce Related Impacts

The DEIR does not analyze and mitigate the impacts of a development program that will require thousands of auto-dependent construction workers who will be needed to build this project over its 30 year buildout or to mitigate those impacts. By failing to analyze and mitigate the physical impacts of its construction workforce's commute patterns over the course of the project's buildout, the Project will not only contribute excess greenhouse gas emissions and other air pollutants into the atmosphere, it will understate future *congestion on regional road networks and potential water quality impacts from more heavily polluted stormwater runoff*

ORG1-2

The DEIR's silence is significant because the construction labor market for projects of the scale of Cordes Ranch are inherently bifurcated into two distinct groups with substantively different characteristics that result in different travel patterns and therefore different environmental impacts.[1] At one end of the market, there exists a high-skill local workforce that relies on an established system of apprenticeship and career development, and earns wages and benefits that place it squarely in the middle class. At the other end is a workforce that travels long

[1] Detailed characteristics of construction labor markets are discussed by Erlich and Grabelsky in *Standing at the Crossroads: the Building Trades in the Twenty First Century* and by Bosch and Philips in *Building Chaos. An international comparison of deregulation in the construction industry.*

distances to job-sites, has little formal training, and whose wage earnings fall below the mean for county residents. Table 1 summarizes the principal characteristics of this bifurcation.

Table 1 Characteristics of a Tiered Construction Labor Market

Characteristic	Tier 1	Tier 2
Home/work geography	Leave county for higher paid work in urban core when local jobs are unavailable.	Travel into county for work opportunities
Wages and benefits	Middle class wages, health care, and retirement benefits.	Low compensation typified by piece work, unpaid overtime, no health or retirement benefits,
Skill development	State certified apprenticeship programs train new workers. Ongoing training for journey-level workers	No formal career development programs leave workers at the whim of their employers.
Safety	Extensive attention to safety characterized by in-house safety programs and lower workers compensation rates	Minimal attention to worker safety characterized by higher workers compensation rates.
Projects typically found to be working on	Large scale infrastructure, large commercial developments, public works.	Production single family and multi-family housing, strip malls, & small scale projects

Unsurprisingly, income data from the American Community Survey bears out this as blue collar construction workers traveling for work to adjacent counties typically earn an 18% premium over their locally working counterparts. Without measures to ensure a steady supply of skilled construction workers, the Project has the potential to strain local labor markets. Unless measure, thereby resulting in significant in-commuting by workers from neighboring counties where construction workers earn even less.

ORG1-2 cont.

As the EIR has indicated, the agency will be issuing findings of overriding consideration because of significant unmitigated impacts. The agency must make "a fully informed and publicly disclosed" decision that "specifically identified expected benefits from the project outweigh the policy of reducing or avoiding significant environmental impacts of the project." (14 Cal.Code Regs. §15043(b)) Key among the findings that the lead agency *must* make is that:

> "Specific economic, legal, social, technological, or other considerations, including ***the provision of employment opportunities for highly trained workers*****,** make infeasible the mitigation measures or alternatives identified in the environmental impact report.. [and that those] benefits of the project outweigh the significant effects on the environment." (Pub. Res. Code §21081(a)(3), (b))

Therefore, the EIR must examine the likelihood that the Project will provide "employment opportunities for highly trained workers." Many projects in Tracy and surrounding communities have been constructed with lower-wage, out-of-area workers. Carpenters Local 152E believes that absent a local-hiring preference, there is little basis for assuming that the project will provide employment opportunities for the region's highly trained workers.

It is vital that the EIR attempt to determine and mitigate the impacts of this construction related travel by adopting policies and establishing programs to encourage the use of a

ORG1-3

workforce that will have a smaller environmental footprint. Feasible mitigation measures include but are not limited to:

1. Ensuring that a blueprint for creation of a Local Apprentice Employment Program is included in any Development Agreement. Such a plan will involve the developers in maximizing the number of local entry-level opportunities for area residents to embark on middle-income construction careers.
2. Establishment of a local First Source Policy to promote the hiring of local journey-level workers on private and public sector construction projects and mandate participation in such programs and specific performance standards in Development Agreements
3. Mandating that related Development Agreements secure the payment of wages and benefits that meet area standards as defined by the CA Department of Industrial Relations
4. Establishment of a scalable Transportation Demand Mitigation Fee linked to the average vehicle miles travelled by the construction workforce.

ORG1-3 cont.

Other Direct Environmental Impacts

Carpenters Local 152E also notes that the EIR contains further deficiencies. These include the destruction of habitat corridors on the site without any off-site mitigation, inadequate mitigation of other significant unmitigated GHG impacts resulting from building operation, and

ORG1-4

General CEQA Standards

CEQA has two primary purposes. First, CEQA is designed to inform decision makers and the public about the potential, significant environmental effects of a project. (14 Cal. Code Regs. ("CEQA Guidelines") § 15002(a)(1).) "Its purpose is to inform the public and its responsible officials of the environmental consequences of their decisions before they are made. Thus, the EIR 'protects not only the environment but also informed self-government.'" (*Citizens of Goleta Valley v. Board of Supervisors* (1990) 52 Cal. 3d 553, 564) The EIR has been described as "an environmental 'alarm bell' whose purpose it is to alert the public and its responsible officials to environmental changes before they have reached ecological points of no return." (*Berkeley Keep Jets Over the Bay v. Bd. of Port Comm'rs*. (2001) 91 Cal. App. 4th 1344, 1354 ("Berkeley Jets"); *County of Inyo v. Yorty* (1973) 32 Cal.App.3d 795, 810)

Second, CEQA requires public agencies to avoid or reduce environmental damage when "feasible" by requiring "environmentally superior" alternatives and mitigation measures. (CEQA Guidelines § 15002(a)(2) and (3); See also, *Berkeley Jets*, 91 Cal. App. 4th 1344, 1354; *Citizens of Goleta Valley v. Board of Supervisors* (1990) 52 Cal.3d 553, 564) The EIR serves to provide agencies and the public with information about the environmental impacts of a proposed project and to "identify ways that environmental damage can be avoided or significantly reduced." (Guidelines §15002(a)(2)) If the project will have a significant effect on the environment, the agency may approve the project only if it finds that it has "eliminated or substantially lessened all significant effects on the environment where feasible" and that any unavoidable significant effects on the environment are "acceptable due to overriding concerns." (Pub. Res. Code § 21081; 14 Cal. Code Regs. § 15092(b)(2)(A) & (B))

ORG1-5

While the courts review an EIR using an "abuse of discretion" standard, "the reviewing court is not to 'uncritically rely on every study or analysis presented by a project proponent in support of its position. A 'clearly inadequate or unsupported study is entitled to no judicial deference.'" (*Berkeley Jets*, 91 Cal. App. 4th 1344, 1355 (emphasis added), quoting, *Laurel Heights Improvement Assn. v. Regents of University of California*, 47 Cal. 3d 376, 391 409, fn. 12 (1988)) As the court stated in *Berkeley Jets*, 91 Cal. App. 4th at 1355:

> A prejudicial abuse of discretion occurs "if the failure to include relevant information precludes informed decision-making and informed public participation, thereby thwarting the statutory goals of the EIR process." (*San Joaquin Raptor/Wildlife Rescue Center v. County of Stanislaus* (1994) 27 Cal. App. 4th 713, 722]; *Galante Vineyards v. Monterey Peninsula Water Management Dist*. (1997) 60 Cal. App. 4th 1109, 1117; *County of Amador v. El Dorado County Water Agency* (1999) 76 Cal. App. 4th 931, 946)

ORG1-5 cont.

An EIR must disclose all potentially significant adverse environmental impacts of a project. (Pub. Res. Code § 21100(b)(1); 14 Cal. Code Regs. § 15126(a); *Berkeley Jets*, 91 Cal. App. 4th 1344, 1354) CEQA requires that an EIR must not only identify the impacts, but must also provide "information about how adverse the impacts will be." (*Santiago County Water Dist. v. County of Orange* (1981) 118 Cal.App.3d 818, 831). The lead agency may deem a particular impact to be insignificant only if it produces rigorous analysis and concrete substantial evidence justifying the finding. (*Kings County Farm Bureau v. City of Hanford* (1990) 221 Cal.App.3d 692).

Indirect Environmental Impacts

The impact of traffic if low-paying jobs attract out-of-area workers while forcing in-area workers to find better paying jobs elsewhere is an "indirect" environmental impact. CEQA requires analysis of both direct and indirect environmental impacts of a project. (Public Resources Code § 21065) For some projects, the vast majority of impacts come from indirect sources such as traffic or urban decay. (See, *Bakersfield Citizens for Local Control v. City of Bakersfield* (2004) 124 Cal. App. 4th 1184) Section 15065 of the CEQA Guidelines mandates an environmental impact report (EIR) to analyze any "…environmental effects of a project [that] will cause substantial adverse effects on human beings, either directly or indirectly." CEQA guidelines section 15126.2, subdivision (a) requires an EIR to discuss "health and safety problems caused by the physical changes" that the proposed project will precipitate.

ORG1-6

CEQA Guidelines Section 15131 states: "Economic or social effects of a project shall not be treated as significant effects on the environment. An EIR may trace a chain of cause and effect from a proposed decision on a project through anticipated economic or social changes resulting from the project to physical changes caused in turn by the economic or social changes. The intermediate economic or social changes need not be analyzed in any detail greater than necessary to trace the chain of cause and effect. The focus of the analysis shall be on the physical changes." Therefore, if economic changes associated with a project result in significant physical environmental effects, they must be analyzed in the EIR.

ORG1-7

In *Bakersfield Citizens for Local Control v. City of Bakersfield* (2004) (124 Cal.App.4th 1184) (*Bakersfield Citizens*), the court expressly held that an EIR must analyze a project's potential to cause urban decay if there is substantial evidence showing that the project may lead to such impacts. The court pointed out that CEQA requires the project proponent to discuss the project's economic and social impacts where "[a]n EIR may trace a chain of cause and effect from a proposed decision on a project through anticipated economic or social changes resulting from the project to physical changes caused in turn by the economic and social changes." (CEQA Guidelines §§ 15131(a) and 15064(f).)

Bakersfield Citizens concerned a proposal to construct two Wal-Mart Stores within 3 miles of each other. Evidence was submitted that the stores could cause urban decay by forcing local downtown stores to close. The court held that this impact must be analyzed in the EIR. Most of the cases cited by the *Bakersfield Citizens* court concerned other retail developments with alleged urban decay impacts. (See, *Citizens Assoc. for Sensible Dev. of Bishop Area v. County of Inyo* (1985) 172 Cal.App.3d 151, 170 171 (shopping mall threatens downtown businesses and urban decay); *Citizens for Quality Growth v. City of Mt. Shasta* (1988) 198 Cal.App.3d 433, 445-446 (shopping mall may cause "business closures" in downtown area); *Friends of Davis v. City of Davis* (2000) 83 Cal.App.4th 1004, 1019 (insufficient evidence that Borders bookstore may threaten local bookstores); see also, *Anderson First Coalition v. City of Anderson* (2005) 30 Cal.Rptr.3d 738 (shopping center); *American Canyon Community United for Responsible Growth v. City of American Canyon* (2006) 145 Cal.App.4th 1062, 1074 (urban decay impacts of supercenter must be analyzed); *Gilroy Citizens for Responsible Planning v. City of Gilroy* (2006) 140 Cal.App.4th 911, 920 (EIR adequately analyzed urban decay impacts of supercenter).)

ORG1-8

The *Bakersfield Citizens* court also cited an industrial and a prison project that were alleged to have blighting impacts. The court noted that in *Christward Ministry v. Superior Court* (1986) (184 Cal. App. 3d 180, 197) (*Christward Ministry*) an agency was required to analyze in the EIR the potential that odors, noise, and traffic from a garbage dump could adversely impact a nearby religious retreat center. The *Bakersfield Citizens* court noted that this was a type of "urban blight" impact. The court also noted that in *City of Pasadena v. State of California* (1993) (14 Cal.App.4th 810) (*City of Pasadena*) the "blighting" impact of a parole office on a nearby residential neighborhood was recognized (however the court held that insufficient evidence had been presented to establish that the parole office may have an urban blight impact).

ORG1-9

Finally, the *Bakersfield Citizens* court recognized that cumulative blight impacts must be considered. In other words, it is necessary to analyze the blight impacts of the proposed project together with other past, present and future projects in the area. (124 Cal.App.4th at 1193)

ORG1-10

In addition to urban decay, the courts have held that other indirect project impacts must be analyzed in the EIR, such as traffic impacts, jobs/housing balance, and growth-inducing impacts. (K*ings County Farm Bureau v. City of Hanford* (1990) 221 Cal.App.3d 691, 711; CEQA Guidelines § 15126.2(d)) The indirect environmental impacts related to long commute times that may be

ORG1-11

caused by inadequate wages for in-area workers are no different, and must be analyzed in the EIR.

ORG1-11 cont.

Failure to Proceed in a Manner Required by Law.

The courts have held that where, as here, an EIR fails entirely to analyze an environmental impact, the agency has failed to proceed in a manner required by law. The courts have repeatedly held that an agency abused its discretion by failing to proceed in a manner required by law when it failed to address a potentially significant impact. Additionally, the courts have explicitly stated, "the substantial evidence standard of review is not applied to this type of CEQA challenge." (*Bakersfield Citizens for Local Control v. City of Bakersfield* (2004) 124 Cal.App.4th 1184, 1208.) In *Bakersfield*, the court explained, "although the agency's factual determinations are subject to deferential review, questions of interpretation or application of the requirements of CEQA are matters of law. While we may not substitute our judgment for that of the decision makers, we must ensure strict compliance with the procedures and mandates of the statute." (*Id*.)

In *Bakersfield*, the court found that the City failed to proceed in a manner required by law because the EIR completely fails to contain any statement or analysis why the shopping center will not cause urban decay. (*Id*.) The court found that because "[t]here is a great deal of evidence in the record supporting the validity of concerns," the agency abused its discretion by not addressing the concern at all. (*Id*.)

The courts have applied this standard in numerous other cases. For example, In *El Dorado Union High Sch. Dist. v. City of Placerville* (1983) 144 Cal.App.3d 123, 132, the court invalidated an EIR that evaluated a subdivision map for a proposed residential development because the EIR contained no discussion of impacts on the school district. A one-sentence discussion of cumulative impacts was found to be inadequate in *Whitman v. Board of Supervisors* (1979) 88 Cal.App.3d 397, 409.)

ORG1-12

When the EIR fails entirely to analyze an environmental impact, then the lead agency has abused its discretion and failed to proceed in a manner required by law because the EIR fails as an informational document. (See e.g. K*ings County Farm Bureau v. City of Hanford* (1990) 221 Cal.App.3d 691, 711; *San Joaquin Raptor/Wildlife Rescue Ctr. v. County of Stanislaus* (1994) 27 Cal.App.4th 713; *Laurel Heights*, 47 Cal.3d at 392.) An adequate EIR must be "prepared with a sufficient degree of analysis to provide decision makers with information which enables them to make a decision which intelligently takes account of environmental consequences." (Guidelines, § 15151; *Kings County*, 221 Cal.App.3d at 712.) An EIR "must include detail sufficient to enable those who did not participate in its preparation to understand and to consider meaningfully the issues raised by the proposed project." (*Kings County* at 712; *Laurel Heights Improvement Assn. v. Regents of University of California*, 47 Cal.3d at 405.)

Since the EIR fails to analyze the impacts discussed in this letter, it fails as an informational document. In *Bakersfield*, for example, the court found prejudice because without a proper urban decay and cumulative impact analyses, "meaningful assessment of the true scope of

numerous potentially serious adverse environmental effects was thwarted." (*Id*. at 1220-1221.) In *Sierra Club v. State Bd. of Forestry* (1994) 7 Cal.4th 1215 (applied to CEQA by *Association of Irritated Residents* (2003) 107 Cal.App.4th 1391-92.), the Supreme Court found that the omission of information about four old-growth dependent species on the project site from a timber harvest plan (the functional equivalent of an EIR frustrated the purpose of the public comment provisions of the Forest Practice Act and made meaningful identification and assessment of the potentially significant environmental impacts of the harvest plan impossible. It declared that the board had not "proceed[ed] as required by law" (*id*. at p. 1236) and that "[i]n these circumstances prejudice is presumed." (*Id*. at p. 1237.)

ORG1-12 cont.

A revised analysis should be prepared to analyze the impacts discussed in this letter, and to propose feasible mitigation measures and alternatives to reduce or eliminate these impacts.

ORG1-13

In conclusion Carpenters Local 152E appreciates the opportunity to comment on this project and your consideration of the strategies that have been identified to help the Project. If there are any questions about Carpenters Local 152's Comments, please contact Alex Lantsberg by email at alantsberg@nccrc.org or by telephone at (510) 430-9706 x109.

Sincerely,



Alex Lantsberg, AICP
Research Analyst

COMMENT LETTER # ORG2

CONESTOGA-ROVERS & ASSOCIATES

5900 Hollis Street, Suite A, Emeryville, California 94608
Telephone: (510) 420-0700 Fax: (510) 420-9170
www.CRAworld.com

May 20, 2013 Reference No. 060223

Mr. Bill Dean
Assistant Development Services Director
City of Tracy
333 Civic Center Plaza
Tracy, California 95376

Sent via email

Dear Mr. Dean:

Re: Draft Environmental Impact Report Commentary
City of Tracy Cordes Ranch Specific Plan Project

Conestoga-Rovers and Associates (CRA) submits the following commentary on the Draft Environmental Impact Report (DEIR) for the City of Tracy Cordes Ranch Specific Plan Project, which was made available for public review on April 5, 2013. For simplicity, DEIR excerpts are provided below in *italics* followed by our respective comments. The excerpts are preceded by their location(s), shown in **bold**, in the DEIR. **ORG2-1**

Section 2.0, Page 2-22, Table 2.1, HAZ-2a – *A Soil Management Plan and companion Sampling and Analysis Plan, as well as a Health and Safety Plan (HASP) shall be prepared and implemented during and following any soil excavation and compaction associated with implementation of the Project where such activities may encounter residual soil, soil vapor, and groundwater contamination risk-based level established by the RWQCB or Cal-EPA.*

Comment #1 - CRA and Shell conferred with the RWQCB on establishing Risk Based Concentrations (RBCs) for Constituents of Potential Concern (COPCs) where exposure pathways are considered potentially complete. The calculated RBCs can be incorporated into the required Soil Management Plan in support of project implementation and the City of Tracy's Sustainability Action Plan. **ORG2-2**

Section 2.0, Page 2-23, Table 2.1, HAZ-2b – *A plan shall be developed for installation a vapor barrier and venting system beneath buildings to be constructed at the site in those areas where residual petroleum hydrocarbons in soil vapor exceed risk-based levels established by the RWQCB or Cal-EPA.*

Comment #2 - CRA and Shell conferred with the RWQCB on establishing RBCs for COPCs where exposure pathways are considered potentially complete. Vapor barriers and venting systems should be justified by a complete exposure pathway as defined in Section 4.8, Pages 4.8-9 and 4.8.10. Proposed building use, occupancy, ventilation rates, and other site-specific **ORG2-3**

Equal
Employment Opportunity
Employer

vapor intrusion/inhalation input parameters must be included in determining the necessity of vapor barriers and venting systems. **ORG2-3 cont.**

Section 3.0, Page 3-8, Bullet #5 - *Two 8-inch Shell oil lines within an easement of unspecified width (Abandoned and partially removed).*

Comment #3 – According to the historical records that have been reviewed, an 8-inch diameter pipeline and a 10-inch diameter pipeline were originally installed within the easement. These two former Shell pipelines were abandoned in the late 1960's or early 1970's. Portions of the pipelines were removed at or around the time the lines were abandoned; other portions were abandoned in place. One abandoned segment on the site was removed in or about 2001. Other portions may remain in place. **ORG2-4**

Section 4.8, Page 4.8-12, Bullet #1 - *This site is the location of a crude oil release from a former pipeline, which release was subject to a subsequent investigation and on-going cleanup.*

Comment #4 - Shell's investigation and clean-up efforts to date have been voluntary and pro-active, working in concert with the RWQCB, property owners, and the past and current developers. **ORG2-5**

Section 4.8, Page 4.8-12, Bullet #1 - *In 2001 Shell abandoned the pipelines and removed portions of the pipelines in advance of anticipated development. The pipelines were buried at a depth of approximately 4 feet below ground surface (bgs).*

Comment #5 - The pipelines were not abandoned in 2001. Based on the available historical records, the two former Shell pipelines were abandoned in the late 1960's or early 1970's. Portions of the pipelines were removed at or around the time the lines were abandoned; other portions were abandoned in place. One abandoned segment on the site was removed in or about 2001. Other portions may remain in place. The former pipelines have been located at approximately 4 feet below ground surface in some locations, but have been located at shallower and deeper depths in other locations. **ORG2-6**

Section 4.8, Page 4.8-14 - *Given that the pipelines were located 4 feet bgs, and over-excavation was performed to a minimum depth of 4 feet bgs, a release from the pipelines would not be expected to impact soils above 4 feet bgs, which is generally confirmed by the soil data. The soil impact, which exists variably in the area, extends to first encountered groundwater, which occurs between 30 and 35 feet bgs.* **ORG2-7**

Comment #6 - The former pipelines have been located at approximately 4 feet below ground surface in some locations, but have been located at shallower and deeper depths in other locations. Soil impact only extends to first encountered groundwater at a few locations.

ORG2-7 cont.

Section 4.8, Page 4.8-15 - *The latest site investigation report on GeoTracker indicates a complete Conceptual Site Model (CSM) and human health risk assessment (HRA) is being prepared for the site by Shell's consultant.*

Comment #7 - This report was submitted to the RWQCB and appropriate stakeholders on May 13, 2013.

ORG2-8

Section 4.8, Page 4.8-40) – *Mitigation Measure HAZ-2a: A Soil Management Plan and companion Sampling and Analysis Plan, as well as a Health and Safety Plan (HASP), shall be prepared and implemented during and following any soil excavation and compaction associated with implementation of the Project where such activities may encounter residual soil, soil vapor, or groundwater contamination that exceeds risk-based levels established by the RWQCB or Cal-EPA.*

Comment #8 - CRA and Shell conferred with the RWQCB on establishing Risk Based Concentrations (RBCs) for Constituents of Potential Concern (COPCs) where exposure pathways are considered potentially complete. The calculated RBCs can be incorporated into the required Soil Management Plan in support of project implementation and the City of Tracy's Sustainability Action Plan.

ORG2-9

Section 4.8, Page 4.8-41 – *Mitigation Measure HAZ-2b: A plan shall be developed for installation a vapor barrier and venting system beneath buildings to be constructed at the site in those areas where residual petroleum hydrocarbons in soil vapor exceed risk-based levels established by the RWQCB or Cal-EPA.*

Comment #9 - CRA and Shell conferred with the RWQCB on establishing RBCs for COPCs where exposure pathways are considered potentially complete. Vapor barriers and venting systems should be justified by a complete exposure pathway as defined in Section 4.8, Pages 4.8-9 and 4.8.10. Proposed building use, occupancy, ventilation rates, and other site-specific vapor intrusion/inhalation input parameters must be included in determining the necessity of vapor barriers and venting systems.

ORG2-10

Section 4-10, Page 4-10.12, Bullet #2, Sub-bullet #6 - *Two 8-inch Shell oil line within an easement of unspecified width (Abandoned and partially removed);*

Comment #10 – According to the historical records that have been reviewed, an 8-inch diameter pipeline and a 10-inch diameter pipeline were originally installed within the easement. These two former Shell pipelines were abandoned in the late 1960's or early 1970's. Portions of the pipelines were removed at or around the time the lines were abandoned; other portions were abandoned in place. One abandoned segment on the site was removed in or about 2001. Other portions may remain in place.

ORG2-11

Appendix H.1, Section 1.1, Page 1 - *There was a former Shell crude oil pipeline that trended northwest to southeast and was parallel to but about 2,400 feet east of the 50-foot PG&E easement. However, this pipeline was abandoned by Shell and portions of the pipeline were removed in 2001.*

Comment #11 – According to the historical records that have been reviewed, an 8-inch diameter pipeline and a 10-inch diameter pipeline were originally installed within the easement. These two former Shell pipelines were abandoned in the late 1960's or early 1970's. Portions of the pipelines were removed at or around the time the lines were abandoned; other portions were abandoned in place. One abandoned segment on the site was removed in or about 2001. Other portions may remain in place.

ORG2-12

Appendix H.2, Executive Summary, Page vii, Bullet #1 - *Soil, soil vapor and groundwater (approximately 30 feet bgs) have been significantly impacted.*

Comment #12 –No context is provided for the assertion that soil, soil vapor, and groundwater have been "significantly" impacted. The investigation data indicates isolated releases of crude oil may have occurred from the pipelines prior to the early 1970's and the residual crude oil is weathered. Soil impact extends to first encountered groundwater, but only at a few locations. Groundwater is impacted only at a few locations as well. As noted in Section 4.8, Page 4.8-10 of the DEIR, if the exposure pathway is incomplete, then "no exposure or risk is possible. In some case, although a pathway is complete, the likelihood that exposure will occur is very small."

ORG2-13

Appendix H.2, Section 2.2, Page 10 - *There was a former Shell crude oil pipeline that trended northwest to southeast and was parallel to but about 2,400 feet east of the 50-foot PG&E easement. However, this pipeline was abandoned by Shell and portions of the pipeline were removed in 2001.*

ORG2-14

Comment #13 - According to the historical records that have been reviewed, an 8-inch diameter pipeline and a 10-inch diameter pipeline were originally installed within the easement. These two former Shell pipelines were abandoned in the late 1960's or early 1970's. Portions of the pipelines were removed at or around the time the lines were abandoned; other portions were abandoned in place. One abandoned segment on the site was removed in or about 2001. Other portions may remain in place.

ORG2-14 cont.

Appendix H.2, Section 5.3.1, Page 19 – *In 2001 Shell abandoned the pipelines and removed portions of the pipelines in advance of anticipated development. The pipelines were buried at a depth of approximately 4 feet below grade surface (bgs).*

Comment #14 - These two former Shell pipelines were abandoned in the late 1960's or early 1970's. Portions of the pipelines were removed at or around the time the lines were abandoned; other portions were abandoned in place. One abandoned segment on the site was removed in or about 2001. Other portions may remain in place.

ORG2-15

Appendix H.2, Section 5.3.1, Page 19 - *In addition, free phase product (crude oil) has been detected floating on the ground of the monitoring wells in the investigation area.*

Comment #15 –Free product has been detected in two monitoring wells in the study area; however, no free product has been detected or observed floating "on the ground".

ORG2-16

Appendix H.2, Section 5.3.1, Page 20 - *The latest site investigation report on GeoTracker, and correspondence with the RWQCB case worker, indicates a complete Conceptual Site Model (CSM) and human health risk assessment (HRA) is being prepared for the site by Shell's consultant.*

Comment #16 - This report was submitted to the RWQCB and appropriate stakeholders on May 13, 2013.

ORG2-17

Appendix H.2, Section 7.1, Page 31 - *Soil, soil vapor and groundwater (approximately 30 feet bgs) have been significantly impacted. A Conceptual Site Model (CSM) and human health risk assessment (HRA) reported are being prepared.*

Comment #17 –No context is provided for the assertion that soil, soil vapor, and groundwater have been "significantly" impacted. The investigation data indicates isolated releases of crude oil may have occurred from the pipelines prior to the early 1970's and the residual crude oil is

ORG2-18

weathered. Soil impact extends to first encountered groundwater, but only at a few locations. Groundwater is impacted only at a few locations as well. As noted in Section 4.8, Page 4.8-10 of the DEIR, if the exposure pathway is incomplete, then "no exposure or risk is possible. In some case, although a pathway is complete, the likelihood that exposure will occur is very small."

ORG2-18 cont.

The CSM and HRA were submitted to the RWQCB and appropriate stakeholders on May 13, 2013.

ORG2-19

CRA has no further comments on the DEIR. We appreciate the opportunity to provide our comments. Please contact Dan Lescure at (925) 849-1002 if you have any questions.

Yours truly,

CONESTOGA-ROVERS & ASSOCIATES

Dan Lescure

DL/fb/1
Encl.

cc: Kevin Dyer, Shell Oil Products US, via Livelink
Shailendra Ganna, Shell Global Solutions, via Livelink
Mike Smith, RWQCB, via Geotracker
Adrienne Ellsaesser, SJCEHD, 1868 East Hazeton Avenue, Stockton, CA 95205
Janet Frentzel, Prologis LLP, via email
Kim Lemon, Prologis LLP, via email

MINUTES
TRACY CITY PLANNING COMMISSION
WEDNESDAY, APRIL 24, 2013
7:00 P.M.
CITY OF TRACY COUNCIL CHAMBERS
333 CIVIC CENTER PLAZA

CALL TO ORDER Chair Ransom called the meeting to order at 7:08 p.m.

PLEDGE OF ALLEGIANCE Chair Ransom led the pledge of allegiance

ROLL CALL Roll Call found Chair Ransom, Vice Chair Sangha, Commissioner Johnson, Commissioner Mitracos, and Commissioner Orcutt. Also present were staff members Andrew Malik, Development Services Director, Bill Dean, Assistant Development Services Director, Victoria Lombardo, Senior Planner, Bill Sartor, Assistant City Attorney, and Steve Noack, Principal with Design, Community & Environment/The Planning Center, Inc. and Jan Couturier, Recording Secretary.

MINUTES APPROVAL Chair Ransom requested that the March 27 minutes be amended to reflect that the public hearing was re-opened because the applicant, Ms. Fielder, wished to address the Planning Commission. Commissioner Johnson moved to approve the March 27, 2013 minutes as amended, Vice Chair Sangha seconded; all in favor none opposed.

Chair Ransom requested comments on the April 10, 2013 minutes; there were none. Commissioner Orcutt moved to approve the April 10, 2013 minutes, Commissioner Mitracos seconded; all in favor, none opposed.

DIRECTOR'S REPORT REGARDING THIS AGENDA None

In accordance with Procedures for Preparation, Posting and Distribution of Agendas and the Conduct of Public Meetings, adopted by Resolution 2008-140, any item not on the agenda brought up by the public at a meeting, shall be automatically referred to staff. If staff is not able to resolve the matter satisfactorily, the item shall be placed on an agenda within 30 days

ITEMS FROM THE AUDIENCE - None

A. OLD BUSINESS None

B. NEW BUSINESS

A. MINOR AMENDMENT TO THE PLAZA ONE FINAL DEVELOPMENT PLAN TO REPLACE PARKING STALLS WITH AN OUTDOOR DINING AREA ADJACENT TO THE BUILDING AT 2972 WEST GRANT LINE ROAD - APPLICANT IS JS KENDALL CONSTRUCTION, INC. FOR PLAZA ONE, LLC

Chair Ransom reviewed Agenda Item 2A and requested the staff report. Ms. Lombardo provided a review of the project stating that it had originally been approved in 2000. She further described the project's history and location. She advised that the proposal was a minor amendment to the original approval which would add an outdoor seating area which would replace 7 existing parking stalls. She further advised that there would be some added landscaping referring to the rendering in attachment B and that the parking would still meet the guidelines for that project.

Ms. Lombardo further reviewed Attachment C which gave a representation of the outdoor seating area. She indicated that staff recommended approval of the minor amendment which

does not compromise the overall site plan. She indicated that it meets all the codes and guidelines.

Chair Ransom asked for comments from the Commission. Hearing none; Chair Ransom opened the Public Hearing. There were no comments.

Chair Ransom asked for a motion from the Commission. Commissioner Mitracos moved that the Planning Commission recommend the City Council approve the minor amendment to the Plaza One Final Development Plan to replace seven parking stalls with an outdoor dining area; based on the findings contained in Planning Commission Resolution date April 24, 2013 Attachment D. Commissioner Orcutt seconded the motion; all in favor, none opposed.

B. PUBLIC HEARING TO RECEIVE COMMENTS ON THE CORDES RANCH SPECIFIC PLAN PROJECT DRAFT ENVIRONMENTAL IMPACT REPORT, AND TO DISCUSS AND RECEIVE COMMENTS ON THE DRAFT CORDES RANCH SPECIFIC PLAN, AND RELATED DRAFT GENERAL PLAN AMENDMENT

Chair Ransom reviewed Agenda Item 2B and requested the staff report. Mr. Dean advised that this Public Hearing was a continuation of the process of bringing the Cordes Ranch project to the Planning Commission. He further indicated that this was an additional opportunity for the public to review the project and comment specifically on the Draft Environmental Impact Report (EIR). He mentioned that this Draft EIR was quite technical.

Mr. Dean introduced Steve Noack who then proceeded to provide an overview of the EIR. He discussed the various technical terms that were included in the report along with a description of the project; the project location, its size and the development plans.

Mr. Noack provided a PowerPoint presentation during which he advised that an EIR is required by California Environmental Quality Act and is an informational document meant to disclose any effects to the environment based on a project's General Plan. He added that the primary purpose of the report is to provide information and show the manner in which these impacts might be mitigated.

Mr. Noack reviewed the timeline for this process; highlighting opportunities for public comment. He summarized the various environmental impacts outlined in the EIR process and those specific to the Cordes Ranch project, including those which were significant and unavoidable.

Mr. Dean mentioned that the list of impacts was typical for projects of this sort.

Mr. Noack summarized that the process required the applicant to review alternatives for mitigation, including those considered superior. He restated that the purpose of this meeting was to focus on the adequacy of the document not on the merits of the project. He indicated all comments would be reviewed and responded to in the final EIR.

Mr. Dean advised that the bulk of comments tend to be from various agencies involved as well as from the public at large.

Chair Ransom asked the Commissioners for their comments.

Commissioner Mitracos asked how the amount of park land had been calculated and if park land is required in such projects. Mr. Dean responded that the City of Tracy mitigates for parkland through residential development standards. He advised that in this case there had been numerous discussions about the dynamics of the space, but indicated there was no specific policy.

Commissioner Mitracos asked about Alternative 3. He reviewed past practices and commented on Mixed Use guidelines.

Mr. Dean indicated that although the question was not entirely about the EIR he would comment on the General Plan portion of the question. He advised that plans are amendable and that the City would consider amendments over time from members of the community and the Planning Commission.

Commissioner Mitracos then spoke to rail alignments and the two alignments that are in the area. Mr. Dean advised the rail alignment was not a specific proposal for this project. He advised that it would involve other properties.

Commissioner Orcutt asked about the wetlands described in the EIR and the issue of the expiration of one area in 2006. He asked if that expiration was something that would be mitigated via legal action. **PC1-1**

Mr. Noack responded that this was a previous wetlands delineation. Because no action had been taken place on that site; that delineation had expired. A new review would have to be done and the Army Corps of Engineers would need to work with the applicant going forward to determine what impacts would occur as a result of the project.

Orcutt commented on the Mountain House community status until full build out adding that it would be somewhat isolated. He wanted to know how the use of parkland area would be amenable to traditional uses of a park versus the present definition included in the Draft EIR. **PC1-2**

Mr. Dean responded by referring to the City of Tracy's recent approval of the Parks Master Plan which would address the uses of various parks in the city; that the Master Plan provided policies that would guide the process of developing residential parks.

Chair Ransom asked if there would be a formal response to the wetlands questions raised by Commissioner Orcutt. Mr. Noack responded that he had recorded the question and would provide a written response in the final document.

Chair Ransom then opened the public hearing at 7:40 p.m. Seeing no further comments, she advised that any further comments would be accepted, in writing, up until May 20, 2013

Mr. Noack advised where the public would be able to review the Draft EIR.

Chair Ransom asked if the Commissioners had any further questions. Hearing none, Chair Ransom requested items from the audience.

3. **ITEMS FROM THE AUDIENCE** None

4. **DIRECTOR'S REPORT** None

5. **ITEMS FROM THE COMMISSION** None

6. **ADJOURNMENT** - Commissioner Mitracos moved to adjourn and was seconded by Commissioner Orcutt at 7:43 p.m.

CHAIR

STAFF LIAISON

APPENDIX H

HAZARDS AND HAZARDOUS MATERIALS

- PIPELINE SAFETY ASSESSMENT FOR CORDES RANCH SPECIFIC PLAN

- PHASE I ESA

APPENDIX H
HAZARDS AND HAZARDOUS MATERIALS

H.1: Pipeline Safety Assessment

PIPELINE SAFETY ASSESSMENT FOR:

CORDES RANCH

SPECIFIC PLAN

prepared for:

CITY OF TRACY

Contact:
Mr. Bill Dean
Assistant Director,
Development and
Engineering Services

prepared by:

THE PLANNING CENTER|DC&E

Contact:
Cathleen Fitzgerald, P.E.
Senior Engineer

~~***MARCH 2013***~~
REVISED JULY 2013

PIPELINE SAFETY ASSESSMENT FOR:

CORDES RANCH

SPECIFIC PLAN

prepared for:

CITY OF TRACY

Contact:
Mr. Bill Dean
Assistant Director,
Development and
Engineering Services

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REGISTERED PROFESSIONAL ENGINEER
CATHLEEN M. FITZGERALD
Exp. Date 12/31/13
No. C039541
CIVIL
STATE OF CALIFORNIA

Cathleen M. Fitzgerald, P.E.
Senior Engineer

TCY-05.0

~~MARCH 2013~~
REVISED JULY 2013

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Appendix A. Agency Correspondence and Risk Calculations

1.1 INTRODUCTION

This report presents the results of a pipeline safety assessment (PSA) prepared by The Planning Center|DC&E for the Cordes Ranch Specific Plan. The Specific Plan Area consists of approximately 1,780 acres adjacent to the City of Tracy in unincorporated San Joaquin County. The Plan Area is outside of, but directly adjacent to, the city limits and is within the City's Sphere of Influence (SOI). The project area is bounded by Interstate 205 to the north, Mountain House Parkway and the Delta Mendota Canal to the west, West Schulte Road to the south, and the Tracy city limit to the east (Figure 1). The Cordes Ranch Specific Plan proposes the development of 1,463 acres with commercial, office, and manufacturing, warehouse, and distribution uses. The remaining 318 acres would consist of roads, parks, open spaces, detention basins, wetland preservation areas, and utility and water easements.

Two Pacific Gas & Electric (PG&E) natural gas pipelines and a Chevron crude oil pipeline are located within a 50-foot easement that bisects the Specific Plan area and is aligned in a northwest to southeast orientation. In addition, there is one PG&E natural gas pipeline in a 65-foot easement that crosses the Delta Mendota Canal and is aligned in a southwest to northeast direction terminating at the PG&E Tracy maintenance yard. Finally, there is a PG&E natural gas pipeline in a 50-foot easement that begins at the PG&E Tracy yard and trends to the southeast paralleling the other PG&E 50-foot easement for a short distance before turning east and crossing the northern portion of the property and eventually paralleling the PG&E transmission line easement. The locations of these pipelines are shown on Figure 1.

There ~~was a~~ are two former Shell crude oil pipelines that trended northwest to southeast and ~~was~~ that were parallel to but about 2,400 feet east of the 50-foot PG&E easement. However, ~~this~~ these pipelines ~~was~~ were abandoned by Shell in the late 1960's and/or 1970's and portions of the pipelines were removed in 2001. Residual contamination from ~~this~~ the pipelines ~~is~~ under investigation by the Central Regional Water Quality Control Board (CRWQCB) and is discussed in the hazards section of the EIR. Since ~~this~~ the pipelines ~~is~~ are not active and ~~has~~ have been abandoned, ~~it~~ they are~~is~~ not subject to further evaluation in this report.

1.2 PURPOSE AND SCOPE

The purpose of this safety assessment is to identify potential hazards associated with the natural gas and crude oil pipelines and to evaluate risks associated with development within the Specific Plan area in close proximity to the pipelines. Recommendations for development setbacks based on land uses planned along the pipeline alignments are also provided.

The safety assessment is based on information obtained from PG&E and Chevron regarding materials of construction, operating parameters and pressures, and inspection and maintenance procedures. In addition, the following reports were used in preparing this assessment:

- Kiefner & Associates, Inc., 2012. *Safety Aspects of Energy Pipelines Regarding the Proposed Ellis Development.* Dated May 1, 2012.

- J. House Environmental, 2004. *Pipeline Risk Analysis, Mountain House Specific Plan III, San Joaquin County, California.* Preapred for EDAW, Inc. Dated June 4, 2004.

- Pipelines and Informed Planning Alliance (PIPA), 2010. *Partnering to Further Enhance Pipeline Safety in Communities Through Risk-Informed Land Use Planning. Final Report of Recommended Practices.* Dated November 2010.

- Municipal Research & Services Center (MRSC), 2004. *Setbacks and Zoning for Natural Gas and Hazardous Liquid Transmission Pipelines.* Prepared by Jim Doherty, Legal Consultant. Dated August 2004.

This report discusses 1) the Specific Plan development plans, 2) pipeline specifications and operating parameters, 3) qualitative pipeline safety evaluation, based on Federal and State regulations and inspection, maintenance, and safety procedures, 4) potential building setbacks, 5) quantitative risk analysis, and 6) summary and recommendations.



2.1 SPECIFIC PLAN DEVELOPMENT

The vision for the Cordes Ranch Specific Plan is to create a state of the art commerce and business park that provides flexibility for a wide variety of uses to develop within the City of Tracy. Permitted land uses within Cordes Ranch are grouped into four zoning districts: General Commercial, General Office, Business Park Industrial, and I-205/Business Park Industrial Overlay. The General Commercial Zone provides for retail commercial goods and services which are oriented to the community and Cordes Ranch. The General Office Zone provides office space for professional services, research and development. The Business Park Industrial Zone provides for warehouse, distribution, manufacturing, storage, industrial flex, and distribution related uses. Parcels within 500 feet of I-205 are included in the I-205/Business Park Industrial Overlay Zone, which addresses the high visibility of development adjacent to I-205 and required higher design standards. Uses include a blend of office with light assembly, manufacturing, and business industrial flex.

Land uses that would be adjacent to the PG&E easements include General Office and Business Park Industrial for the 50-foot easement and General Commercial for the 65-foot easement. The 12-inch PG&E natural gas pipeline would be relocated beneath Capital Parks Drive. A map with the zoning districts and pipeline easements is shown as Figure 2.

2.2 NATURAL GAS PIPELINE SPECIFICATIONS

There are four natural gas pipelines and one crude oil pipeline within the Cordes Ranch Specific Plan area. No other pipelines were identified (NPMS, 2013). The locations of the pipelines are shown on Figure 1.

Natural gas pipeline data were obtained from Pacific Gas & Electric Company (PG&E, 2013). There are two natural gas transmission pipelines (designated as Lines 002 and 401) that cross the property along a 2.2-mile long, 50-foot wide easement at a 45 degree angle. The gas pipelines are separated from each other by 25 feet and there also is a Chevron crude oil pipeline nine feet west of the 26-inch pipeline and 6 feet from the edge of the right-of-way.

The 26-inch natural gas transmission line (designated as Line 002) was constructed in 1972 and runs 118 miles from a PG&E facility near the town of Brentwood, CA to a PG&E facility near Panoche, CA. It has a maximum allowable operating pressure (MAOP) of 890 pounds per square inch (psi). The pipeline is constructed of steel (API 5L X70 grade) and has a wall thickness of 0.322 inch. To minimize corrosion, it is double wrapped with polyethylene tape and is equipped with an induced current cathodic protection system. In addition, the pipeline was pressure tested at the pipe mill to a hoop stress of 90% of the specified minimum yield strength (SMYS) as proof of its structural integrity. An in-line inspection (ILI) of the pipeline was performed in 2006, including the segments which cross the proposed development. The ILI indicated that the pipeline was in overall sound condition. PG&E has not reported any leaks or failures on the segment of pipeline in the vicinity of the project site.

The second 36-inch natural gas transmission pipeline (designated as Line 401) within the easement was constructed in 1993 and has a MAOP of 1,040 psi. The pipeline is constructed of steel (API 5L X60) and has a wall thickness of 0.372 inch. It is coated with a fusion bonded epoxy to minimum corrosion and is also equipped with a cathodic protection system. The pipeline was pressure tested before installation to a hoop stress of 99.6% of the specified minimum yield strength (SMYS) as proof of its structural integrity. An in-line inspection (ILI) of the pipeline was performed in 2005; the results indicated that the pipeline was in overall sound condition. No leaks or failures on the segment of pipeline were reported for the segments within the property. PG&E also reported one investigative dig on Line 002 and two digs on Line 401 in July 2007 that confirmed that no corrosion was occurring. These digs were not conducted on

the pipeline segments within the property, because there were no indications of potential issues at this location.

There also is a 3-inch PG&E natural gas transmission pipeline (designated as Line 222) that enters the property from the southwest at a 45 degree angle and terminates at the PG&E Tracy Station. The pipeline is located within a former 22-inch PG&E pipeline (designated as Line 107) that has been deactivated and is located within a 65-foot easement. The 22-inch pipeline serves as secondary containment for the 3-inch pipeline. The 3-inch pipeline was constructed in 2001 and has an MAOP of 1,040 psig. No further information was provided by PG&E.

Finally, there is a 12-inch PG&E natural gas pipeline (designated as Line 304) that extends from the PG&E Tracy Station paralleling the 50-foot PG&E easement for about 700 feet and then turning east and continuing for approximately 1.0 mile before slightly turning to the northeast for alignment within the PG&E electrical transmission line easement. According to maps provided by PG&E, the easement for this pipeline is 50 feet. This pipeline was constructed in 1963 and has a MAOP of 825 psig. No other information was available from PG&E for this pipeline. However, future plans for development of the property involve relocation of this pipeline beneath Capital Parks Drive.

Another natural gas pipeline begins at the Tracy Station and heads to the north paralleling Mountain House Parkway. This PG&E 10-inch natural gas pipeline (designated as Line 162A) was installed in 2004 and has a MAOP of 365 psig. Because this pipeline is not aligned within the boundaries of the project site, it was not subject to further evaluation.

2.3 CRUDE OIL PIPELINE SPECIFICATIONS

There is a Chevron 18-inch crude oil pipeline within the 50-foot PG&E easement that is co-located with the natural gas pipelines. This pipeline is designated as the "KLM" line, which transports crude oil from Kettleman, CA to Los Medanos, CA. It was constructed in 1945 with a wall thickness of 0.25 inch and has a capacity to transport 85,000 barrels per day. The pipeline has a somastic coating to minimize corrosion and is also equipped with a cathodic protection system. Information such as operating pressure, hydrostatic test pressure and depth of burial is considered by Chevron to be proprietary information and was not available. However, according to the State Fire Marshal's Office, the pipeline is operated at a maximum pressure of 920 psig. The pipeline is monitored 24/7 by a SCADA system and is inspected and tested on a regular basis in accordance with the Federal pipeline regulations (49 CFR 195).

Information for all of the pipelines that are present within the Cordes Ranch property is summarized below:

Description	*26-Inch Natural Gas Pipeline*	*36-Inch Natural Gas Pipeline*	*18-Inch Crude Oil Pipeline*	*12-Inch Natural Gas Pipeline*	*3-Inch Natural Gas Pipeline*[1]
Pipeline Identification	Line 002	Line 401	KLM	Line 304	Line 222
Pipeline Operator	PG&E	PG&E	Chevron	PG&E	PG&E
Year of Installation	1972	1993	1945	1963	2001
Pipeline Diameter, inches	26	36	18	12	3
Wall Thickness, inches	0.322	0.372	0.250	NA[2]	NA
Maximum Allowable Operating Pressure, psig	890	1,040	920	825	1,040
Easement Width, feet	50	50	50	50	65

[1]This pipeline is entirely enclosed within a 22-inch former PG&E pipeline.
[2]NA = Not available

2.4 PIPELINE SAFETY EVALUATION

The PG&E natural gas pipelines and the Chevron crude oil pipeline are constructed, operated, and maintained in accordance with Federal regulations (49 CFR 192 for natural gas and 49 CFR 195 for hazardous liquid pipelines). In addition, these pipelines are subject to State regulations in accordance with California Public Utilities Commission (CPUC) General Order 112-E and the California Pipeline Safety Act of 1981. Procedures and requirements established in these regulations provide safeguards to ensure public safety and reduce risk associated with these pipelines.

2.4.1 Natural Gas Pipeline Safety Procedures

As a result of the San Bruno pipeline incident in 2010 and subsequent investigation, PG&E under the direction of the CPUC has implemented increased inspection, operating, and maintenance procedures for all of their transmission pipelines (CPUC, 2012). PG&E's 2012-2014 Pipeline Safety Implementation Plan includes the following:

- Pressure test 783 miles of natural gas pipelines
- Replace 186 miles of pipeline
- Upgrade 199 miles of pipeline to allow in-line inspection
- Install 228 automated shutoff valves
- Validating MAOP for all transmission pipelines in the system.

PG&E also has a comprehensive testing and inspection program to ensure the safety of its natural gas transmission system by implementing the following:



- Monitoring the pipeline system status on a 24-hour basis, using a Supervisory Control and Data Acquisition (SCADA) computer system

- Hydrostatic testing by pressurizing a pipeline with water to verify a pipeline's MAOP or capability to operate at a safe level of pressure

- Camera inspection by excavating holes along the length of the pipeline and inserting a tethered camera to record internal pipeline conditions

- Checking for leaks by aircraft equipped with advanced laser detection technology followed by teams of gas technicians using handheld detectors

- Surveying, monitoring, and testing pipelines on a continual basis, using "smart pig" in-line inspection devices that identify internal issues, such as corrosion.

- Conducting periodic electrical surveys to inspect the cathodic protection system to detect areas where electrical potentials or flow of currents suggest that corrosion could be occurring.

2.4.2 Crude Oil Pipeline Safety Procedures

Hazardous liquid pipelines, which include the Chevron crude oil pipeline, are required to implement integrity management plans (IMPs) for pipeline segments that could impact high consequence areas (HCAs). Development of the Cordes Ranch Specific Plan would most likely result in the area around the Chevron pipeline being designated as an HCA. The IMP process is similar to that for natural gas pipelines, except that an HCA is defined not only with respect to proximity to populated areas but also the likelihood that a spill could cause pollution of water sources or environmentally sensitive areas.

The Chevron pipeline could be susceptible to external corrosion and encroachment damage by third parties. To minimize the external corrosion threat, the pipeline is coated with Somastic (a coating consisting of asphaltic mastic) and is required to be cathodically protected. Under the Federal 49 CFR 195 regulations, the pipeline's integrity must be assessed every 7 years in HCAs. Chevron also maintains a damage prevention program.

2.4.3 Historic Pipeline Incident Rates

A search of the natural gas and hazardous liquid pipeline incident databases maintained by Pipeline and Hazardous Materials Safety Administration (PHMSA) indicates that there has been only one reported incident for any of the pipelines in the vicinity of the site (PHMSA, 2013). Pipeline operators are required to report any incident that results in either 1) a fatality or injury that requires hospitalization, 2) more than $50,000 in cleanup costs, 3) liquid releases of more than 50 barrels, or 4) liquid releases resulting in an unintentional fire or explosion. The PHMSA California Significant Incidents database showed no pipeline incidents were reported within the City of Tracy for any PG&E natural gas pipelines during the last 10 years (2002-2013). There was one incident involving the Chevron crude oil pipeline on December 4, 2003 on the property located just north of Cordes Ranch across I-205. The cause of the incident was third party damage from a tractor working on the farmland accidentally striking the pipeline. Approximately 750 barrels of crude oil were released; no injuries or fatalities were reported.

In addition, the PHMSA natural gas transmission incident databases from 1970 through 2012 were reviewed. No PG&E incidents were reported in the vicinity of the project site. The PHMSA hazardous liquid incident databases from 1968 to 2013 also were reviewed. Other than the incident reported above, there were no other incidents in the vicinity of the project site involving the Chevron crude oil pipeline that crosses the site.

There are four general categories recognized as the main causes of pipeline leaks or ruptures:

- Third Party Excavation Damage
- Internal or External Corrosion
- Material, Weld, or Equipment Failure
- Ground Movement

Third Party Excavation Damage. Third party damage typically arises from people or companies digging in the vicinity of buried pipelines without realizing that the pipelines are there. The excavating equipment accidentally strikes or damages the pipeline. Third party damage is responsible for approximately 50% of all pipeline failures. Federal and State regulations require contractors or landowners to notify in advance (at least 48 hours) where they will be working. This provides the pipeline operators time to mark or flag the exact location of the pipelines prior to the start of excavation. California has a one-call system (Underground Service Alert) in place for both northern and southern California to minimize the potential for third party damage. In addition, PG&E is a member of Common Ground Alliance, which is a nation-wide association dedicated to promoting best practices to avoid excavation damage to pipelines.

Construction within the Cordes Ranch area will be conducted by various licensed contractors and as required by law, these contractors must contact USA prior to the initiation of any excavation activities so the exact location of the pipelines may be marked. Additional precautionary measures for construction activities at Cordes Ranch will include close coordination between project engineers and pipeline operators, pothole mapping to confirm pipeline locations within the PG&E easements, and adherence to restrictions on landscaping, grading, and load limitations within the pipeline easements. These measures will reduce the potential for third party damage.

Internal or External Corrosion. Internal and external pipeline corrosion are functions of pipeline materials, pipeline age, corrosion preventative measures, such as cathodic protection and coatings, and soil conditions. Measures to mitigate corrosion impacts for the pipelines within the Cordes Ranch property include:

- External coatings on all pipelines
- Installation of cathodic protection systems on all pipelines
- Routine inspections of the cathodic protection systems to ensure they are functioning properly
- Periodic electrical surveys along the easements to detect areas where electrical potentials or currents flow suggest corrosion may be occurring
- Periodic in-line inspections to identify, locate, and estimate areas of metal loss occurring inside the pipelines

Routine inspections of the PG&E and Chevron pipelines have not identified any concerns with respect to corrosion or deterioration. The potential for the pipelines within the Cordes Ranch property to fail due to internal or external corrosion is considered to be low to moderate.

Material or Weld Defects. The potential for material or weld defects is typically related to the age of the pipelines. Modern pipelines with arc-welded seams are not as susceptible to failure in comparison to older pipelines that were welded with electric-resistance-welded (ERW) seams. The natural gas pipelines aligned beneath the property are relatively new and were installed between 1963 and 1993. These lines were installed in the modern era of pipe manufacturing and construction. The standards required pressure testing of each length of pipe to at least 90% of the SMYS at the pipe mill to ensure safe operation. In addition, the current plan is to relocate the 12-inch natural gas pipeline beneath Capital Parks Drive. This would result in the oldest pipeline (installed in 1963) being replaced with new pipe. Although the Chevron pipeline, which was installed in 1945, was likely constructed using ERW seams, Federal regulations require that this be addressed in the integrity assessment part of the Integrity Management Plan (IMP).

Routine maintenance and inspections of these pipelines are conducted in accordance with CPUC General Order 112-E and 49 CFR Part 192 regulations for the natural gas pipelines and by 49 CFR Part 195 regulations and the California Pipeline Safety Act of 1981 for the crude oil pipeline. No concerns have been identified with respect to weld or material defects. Therefore, the potential for pipeline failure due to weld or material defects is considered to be low to moderate.

Ground Movement. The potential for ground movement in the vicinity of the site is related to the probability and impact of a strong earthquake or liquefaction. The site is not within an Alquist-Priolo Earthquake Fault Zone. No active faults are located in the immediate vicinity of the project site. The nearest active fault is the Greenville Fault, which is located approximately 8 miles to the southwest (J House Environmental, 2004). The potential for surface fault rupture in the vicinity of the site is considered to be very low.

The site is considered to be in a region of moderate to high seismicity, due to the proximity of the San Andreas and Great Valley fault systems. A horizontal peak ground acceleration (PGA) at the site is estimated to be 0.5g (10 percent probability of being exceeded within a 50-year period). This is considered to be a moderate earthquake hazard (ALA, 2005). A geotechnical report conducted for the property immediately north of Cordes Ranch indicated that the potential for liquefaction to occur was very low, due to the presence of dense soils and the absence of shallow groundwater (Kleinfelder, 2002).

In summary, the overall potential for ground movement to impact the pipelines at the site is considered to be low. Although the pipelines are in an area of moderate seismicity, the potential for surface fault rupture is very low and there is a very low probability of liquefaction.

The California Department of Education (CDE) has developed a methodology for determining the risk associated with natural gas and hazardous liquid pipelines to be used when siting new schools (CDE, 2007). Based on a detailed analysis of pipeline incident data, the predicted failure probability rates used in the CDE methodology are:

- 1.2E-04 releases per mile per year for natural gas transmission pipelines
- 2.3E-03 releases per mile per year for crude oil pipelines

Given that the longest PG&E pipeline easement that crosses the property is 2.2 miles, this is equivalent to an on-site release of natural gas occurring once every 3,800 years or an on-site release of crude oil occurring once every 200 years.

2.5 BUILDING SETBACKS AND ZONING

2.5.1 Setbacks

Setbacks refer to minimum distances from a pipeline within which permanent structures, such as houses or buildings, are prohibited. The primary goal of pipeline setbacks is to protect pipelines from third party damage, thus reducing the likelihood of pipeline ruptures, with resulting injuries and property damage. There are no Federal or California regulations that establish a minimum setback requirement. However, there are various guidelines that have been promulgated by industry, pipeline operators, and advocacy groups.

Pipeline operators prefer a setback distance of at least 25 feet in order to facilitate access to the pipeline during installation or for maintenance/repair activities. In order for an operator to inspect and repair a pipeline, it is necessary to bring in a backhoe or excavator, remove the topsoil, and dig a trench with sufficient sloping of the sides to meet work safety requirements. A setback of 25 feet is a practical minimum distance for safe and efficient operation without encroaching on the landowner's property.

The Transportation Research Board (TRB) report *Transmission Pipelines and Land Use – A Risk-Informed Approach* (2004) indicates that the most common practice by local governments is to require setbacks of 25 feet. The American Petroleum Institute (API) recommends setbacks of 50 feet from petroleum and hazardous liquid pipelines for new homes, businesses, and places of public assembly (API, 2003). It also recommends 25 feet for garden sheds, septic tanks, and water wells and 10 feet for mailboxes and yard lights. If the purpose of setbacks is to minimize the potential for third party damage to the pipelines, then the setbacks for natural gas transmission pipelines should be the same.

In 2000, following the 1999 Olympic Pipeline tragedy in Bellingham, the Washington state legislature directed the Municipal Research and Services Center (MRSC) to draft model franchise ordinances for natural gas and hazardous liquid transmission pipelines, and also a model ordinance for setbacks from those major energy pipelines. This "model ordinance" recommends setback requirements from gas transmission pipelines and hazardous liquid pipelines for general residential, commercial, and industrial buildings shall be a minimum of 50 feet (MRSC, 2013). They also specify that the setback distance shall be measured from the nearest edge of the pipeline corridor. These model ordinances can be used by local governments for planning new development near existing pipelines.

The City of Austin, TX has developed an aggressive ordinance regarding development near hazardous pipelines. The ordinance prohibits new construction and/or buildings within 25 feet of a hazardous pipeline and requires stricter building and fire protection codes for buildings within 200 feet of a pipeline. The ordinance also forbids new structures requiring extra evacuation assistance, such as schools and hospitals, within 500 feet of a pipeline.

Bakersfield Municipal Code prohibits habitable portions of structures within 50 feet of a high pressure natural gas transmission line that operates at 250 psi or more. In addition, no habitable structure shall be built within 40 feet of a hazardous liquid pipeline, and no habitable structure shall be built within 30 feet of a crude oil pipeline. San Bernardino County has established a minimum setback of 15 to 25 feet from the centerline of gas pipelines for all buildings and structures. They typically use 25 feet as the basic setback.

A search of the literature did not find any setback distances that were developed on the basis of risk. This would be difficult to accomplish because setbacks based on some level of risk assessment would be complex in order to account for variations in product, pipe diameter, pressure, depth of cover, and pipeline age. Setbacks based on this approach would have to be very wide to minimize the risk for a high consequence but low probability event. Local governments typically prefer simple, rather than complex, regulatory approaches.

In summary, the existing setback ordinances or recommendations typically range from 25 to 50 feet. Because the precise location of a pipeline within an easement is not always known, it is prudent to measure the setback from the edge of the pipeline easement.

2.5.2 Zoning and Risk-Based Design

Natural gas pipelines incorporate a risk-based design that evaluates pipeline wall thickness and operating stress levels (defined as a percentage of the SMYS) to the density of development along the pipeline. This approach results in four location classes as defined in the following table:

Class	*Description*	*Building Density*[1]	*Stress, % of SMYS*	*Test to Operating Pressure Ratio*
1	Rural, unpopulated	<11 buildings	72% max	1.1
2	Outskirts of populated area	11 to 45 buildings	60% max	1.25
3	Developed suburbs and commercial areas	46+ buildings	50% max	1.5
4	Urban, heavy traffic, tall buildings	Buildings > 3 stories high	40% max	1.5

[1]Building density defined as the number of buildings intended for human occupancy within a reference area of ¼ mile wide and 1 mile long centered along the pipeline

The Cordes Ranch area is currently designated as Class 1 corresponding to rural land use. Once buildout of the specific plan has occurred, Cordes Ranch will likely be designated as Class 3. In accordance with 49 CFR 192 regulations, PG&E will be required to conduct a technical study to support the change in class designation for these pipelines within the Cordes Ranch specific plan. When an area adjacent to an existing Class 1 or Class 2 pipeline becomes Class 3, the operating pressure of the pipelines must be revalidated for the new class designation by retesting the pipe to a higher margin above its operating stress or by replacing it with heavier-wall or stronger-grade pipe. However, the pipeline does not need to be retested or replaced if the pipeline was previously tested to a sufficiently high margin, and the change in class is only one class increment (i.e, from Class 1 to Class 2).

The 3-inch and 36-inch natural gas pipelines within the Cordes Ranch property currently operate as Class 1 lines; the 12-inch and 26-inch natural gas pipelines are operating as Class 2 lines. The 12-inch and 26-inch pipelines could be changed to a Class 3 designation since the change is only one-class increment and the pipelines were previously tested to 1.5 times the current MAOP. In addition, relocation of the 12-inch pipeline beneath Capital Parks Drive would likely result in pipeline replacement that would meet Class 3 requirements.

For the 3-inch and 36-inch natural gas pipelines, PG&E would have to apply to PHMSA for a waiver to operate more than "one Class out" contingent on the pipelines meeting criteria for construction and condition and PG&E implementing integrity management practices to assure that overall risk levels are no greater than what was occur with pipeline replacement. The other option is pipeline replacement.

Development of Cordes Ranch would also result in the area being designated as a High Consequence Area (HCA). Natural gas pipelines within an HCA must have formal Integrity Management Plans (IMPs), which include the following elements:

- Identification of HCAs
- Determination of the length of pipeline segments affecting HCAs
- Consideration of all pipeline attributes with respect to integrity threats
- Performing risk assessments to identify risk-driving factors, prioritizing HCA pipeline segments for condition assessment, selecting assessment methods, and weighing mitigation strategies
- Assessing the condition of the HCA pipeline segment with respect to the identified integrity threats
- Responding to conditions identified by the condition assessment within specified time limits
- Developing long-term mitigation strategies to lower risk associated with identified integrity threats
- Repeating assessments at time specified intervals
- Developing plans for management of change, measurement of program effectiveness, continuous improvement, and communication.

This provision applies to any pipeline segment adjacent to or which could affect an HCA. Two methods can be used to identify HRA pipeline segments. PG&E uses Method 2 to identify HCA areas, which is defined as any area where there are 20 or more buildings intended for human occupancy within the Potential Impact Radius (PIR). The PIR is defined as $R = 0.69D(P)^{0.5}$, where R = radius is feet, D is the pipe diameter in inches, and P is the pipeline operating pressure in psig. The PIRs for the pipelines on the Cordes Ranch property are as follows:

Pipeline	*Pipeline Diameter (in)*	*Pipeline Pressure (psig)*	*Calculated PIR (ft)*
002	26	890	535
401	36	1040	801
304	12	825	238
222	3	1040	67

The PIR is related to the radiant heat intensity that a person would be exposed to at the edge of the radius and corresponds to a 99% survival rate or 1% fatality rate in the event that the pipeline was to rupture and the released gas was ignited. The purpose of the PIR is to define pipeline segments that fall within the HCA zone; these segments warrant a higher standard of scrutiny and inspection as specified in the IMP. The PIR is not meant to be used to define setback distances because it only considers the consequences of an event without accounting for the probability of occurrence, but is used solely to define the locations of the HCAs.

HCAs for hazardous liquid pipelines are defined differently, because releases of gasoline or crude oil can spread over land and water, flowing down valleys or waterways and resulting in a risk some distance from the original release point. Identification of HCAs for hazardous liquid pipelines focuses on populated areas, drinking water sources, and unusually sensitive ecological resources. Consequently, a higher percentage of hazardous liquid pipelines are considered to have the potential to impact HCAs.

2.6 RISK ANALYSIS

Risk is made up of two factors, both of which need to be carefully considered in determining how risky an activity may be. One factor is the probability that an event will occur (i.e., the chance that a pipeline will rupture or leak) and the other factor is the possible consequences if it does. People tend to underestimate common risks, such as motor vehicle accidents and smoking, and overestimate the risk of events that have a very low probability of occurrence but can result in large consequences, such as airplane crashes or pipeline ruptures. It is possible to reduce the risk from pipelines by reducing the probability of pipeline incidents through proper pipeline operation and maintenance and integrity management programs, but it is more difficult to reduce the consequences of pipeline events, which are related to pipeline diameter and operating pressure. From the pipeline historic incident databases, it is fairly clear that the probability of a pipeline failing at any particular spot is very, very small but the consequences can be huge and can involve serious injury or death, depending on the circumstances of the incident.

To determine whether a pipeline easement of 25 feet would be protective to workers and occupants at the Cordes Ranch development, a risk analysis was conducted. The California Department of Education's (CDE's) pipeline protocol for determining individual risk at new school sites was used for this analysis (CDE, 2007). The purpose of the CDE protocol is to evaluate whether natural gas and/or hazardous liquid pipelines pose an unreasonable safety hazard to students and staff at a school campus. The protocol uses historic data to estimate the probability of a pipeline failure and product release, as well as models to determine the consequences of a pipeline incident, considering fatality probabilities for difference exposure scenarios (pool fire, flash fire, flammable vapor cloud) and school attendance hours. The result is an estimate of individual risk, which is compared to a significance threshold of one in a million (1.0×10^{-6}). If the estimated risk is less than one in a million, then no significant safety hazard is predicted. The CDE methodology was modified for this assessment to account for worker exposure rather than school attendance, assuming an individual would be present at the site for 8 hours a day and 365 days per year, resulting in a 33% occupancy rate.

Two accident scenarios were evaluated: 1) a rupture or large volume release equal to the pipeline's diameter, and 2) a leak or small volume release from a 1-inch diameter hole. Three potential consequences were evaluated for each accident scenario: 1) jet flame or pool fire, 2) flash fire from a flammable vapor cloud, and 3) explosion. For this assessment, it was assumed that a receptor would be standing at a distance of 25 feet from the pipeline (i.e., the proposed setback distance). The USEPA approved computer model ALOHA (Areal Locations of Hazardous Atmospheres) was used to determine the hazards from each accident scenario (USEPA, 2006).

The results are provided in Appendix A and summarized herein:

- 26-Inch Natural Gas Pipeline – 2.0×10^{-7}
- 36-Inch Natural Gas Pipeline – 3.0×10^{-7}
- 18-Inch Crude Oil Pipeline – 2.6×10^{-7}
- 12-Inch Natural Gas Pipeline – 9.1×10^{-8}
- 3-Inch Natural Gas Pipeline – 3.9×10^{-8}

The calculated individual risk for each pipeline is less than the significance threshold of 1.0×10^{-6} and the total individual risk for all pipelines is 8.9×10^{-7}, which also is less than the significance threshold. Therefore, a 25-foot easement for all the pipelines that exist on the property would be protective of the workers and occupants for the Cordes Ranch development.

These results are consistent with the risk analysis provided in the *Mountain House Specific Plan III*, which evaluated three of the same pipelines (the 26- and 36-inch natural gas pipelines and 18-inch crude oil pipeline) for the property just north of Cordes Ranch and I-205. They found that there were no siting constraints or additional setbacks required for the pipelines within the PG&E easement for the proposed office/commercial/light industrial land uses (J. House Environmental, 2004).

2.7 SUMMARY AND RECOMMENDATIONS

Pipeline incidents are infrequent, although they can and do occur. However, most reportable pipeline incidents do not involve casualties. Only 3% of hazardous liquid incidents and only 11% of natural gas transmission line incidents result in injury or death (OPS, 2010). And less than half of these percentages involve injury or death to the general public. Most injuries or deaths are incurred by pipeline operator employees or contractors working in the pipeline right-of-way.

The pipeline risk analysis indicates that the estimated annual individual risk for the planned land uses at the Cordes Ranch property is less than 1.0×10^{-6}, assuming a 25-foot setback from the pipelines.

2.7.1 Summary

- There are four natural gas pipelines and one crude oil pipeline that traverse the Cordes Ranch property, ranging in diameter from 3 inches to 36 inches

- The pipelines are similar to a large number of pipelines making up the pipeline transportation infrastructure in California and throughout the US and have been evaluated by others for proposed development projects to the north and south

- The gas pipelines are relatively new, ranging in age from 1962 to 2001, and are in sound condition, based on the results of recent integrity assessments and in-line inspections

- The crude oil pipeline was constructed in 1945 but is regularly inspected and assessed for its integrity in accordance with Federal regulations. No incidents have been reported along this pipeline in the vicinity of the site except for third party excavation damage

- The pipelines are expected to continue to operate reliably and safely as the pipeline operators conduct periodic inspections and integrity assessments in accordance with Federal and State regulatory requirements

- The pipelines are exposed to a limited range of potential integrity threats which are mitigated by pipeline operating practices, such as regular inspections and corrosion controls, and the location of the pipelines within easements that limits the potential for third party excavation damage

- The pipelines do not impose hazards to persons occupying the Cordes Ranch development above and beyond those which are commonly present and associated with the same pipelines already in place in adjacent communities. The pipeline present lower risk compared to many other societal risks, such as motor vehicle accidents, household accidents, disease, or crime

- Building setbacks from pipelines are not required by Federal or State regulations nor are they incorporated in the City of Tracy zoning standards. However, proposed site development plans will incorporate a 25-foot setback to further reduce risk and the potential for third-party damage.

2.7.2 Recommendations

The recommendation for the Cordes Ranch Specific Plan is to minimize pipeline risk by incorporating a minimum 25-foot easement for all pipelines within the property and maintain this easement as public space. The 12-inch natural gas pipeline would be relocated beneath the newly constructed Capital Parks Drive, which will be a 4-lane arterial that is 99 feet wide with 25 feet of landscaping on either side of the road. This will ensure that the pipeline is at least 25 feet from the developable portions of the property.

For the three pipelines within the 50-foot easement that crosses the property, it is recommended that an additional 20 feet on the southwest side of the easement and an additional 15 feet on the northeast side of the easement be dedicated as a setback zone with land use as either open space or landscaping. The reason for the additional setback distance is that the Chevron crude oil pipeline is only 6 feet from the west edge of the easement and the 36-inch natural gas pipeline is only 10 feet from the east edge of the easement. This would ensure that there is a 25-foot separation or setback from the centerlines of the pipelines and potential habitable structures.

For the 3-inch natural gas pipeline contained within the 22-inch pipeline, there currently exists a 65-foot easement. Although the configuration of this pipeline within a larger pipeline provides secondary containment, it is recommended that a 25-foot setback also be implemented for this pipeline. Because the alignment of the pipeline is only 7.5 feet from the edge of the right-of-way, it is recommended that an additional 20 feet on the southeasterly side of the ROW be dedicated as a setback zone with land use as either open space or landscaping. This would result in a 25-foot separation from the centerline of the pipeline to any occupied land use.



In addition, it is recommended that to the extent feasible, parking lots, landscaping, driveways, and green space should be located adjacent to the pipeline easements and buildings should be located at greater distances from the easement, if possible.

It is also recommended that the project developer and the City of Tracy work with PG&E and Chevron to develop a plan to minimize potential impacts to the pipelines by implementing the following:

- Incorporate designated land uses over the pipeline easement, such as green space, to minimize the potential for damage

- Prominently mark the line locations prior to site development, maintaining markings throughout the development process, and installing final markings after the work is complete

- Communicate with the pipeline operators when plans call for excavation or utility trenching near the pipelines

- Institute measures that all contractors must initially pothole or hand dig to the proposed depth of the utility trench or excavation if within 25 feet of the pipeline easement

- Evaluate in consultation with the pipeline operators whether heavy construction vehicles with axle loads less than 15,000 pounds would create stress on the pipelines at their burial depths when crossing the lines or easements. Establish temporary fill or other protective measures as needed and establish permanent crossing areas for vehicles $\geq$ 15,000 pounds

- Avoid placing new utilities and services within the pipeline easement and minimize utility crossings over the pipeline easements to the extent feasible.

Other measures for reducing risk suggested in the Pipelines and Informed Planning Alliance (PIPA) recommended practices document should be incorporated, as described below:

- Select landscaping vegetation with shallow root structures within the 25-foot setback area to avoid damaging pipeline coatings
- Avoid planting trees that prevent direct observation of the pipelines by aerial patrol
- Manage storm water runoff to prevent erosion of the pipeline bedding
- Consider accessibility to pipeline personnel and first responders in the event of an emergency
- Incorporate escape routes from areas within the Potential Impact Radius (PIR).

Finally, an emergency contact list should be maintained with phone number of local police, fire departments, and pipeline operators (PG&E and Chevron). Communication should be established with PG&E and Chevron so that the property occupants are notified if excavation or maintenance activities for the pipelines are planned within the Cordes Ranch Specific Plan boundaries. Any roadwork or underground utility work that involves digging in or near the pipelines should be reported to PG&E or Chevron to ensure that they are aware of these activities. Similarly, any odors or leakage from the pipelines also should be reported immediately to the pipeline operators and local emergency response personnel.

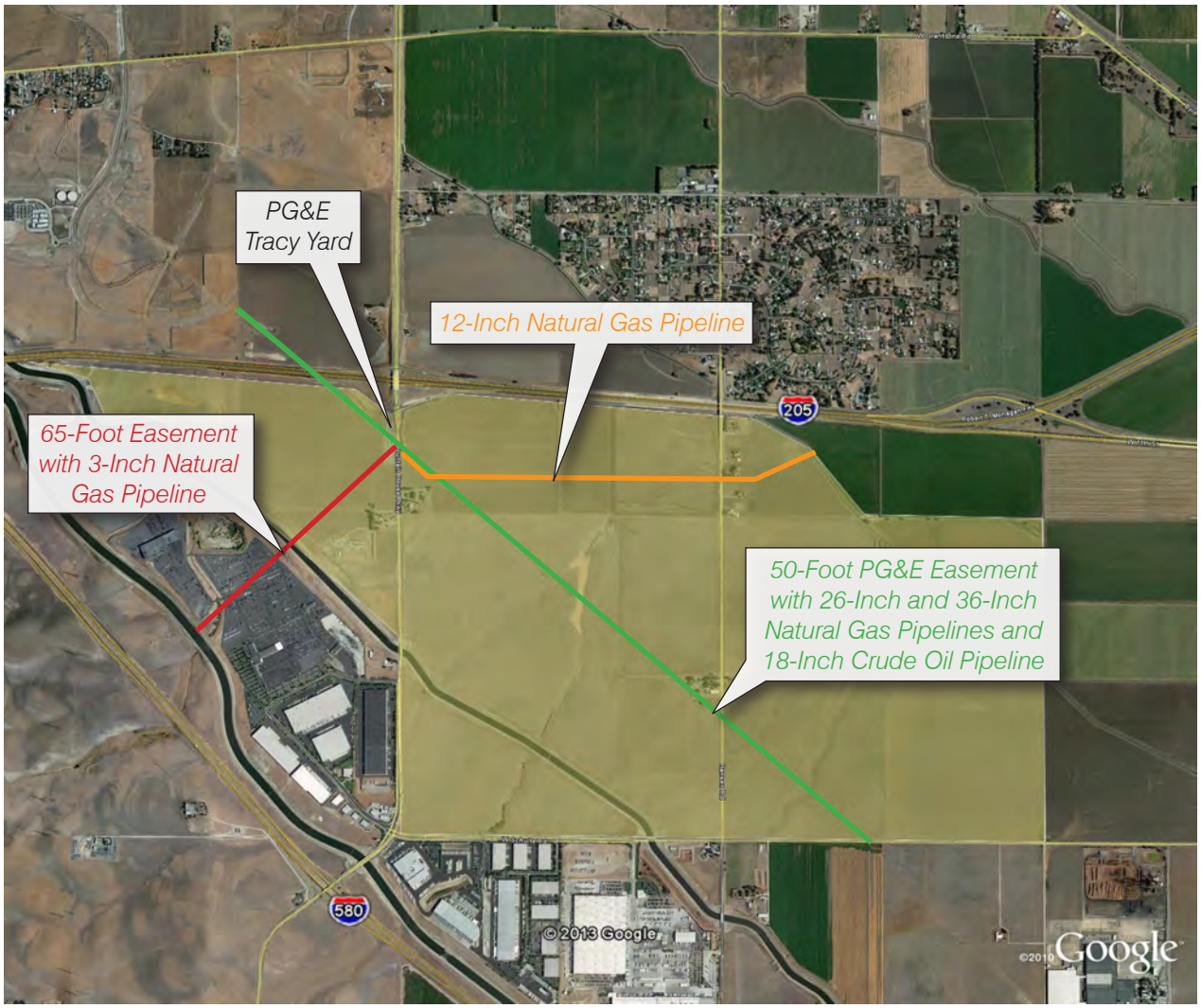


3. References

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3. American Petroleum Institute (API), 2003. *Public Awareness Programs for Pipeline Operators, API Recommended Practice 1162.* Washington, D.C., May 2003.
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6. California Public Utilities Commission (CPUC), 2012. *Press Release: CPUC Approves Pipeline Safety Plan for PG&E.* Dated December 20, 2012.
7. J. House Environmental, 2004. *Pipeline Risk Analysis, Mountain House Specific Plan III, San Joaquin County, California.* Prepared for EDAW, Inc. Dated June 4, 2004.
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11. Office of Pipeline Safety (OPS), 2010. *Building Safe Communities: Pipeline Risk and its Application to Local Development Decisions.* US Department of Transportation, Pipeline and Hazardous Materials Safety Administration. Dated October 2010.
12. Pacific Gas & Electric Company (PG&E), 2013. Email correspondence and maps provided by Mr. Neil Flemmer, Pipeline Engineer, PG&E to Mr. Steven Bush, Project Scientist, The Planning Center/DC&E dated February 20, 2013.
13. Pipeline and Hazardous Materials Safety Administration (PHMSA), 2013. *California Significant Incident Listings.* Website: http://primis.phmsa.dot.gov/comm/reports/safety/
14. Transportation Research Board (TRB), 2004. *Transmission Pipelines and Land Use – A Risk-Based Approach.* Special Report 281, 2004.
15. United States Environmental Protection Agency (USEPA), 2006. *ALOHA (Areal Locations of Hazardous Atmospheres),* User's Manual, USEPA, Office of Emergency Management, Washington DC, and National Oceanic and Atmospheric Administration, Office of Response. Seattle, Washington. Dated February 2006.

Figures

Site Location and Pipeline Map

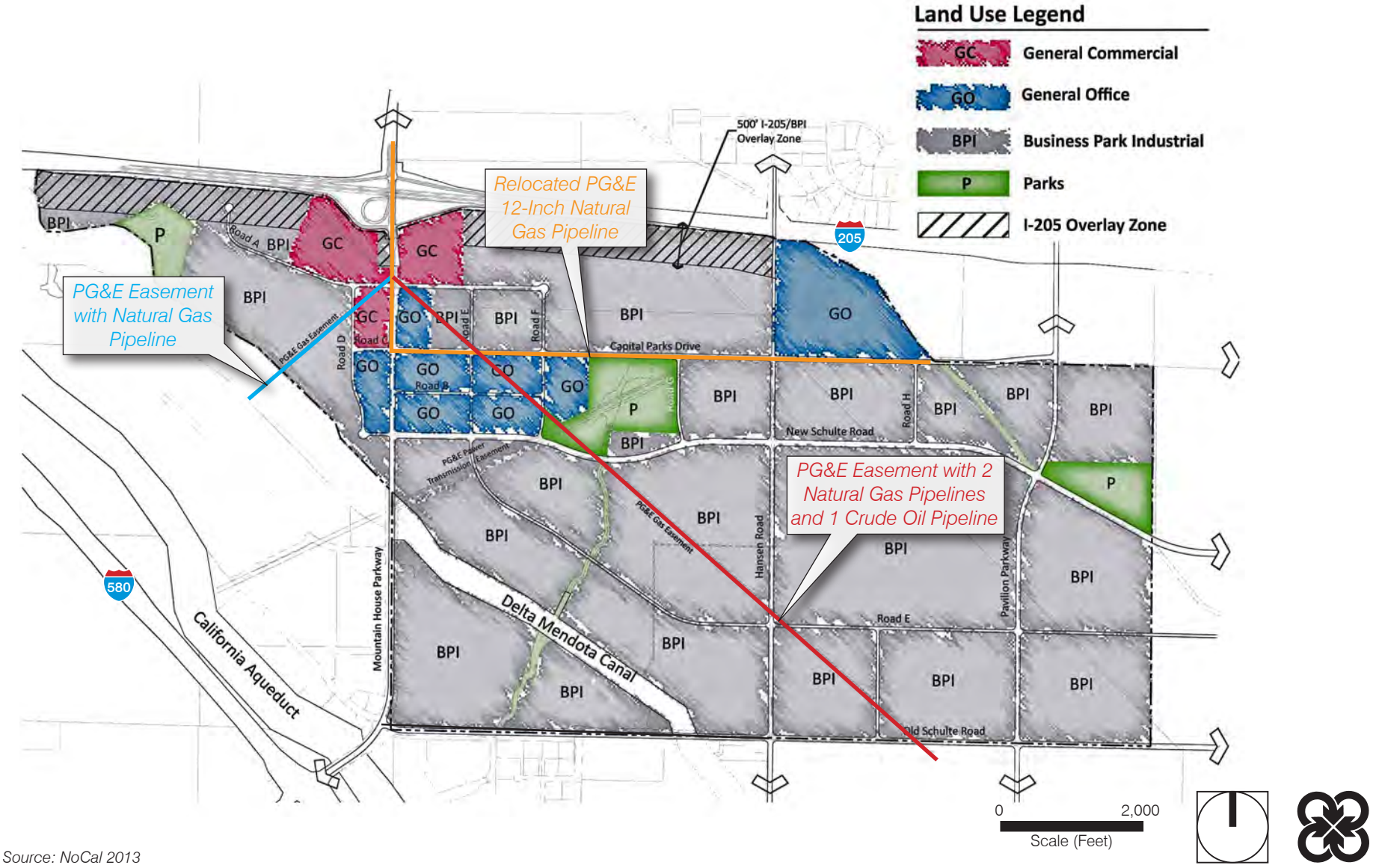


0 1

Scale (Miles)

Basemap Source: Google Earth 2013

Zoning Districts and Pipeline Locations



Basemap Source: NoCal 2013

Appendix A. Agency Correspondence and Risk Calculations

Agency Correspondence



Cathy Fitzgerald

To: Steve Bush
Subject: RE: Cordes Ranch Drawing

From: Flemmer, Neil [mailto:NCF6@pge.com]
Sent: Thursday, February 21, 2013 9:47 AM
To: Steve Bush
Subject: RE: Cordes Ranch Drawing

Steve,

See my responses in **red** below.

Thanks.

NEIL FLEMMER, P.E.
PIPELINE ENGINEER
PACIFIC GAS & ELECTRIC
CELL: (925)979-8575
OFFICE: (925) 974-4289
FAX: (925)974-4271

Pacific Gas and Electric Company®

From: Steve Bush [mailto:sbush@planningcenter.com]
Sent: Wednesday, February 20, 2013 3:29 PM
To: Flemmer, Neil
Subject: RE: Cordes Ranch Drawing

Hi Neil,
Thank you for the response and pipeline map. I have some additional questions regarding the pipeline map. I just left you a message, but it's probably easiest to just list the questions here:

1. Is there a 20-inch NG pipeline running parallel to the 3-inch line? An unofficial pipeline figure we have received from our client depicts a 2nd pipeline running parallel to the 3-inch line, so I just want to clarify whether there is a 2nd line there or not. Maybe it's been abandoned or idled.
   Line 222 (3") is inserted in a deactivated portion of Line 107, which is 22" in diameter.

2. How wide are the easements for the 3-inch, 12-inch, and 10-inch pipelines? We have that the easement width of the 26-inch and 36-inch pipelines is 50 feet.
   Give me a few days to have the easement documents pulled and I will get back to you on this.

And for all 5 depicted pipelines:

2. Year of construction of the pipelines?
   Line 002 – 1972
   Line 162A - 2004
   Line 222 - 2001
   Line 304 - 1963
   Line 401 - 1993

3. Approximate depth of pipeline cover? (estimate from as-built maps is fine)

All pipelines were installed with minimum depth of cover requirements outlined in CFR 192. But, the only reliable way to know depth-of-cover is to pothole or probe for each of the lines. Due to settlement, erosion, farming, etc. depth of cover can change significantly after the pipeline has been constructed.

5. If possible, locations (or distance) to closest upstream and downstream shut off valves for each pipeline.

We can't disclose exact valve locations, but our valves are spaced in compliance with CFR 192. If the class of the pipelines change, we will need to change our valve spacing to comply with the new class.

If you have any questions, please don't hesitate to give me a call.

Regards,

Steven Bush, EIT
Scientist

THE PLANNING CENTER | DC&E
9841 Airport Boulevard Suite 1010 | Los Angeles CA 90045
310.670.9221 | 310.670.9512 (f)
sbush@planningcenter.com
www.planningcenter.com | www.dceplanning.com

From: Flemmer, Neil [mailto:NCF6@pge.com]
Sent: Wednesday, February 20, 2013 2:09 PM
To: Steve Bush
Subject: Cordes Ranch Drawing

Steve,

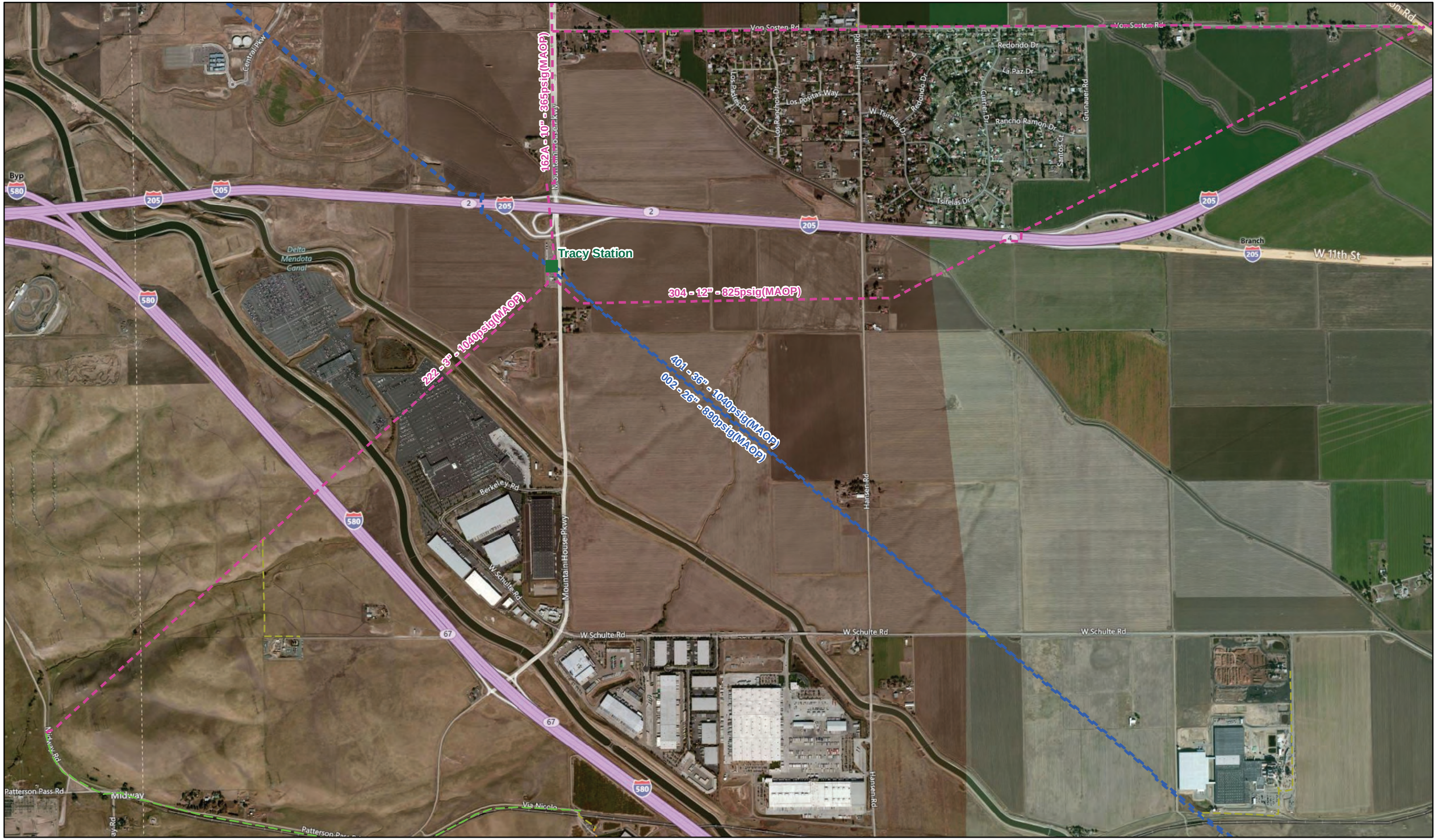
Here is the drawing that you requested. Let me know if you have any questions.

Thanks.

NEIL FLEMMER, P.E.
PIPELINE ENGINEER
PACIFIC GAS & ELECTRIC
CELL: (925)979-8575
OFFICE: (925) 974-4289
FAX: (925)974-4271

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To learn more, please visit http://www.pge.com/about/company/privacy/customer/

PG&E is committed to protecting our customers' privacy.
To learn more, please visit http://www.pge.com/about/company/privacy/customer/



02/20/2013
PG&E Critical Infrastructure Information
Must Be Held In Confidence
Facilities to be Operated by PG&E Personnel Only
Call 811 Before You Dig

Cordes Ranch, Tracy, CA

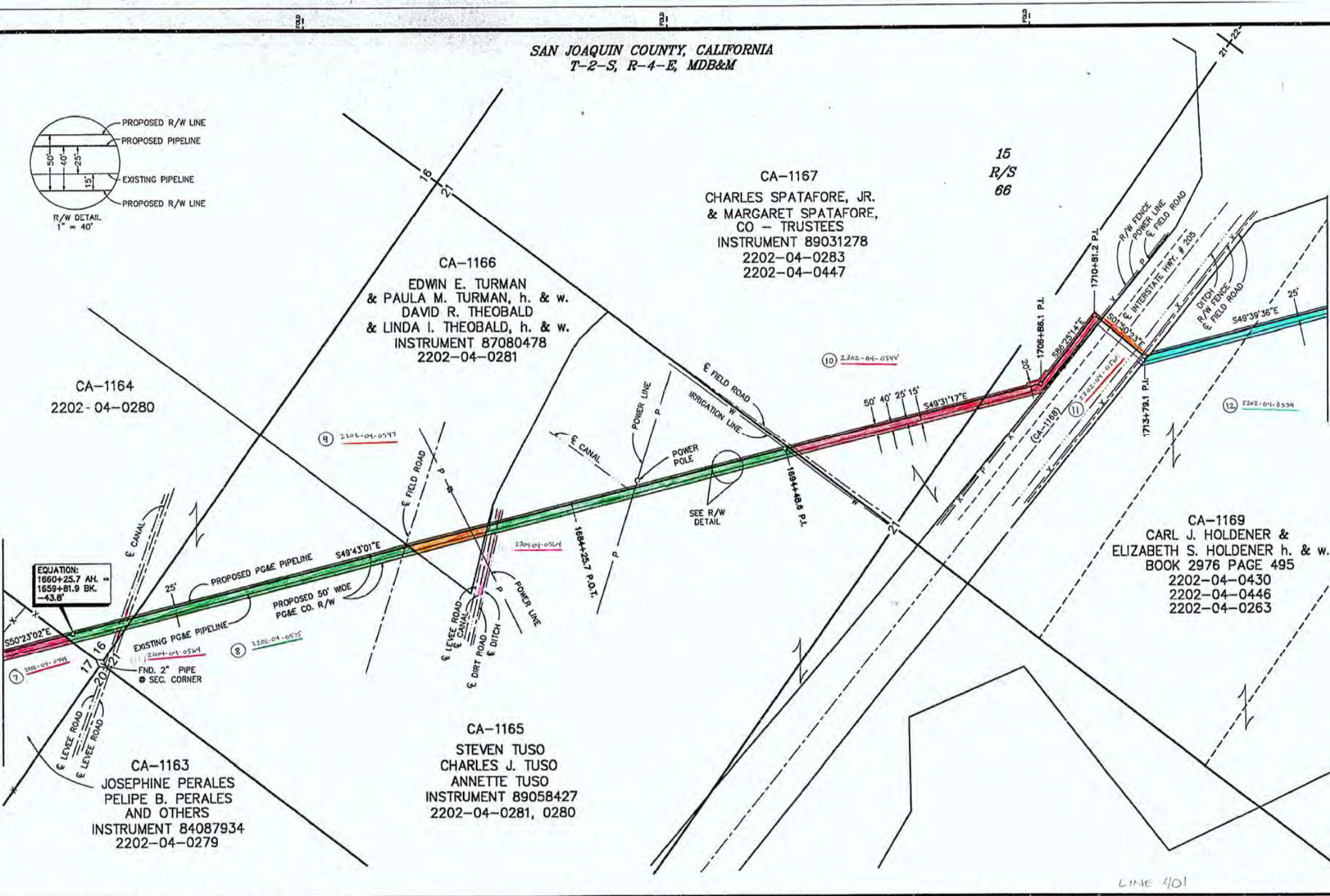
Gas Transmission
Engineering & Operations
Geographic Information Services

1 inch = 1,500 feet (approx.)

0 — 1

Miles

N



MED	CHG.	DISTRIBUTION	CHG.

E DWGS.
E.I. ALIGNMENT SHEET 8677063B
PLAN: 1"=200'

TABLE OF CHANGES

TABLE OF CHANGES

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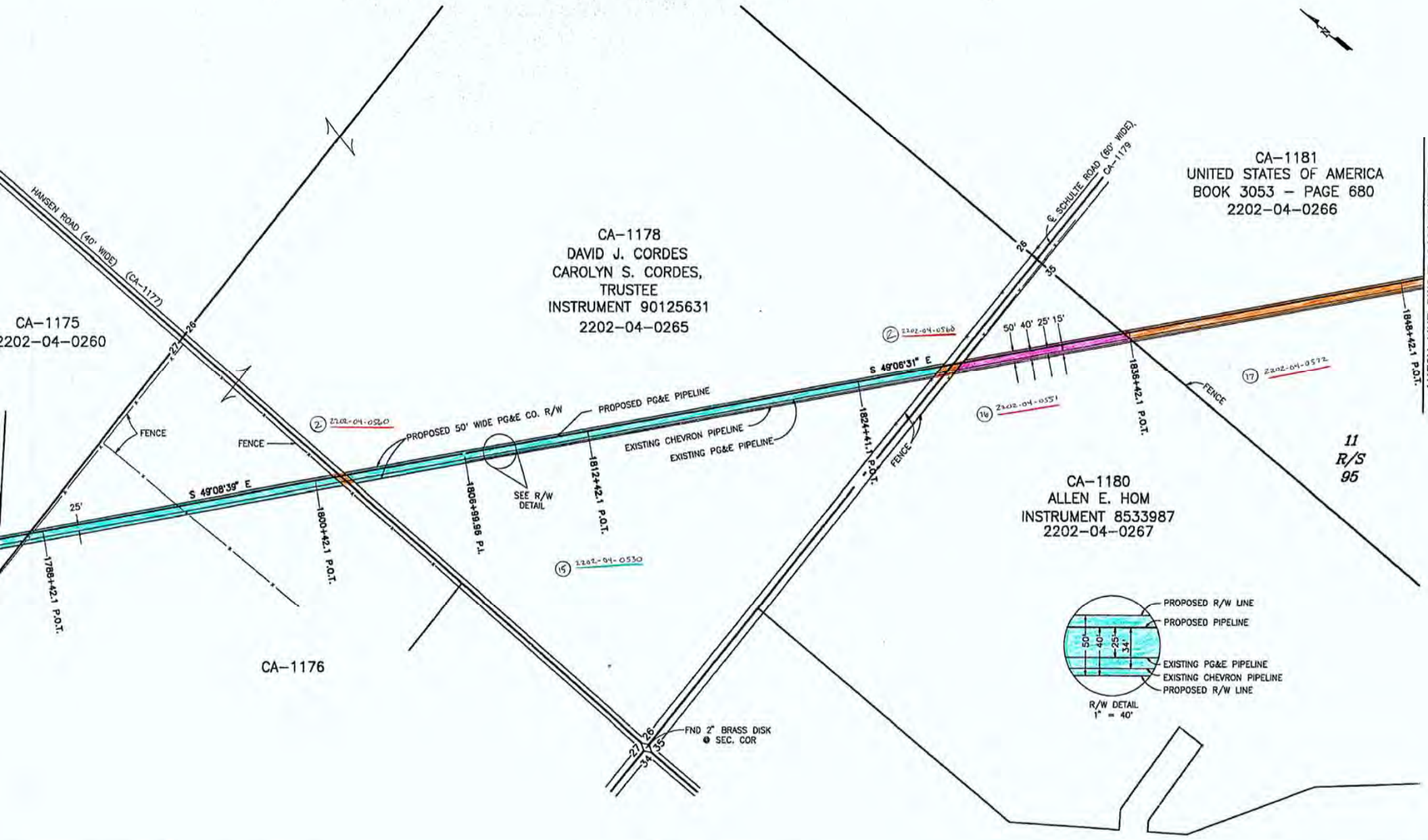
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DU-195617-6
BY U.E.I.
DR. U.E.I.
O.K. [illegible]
DATE 10/03/91

PGT-PG&E PIPELINE EXPANSION PROJECT

PACIFIC GAS AND ELECTRIC COMPANY
SAN FRANCISCO, CALIFORNIA

PROFILE
DETAIL
REGION SAN JO
COUNTY SAN JO
SHEET NO. 5 OF
DRAWING NUMB
Z-0401

SAN JOAQUIN COUNTY, CALIFORNIA
T-2-S, R-4-E, MDB&M



ED	CHG.	DISTRIBUTION	CHG.

DWGS.
IGNMENT SHEET 86770638 & 8677064F
PLAN: 1"=200'

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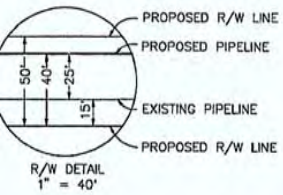
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	GM 195617-6
BY	U.E.I.
DR.	U.E.I.
O.K.	WB
DATE	10/05/91

PGT-PG&E PIPELINE EXPANSION PROJECT

PACIFIC GAS AND ELECTRIC COMPANY
SAN FRANCISCO, CALIFORNIA

PROFILE
DETAIL
REGION SAN J
COUNTY SAN J
SHEET NO. 7 OF
DRAWING NUMBER
Z-0401

SAN JOAQUIN COUNTY, CALIFORNIA
T-2-S, R-4-E, MDB&M



10 P.M. 87

CA-1175

CA-1173
AMERICAN BUILDING COMPONENTS
INSTRUMENT 89040462
2202-04-0270
2202-04-0263

CA-1172
STANDARD PACIFIC GAS LINE INC.
BOOK 1576 PAGE 589
2202-04-0270
2202-04-0263

CA-1174
DAVID J. CORDES
CAROLYN S. CORDES,
TRUSTEE
INSTRUMENT 90125631
2202-04-0263
2202-04-0260

CA-1169
CARL J. HOLDENER
ELIZABETH S. HOLDENER
BOOK 2976 PAGE 495
2202-04-0430
2202-04-0446
2202-04-0263

INTERSTATE HIGHWAY NO. 205
℄ FABIAN ROAD (ABANDONED COUNTY ROAD)
FENCE
U/G IRRIGATION LINE
℄ FIELD ROAD
FENCE
TOWER
TOWER
POWER LINE
POWER LINE
PROPOSED 50' WIDE PG&E R\W
EXISTING PG&E PIPELINE
PROPOSED PG&E PIPELINE
S 49°08'39" E
50' 40' 25' 15'
25'
1729+75.2 P.I.
1730+66.1 P.I.
1730+84.0 AH. P.I.
1731+06.7 BK. P.I.
1726+99.7 P.I.
1740+23.1 P.I.
1752+42.1 P.O.T.
1764+42.1 P.O.T.
1778+42.1 P.O.T.
PG&E CA-1170
POWER POLE
℄ FIELD ROAD
S 61°42'27" E
S 49°39'36" E
S 33°22'57" E
S 00°15'47" W
FENCE
℄ PATTERSON PASS ROAD (60' R\W) (CA-1171)
℄ DITCH
FND. 1" I.R.
SEE R/W DETAIL
2202-04-0525
2202-04-0530
2202-04-0539
2202-04-0540
2202-04-0541
2202-04-0542
22
21
27
28

ED	CHG.	DISTRIBUTION	CHG.

DWGS.
ALIGNMENT SHEET #8677063B
PLAN: 1"=200'

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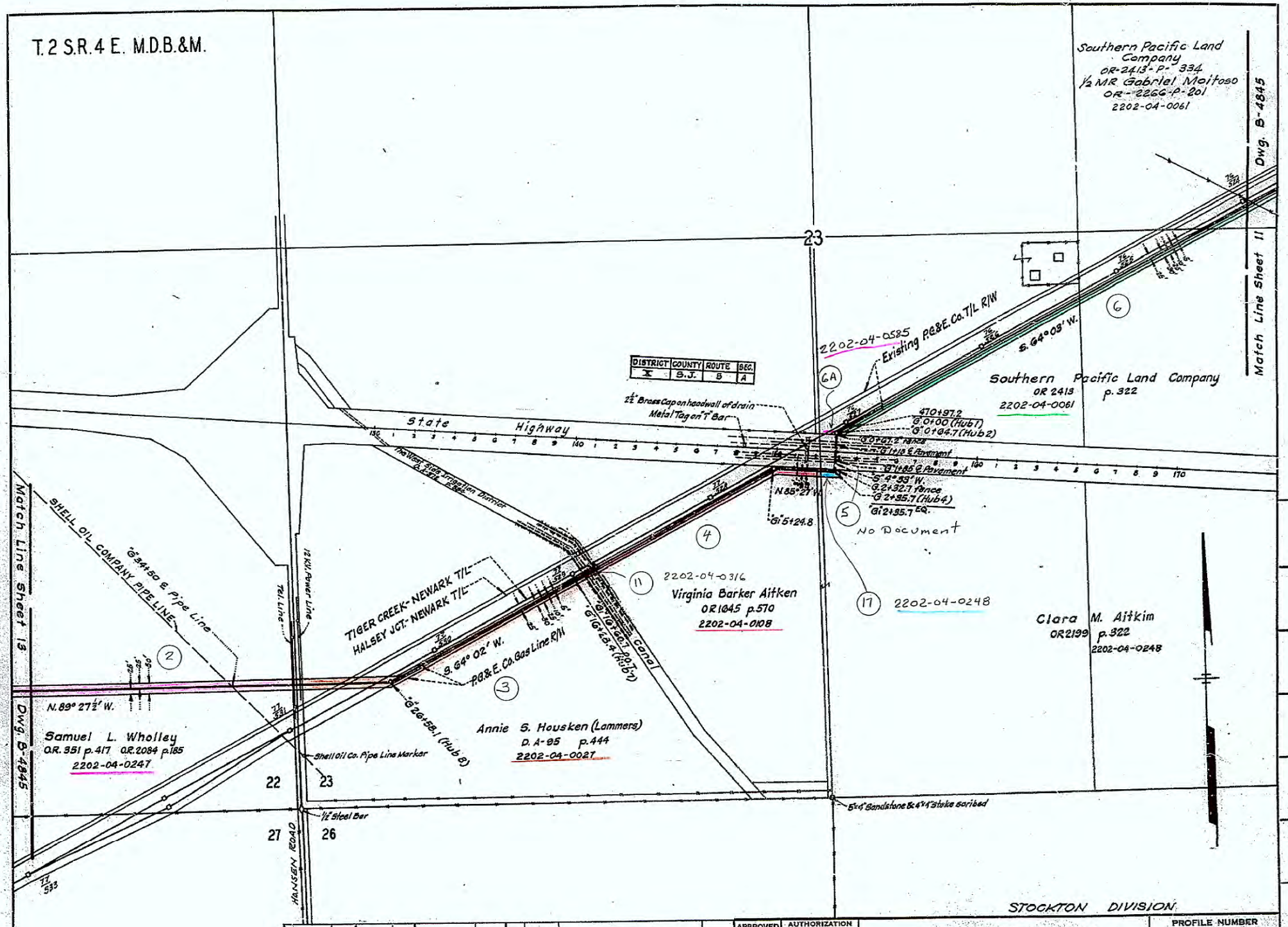
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BY	UD
DR.	UD
O.K.	[illegible]
DATE	10/04/91

PGT-PG&E PIPELINE EXPANSION PROJECT

PACIFIC GAS AND ELECTRIC COMPANY
SAN FRANCISCO, CALIFORNIA

PROFILE
DETAIL
REGION SAN
COUNTY SAN
SHEET NO. 6
DRAWING NUMBER Z-0401



NO.	DATE	DESCRIPTION	APPRD.
2	8-24-62	Office Line Chg Sta 0+23.57 to G 1+60.7 Sta 0+28.4 to G 1+28.4	GFH
1	7-17-62	Added S.P. Land Co. - ½ NE¼ Sec. 23	GFH

609 SEARCHES SEC. | 403 COMPS. SEC. | 1025 FIELD BOOK SEC.

TABLE OF CHANGES

APPROVED BY

AUTHORIZATION G.M. 155370

BY K. Brantley
DR. A.H.P. TR. AL
CH. G.F.H.
O.K. G.F.H.
DATE 7-9-62

SCALES 1"=200'

LATHROP-TRACY REGULATING STATION GAS LINE

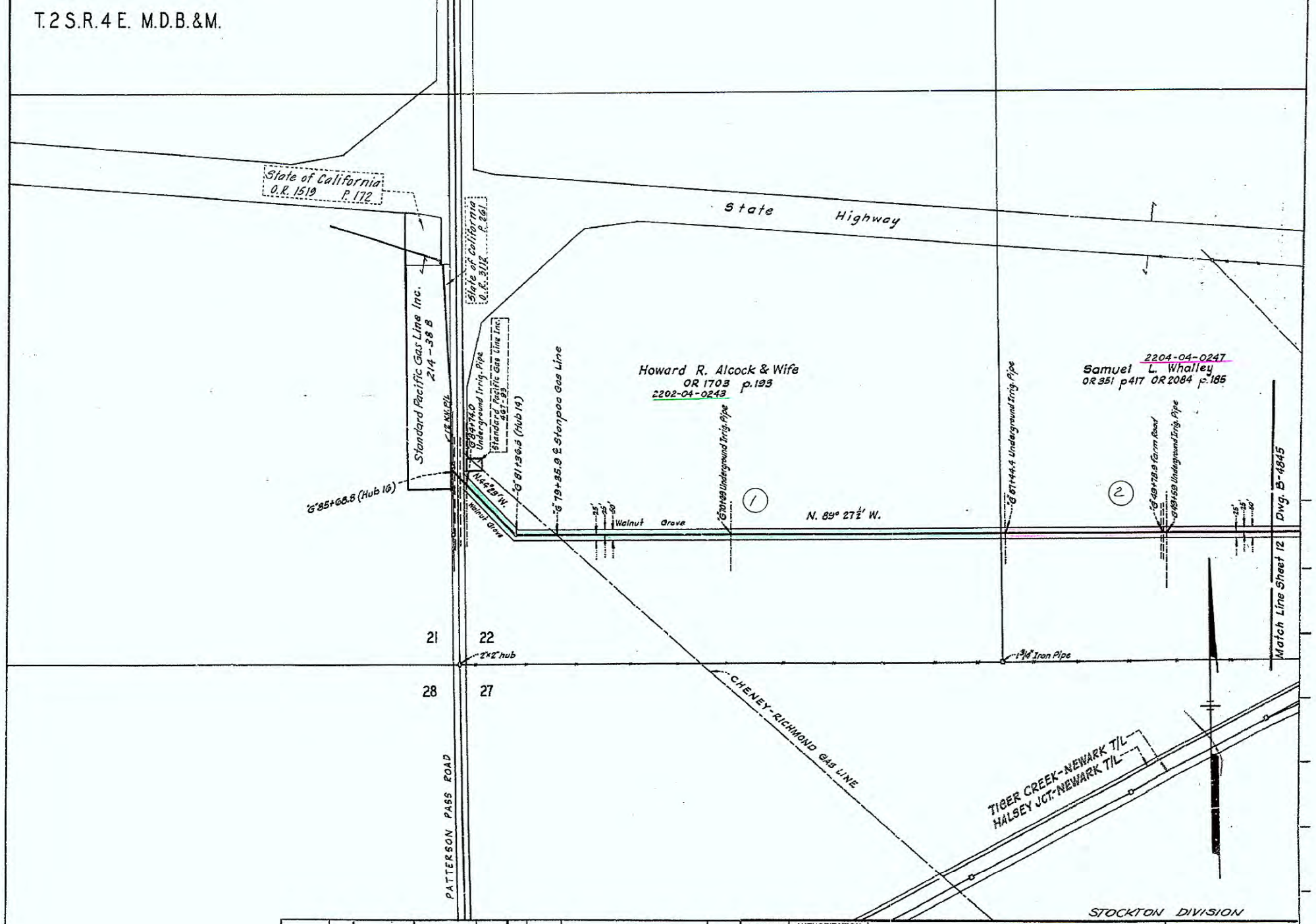
PACIFIC GAS AND ELECTRIC COMPANY
SAN FRANCISCO, CALIFORNIA

PROFILE NUMBER

SUPERSEDES
SUPERSEDED BY

SHEET NO. 12 OF 13 SHEETS

DRAWING NUMBER B-4845 2 CHANGE



SEARCHES	SEC.	COMPS.	SEC.	FIELD BOOK	SEC.
609		403		1025	

TABLE OF CHANGES

NO.	DATE	DESCRIPTION	APPRD.
1	10-13-75	State of Calif. Property Added	L.E.

APPROVED BY

AUTHORIZATION G.M. 153370

BY K. Bromley
DR. A.M.P. TR. AL
CH. G.F.H.
O.K. G.F.H.
DATE 7-9-82

SCALES 1"=300'

LATHROP-TRACY REGULATING STATION GAS LINE

PACIFIC GAS AND ELECTRIC COMPANY
SAN FRANCISCO, CALIFORNIA

PROFILE NUMBER

SUPERSEDES
SUPERSEDED BY

SHEET NO. 13 of 18 SHEETS

DRAWING NUMBER B-4845

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K&E 163 400 6-62

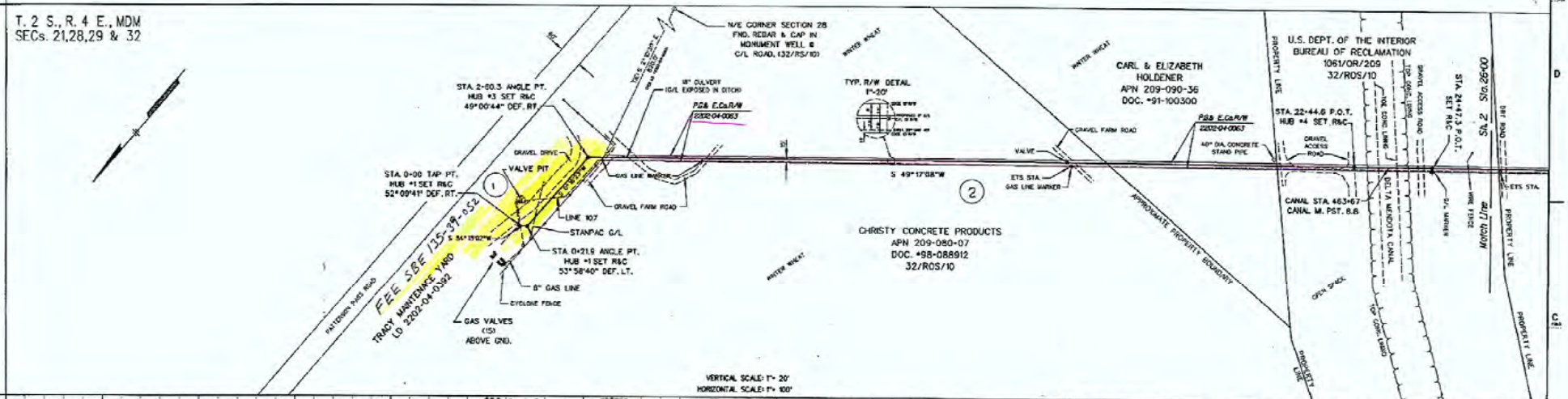
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	3			
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	8			
	9			
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	11			
	12			
	13			

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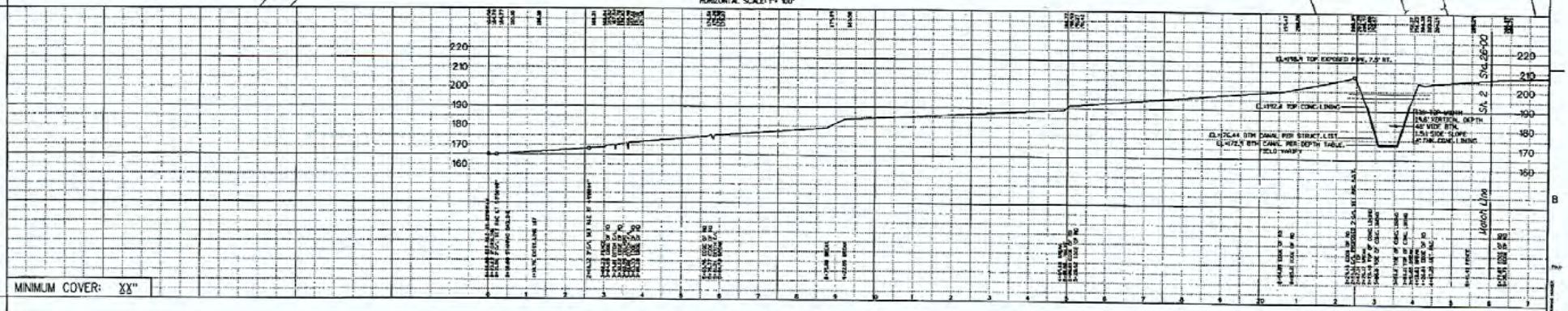
R/W NO. CONVEYANCE PARCELS

HORIZONTAL CONTROL REFERENCE POINTS (RP) MONUMENTS ON THE WEST LINE OF EQUALON PARCEL AP #209-090-02

T. 2 S., R. 4 E., MDM
SECs. 21,28,29 & 32



VERTICAL SCALE: 1"= 20'
HORIZONTAL SCALE: 1"= 100'



MINIMUM COVER: XX"

SURVEY PEDIGREE
DRAWING SS-111 SHT. 1 OF 4
ELEVATION DATUM IS USGS of the INTERIOR BUREAU OF RECLAMATION, TOP 8.9".
BASIS OF BEARINGS BASED ON MONUMENTED LINE AS SHOWN ON RECORDS.
LOCATION OF BENCH MARK WAS POST NO.7, DELTA MENDOTA CANAL N.T. SEE IN FIELD.

PIPELINE DETAILS STANDARD

B/M ITEM NO. ___ DESIGN CRITERIA	B/M ITEM NO. ___ DESIGN CRITERIA	B/M ITEM NO. ___ DESIGN CRITERIA	B/M ITEM NO. ___ DESIGN CRITERIA
LOCATION CLASS ___	LOCATION CLASS ___	LOCATION CLASS ___	LOCATION CLASS ___
DESIGN FACTOR ___	DESIGN FACTOR ___	DESIGN FACTOR ___	DESIGN FACTOR ___
D.F. ___ X SMYS ___	D.F. ___ X SMYS ___	D.F. ___ X SMYS ___	D.F. ___ X SMYS ___
MAOP ___ X SMYS ___	MAOP ___ X SMYS ___	MAOP ___ X SMYS ___	MAOP ___ X SMYS ___
STRENGTH TEST PRESSURE	STRENGTH TEST PRESSURE	STRENGTH TEST PRESSURE	STRENGTH TEST PRESSURE
MAX. ___ PSIG ___ X SMYS	MAX. ___ PSIG ___ X SMYS	MAX. ___ PSIG ___ X SMYS	MAX. ___ PSIG ___ X SMYS
MIN. ___ PSIG ___ X SMYS	MIN. ___ PSIG ___ X SMYS	MIN. ___ PSIG ___ X SMYS	MIN. ___ PSIG ___ X SMYS
PSIG=XX SMYS	PSIG=XX SMYS	PSIG=XX SMYS	PSIG=XX SMYS
TEST FLUID ___	TEST FLUID ___	TEST FLUID ___	TEST FLUID ___
PIPE SPEC ___	PIPE SPEC ___	PIPE SPEC ___	PIPE SPEC ___
O.D. ___	O.D. ___	O.D. ___	O.D. ___
W.T. ___	W.T. ___	W.T. ___	W.T. ___
WELD INSPECTION (GAS STD.D-401)	WELD INSPECTION (GAS STD.D-401)	WELD INSPECTION (GAS STD.D-401)	WELD INSPECTION (GAS STD.D-401)
RADIOGRAPHIC: ☐20% MIN. ☐NONE	RADIOGRAPHIC: ☐20% MIN. ☐NONE	RADIOGRAPHIC: ☐20% MIN. ☐100%	RADIOGRAPHIC: ☐20% MIN. ☐100%
VISUALLY INSPECT A MINIMUM OF 20% OF ALL WELDS NOT RADIOGRAPHICALLY INSPECTED (WELDS EVEN IF NO RADIOGRAPHIC INSPECTION IS REQUIRED).	VISUALLY INSPECT A MINIMUM OF 20% OF ALL WELDS NOT RADIOGRAPHICALLY INSPECTED (WELDS EVEN IF NO RADIOGRAPHIC INSPECTION IS REQUIRED).	VISUALLY INSPECT A MINIMUM OF 20% OF ALL WELDS NOT RADIOGRAPHICALLY INSPECTED (WELDS EVEN IF NO RADIOGRAPHIC INSPECTION IS REQUIRED).	VISUALLY INSPECT A MINIMUM OF 20% OF ALL WELDS NOT RADIOGRAPHICALLY INSPECTED (WELDS EVEN IF NO RADIOGRAPHIC INSPECTION IS REQUIRED).

EXISTING PIPE SPECIFICATIONS
HEADER SIZE ___
PIPE SPEC-S ___
WALL THICKNESS ___
PRESENT MAOP ___
% SMYS @ MAOP ___
MAXIMUM ALLOWABLE PRESSURE DURING WELDING (GAS A-08)
ALL WELDING TO BE PERFORMED IN ACCORDANCE WITH GAS STD D-401

WELDING INSPECTOR PER PG&E GAS STANDARD D-40
BY ___ INSPECTOR

NOTE: TOTAL ELEVATION CHANGE = XXX.5 FT. SEE STRENGTH TEST PRESSURE WORKSHEET FOR STATIC HEAD PRESS. CALCULATION.

CALL BEFORE YOU DIG
1-800-227-2600
UNDERGROUND SERVICE ALERT

WELDING REQUIREMENTS
ALL WELDING IS TO BE PERFORMED IN ACCORDANCE WITH GAS STANDARD D-22

PAINTING AND WRAPPING REQUIREMENTS
ALL EXPOSED PIPE AND FITTINGS ARE TO BE PAINTED IN ACCORDANCE WITH GAS STANDARD D-35

ALL BURIED PIPE AND FITTINGS ARE TO BE COATED IN ACCORDANCE WITH GAS STANDARD D-28 OR D-29

WELDING VALVES AND FITTINGS
WHEN VALVES AND FITTINGS ARE WELDED TO EACH OTHER OR TO PIPE OF 20% OR MORE SMYS STRESS, WELD ON THE BODY IN ADDITION TO THE OUTSIDE WELD THIS REQUIREMENT APPLIES TO ALL WELDS BETWEEN VALVES AND FITTINGS AND BETWEEN VALVES AND GATE OR BY VALLEY STRUCTURES WHEN PRACTICAL.

HYDROSTATIC TEST REQUIREMENTS
HYDROSTATIC TESTING SHALL MEET PRESSURE AND DURATION REQUIREMENTS OF GAS STANDARD A-5.4, AND SHALL BE CONDUCTED IN ACCORDANCE WITH GAS STANDARD A-37.

NOTES:
1. GAS USA AT LEAST TWO WORKING DAYS PRIOR TO EXCAVATION (800-227-2600).
2. LOCATIONS OF EXISTING SUBSTRUCTURES ARE APPROXIMATE. BEFORE WORK OR MAJOR EXCAVATION IS PERFORMED, THE EXACT LOCATION OF SUBSTRUCTURES SHALL FIRST BE DETERMINED BY HAND EXCAVATION IF NECESSARY.
3. ALL VALVE AND SWITCH BOX MARK CENTER WORK ELEVATIONS ARE NOTED. FIELD BOND SHALL BE MADE IN ACCORDANCE WITH GAS STANDARD A-18 SECTION 4.4.3.
4. ALL ANGLES SHOWN & THE PLAN AND PROFILE ARE APPROXIMATE AND SHALL BE CUT TO SUIT FIELD CONDITION.
5. TWO SPARE WIRES SHALL BE INSTALLED WITH AT LEAST 6 INCHES OF CLEARANCE FROM ANY OTHER CONDUCTOR STRUCTURE NOT ASSOCIATED WITH THE PIPELINE.

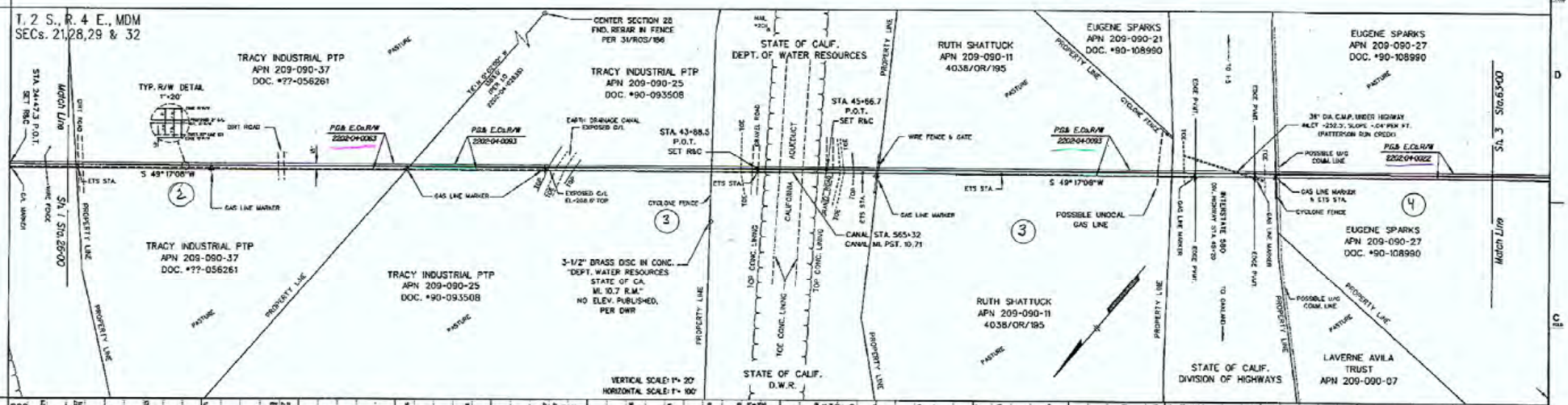
REFERENCE DRAWINGS:

NO.	DATE	DESCRIPTION	CHK'D	APVD
		REVISIONS		

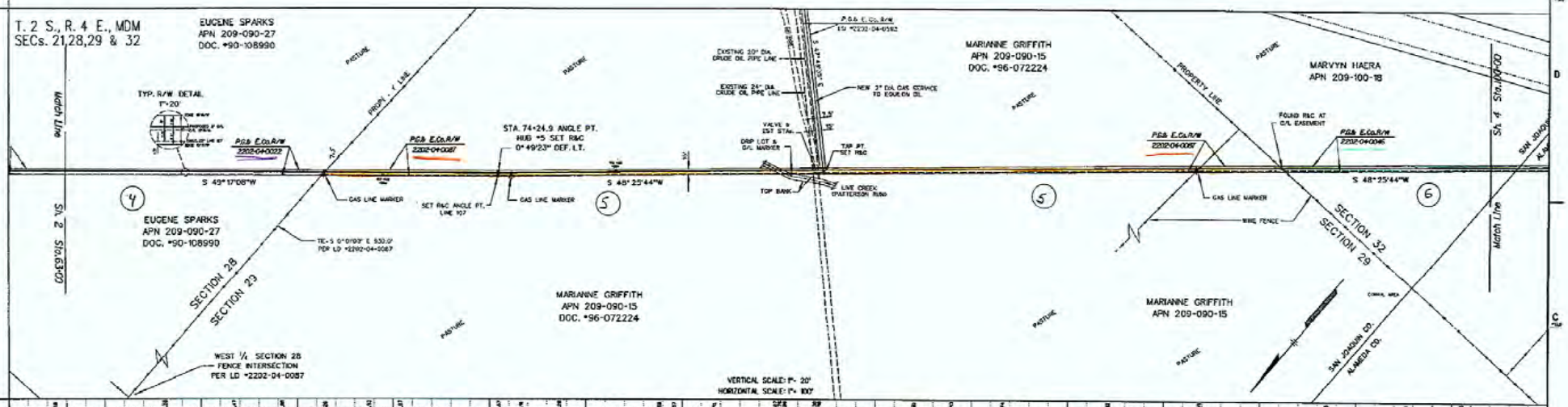
APPROVED BY	7020150
CHIEF ENGINEER	
DESIGN	
CIVIL STANDARDS	
ELECTRICAL	
PIPELINE	
DRAFTING	
SCALES	AS NOTED

LINE 107
TRACY STATION TO MUSCO OLIVE
SAN JOAQUIN-ALAMEDA COUNTIES - STOCKTON DIV.
GAS SUPPLY
PACIFIC GAS AND ELECTRIC COMPANY
SAN FRANCISCO, CALIFORNIA

JOB	
DWG. LIST	
SUPSDS	
COUNTY	SAN JOAQUIN/ALAMEDA
SHEET NO.	1 OF 4 SHEETS
SS-111	REV.


T. 2 S., R. 4 E., MDM
SECs. 21,28,29 & 32
TRACY INDUSTRIAL PTP
APN 209-090-37
DOC. #77-056261
TRACY INDUSTRIAL PTP
APN 209-090-25
DOC. #90-093508
STATE OF CALIF.
DEPT. OF WATER RESOURCES
RUTH SHATTUCK
APN 209-090-11
4038/OR/195
EUGENE SPARKS
APN 209-090-21
DOC. #90-108990
EUGENE SPARKS
APN 209-090-27
DOC. #90-108990
LAVERNE AVILA
TRUST
APN 209-090-07
STATE OF CALIF.
DIVISION OF HIGHWAYS
STATE OF CALIF.
D.W.R.
POSSIBLE UNOCAL
GAS LINE
CENTER SECTION 28
FND. REBAR IN FENCE
PER 31/ROS/186
3-1/2" BRASS DISC IN CONC.
"DEPT. WATER RESOURCES
STATE OF CA.
ML 10.7 R.M."
NO ELEV. PUBLISHED,
PER DWR
VERTICAL SCALE: 1"= 20'
HORIZONTAL SCALE: 1"= 100'
Match Line
Sh 1 Sta 280+00
Sh 3 Sta 63+00
Sh 3 Sta 60+00
MINIMUM COVER: XX"

EXISTING PIPE SPECIFICATIONS
WELDING INSPECTED PER PG&E GAS STANDARD D-40
BY _____ INSPECTOR
CALL BEFORE YOU DIG
1-800-227-2600
UNDERGROUND SERVICE ALERT
REFERENCE DRAWINGS:
NOTES:
LINE 107
TRACY STATION TO MOSSO CLOVE
SAN JOAQUIN-ALAMEDA COUNTIES - STOCKTON DIV.
GAS SUPPLY
PACIFIC GAS AND ELECTRIC COMPANY
SAN FRANCISCO, CALIFORNIA



ITEM NO.	QUANTITY	DESCRIPTION	DRAWING REFERENCE	OTHER DATA
1				
2				
3				
4				
5				
6				
7				
8				
9				
10				
11				
12				

REFERENCE DETAILS

R/W NO. OWNERSHIP PARCEL

HORIZONTAL CONTROL-REFERENCE POINTS (RP) MONUMENTS ON THE WEST LINE OF ISOLATION PARCEL RP #209-100-02

DRAWING BY: H.I.SVS. 5 OF 4
ELEVATION DATUM U.S. DEPT. of the INTERIOR, BUREAU OF RECLAMATION "TAP" B.S.T.
BASIS OF BEARING BASED ON N 0°49'35" W, SAN JOAQUIN CO. RECORDS.
LOCATION OF BENCH MARK MILE POST B.7, DELTA MENDOTA CANAL, INT. SIDE IN FENCE.

PHYSICAL DETAILS & WARNING

B/M ITEM NO. ____ DESIGN CRITERIA	B/M ITEM NO. ____ DESIGN CRITERIA	B/M ITEM NO. ____ DESIGN CRITERIA	B/M ITEM NO. ____ DESIGN CRITERIA
LOCATION CLASS ____	LOCATION CLASS ____	LOCATION CLASS ____	LOCATION CLASS ____
DESIGN FACTOR ____	DESIGN FACTOR ____	DESIGN FACTOR ____	DESIGN FACTOR ____
D.F. ____ .7 SMYS ____	D.F. ____ .X SMYS ____	D.F. ____ .X SMYS ____	D.F. ____ .X SMYS ____
MAOP ____ .X SMYS ____	MAOP ____ .X SMYS ____	MAOP ____ .X SMYS ____	MAOP ____ .X SMYS ____
STRENGTH TEST PRESSURE	STRENGTH TEST PRESSURE	STRENGTH TEST PRESSURE	STRENGTH TEST PRESSURE
MAX. ____ PSIG ____ .X SMYS	MAX. ____ PSIG ____ .X SMYS	MAX. ____ PSIG ____ .X SMYS	MAX. ____ PSIG ____ .X SMYS
MIN. ____ PSIG ____ .X SMYS	MIN. ____ PSIG ____ .X SMYS	MIN. ____ PSIG ____ .X SMYS	MIN. ____ PSIG ____ .X SMYS
____ PSIG-10Hr SMYS	____ PSIG-8Hr SMYS	____ PSIG-8Hr SMYS	____ PSIG-8Hr SMYS
TEST FLUID ____	TEST FLUID ____	TEST FLUID ____	TEST FLUID ____
PIPE SPEC ____	PIPE SPEC ____	PIPE SPEC ____	PIPE SPEC ____
O.D. ____	O.D. ____	O.D. ____	O.D. ____
W.T. ____	W.T. ____	W.T. ____	W.T. ____
WELD INSPECTION %GAS STD.D-401-	WELD INSPECTION %GAS STD.D-401-	WELD INSPECTION %GAS STD.D-401-	WELD INSPECTION %GAS STD.D-401-
(RADIOGRAPHIC) @20# MIN. @100#	(RADIOGRAPHIC) @20# MIN. @100#	(RADIOGRAPHIC) @20# MIN. @100#	(RADIOGRAPHIC) @20# MIN. @100#
-VISUALLY INSPECT A MINIMUM OF 20% OF ALL WELDS NOT RADIOGRAPHICALLY INSPECTED (SAMPLES EVEN IF NO RADIOGRAPHIC INSPECTION IS REQUIRED).	-VISUALLY INSPECT A MINIMUM OF 20% OF ALL WELDS NOT RADIOGRAPHICALLY INSPECTED (SAMPLES EVEN IF NO RADIOGRAPHIC INSPECTION IS REQUIRED).	-VISUALLY INSPECT A MINIMUM OF 20% OF ALL WELDS NOT RADIOGRAPHICALLY INSPECTED (SAMPLES EVEN IF NO RADIOGRAPHIC INSPECTION IS REQUIRED).	-VISUALLY INSPECT A MINIMUM OF 20% OF ALL WELDS NOT RADIOGRAPHICALLY INSPECTED (SAMPLES EVEN IF NO RADIOGRAPHIC INSPECTION IS REQUIRED).

EXISTING PIPE SPECIFICATIONS
PIPE SPEC-S. ____
WALL THICKNESS ____
PRESENT MAOP ____
% SMYS @ MAOP ____
MAXIMUM ALLOWABLE PRESSURE DURING WELDING (SEE A-66)

WELDING INSPECTED PER PG&E GAS STANDARD D-40
BY ____ INSPECTOR

NOTE: FINAL ELEVATION CHANGE = XX.X FT. SEE STRENGTH TEST PROTOCOL REPORT FOR STATIC HEAD PRESS. CALCULATION.

CALL BEFORE YOU DIG 1-800-227-2600 UNDERGROUND SERVICE ALERT

WELDING REQUIREMENTS
ALL ARC WELDING IS TO BE PERFORMED IN ACCORDANCE WITH GAS STANDARD D-12.

PAINTING AND WRAPPING REQUIREMENTS
ALL EXPOSED PIPE AND APPURTENANCES TO BE PAINTED IN ACCORDANCE WITH GAS STANDARD D-30.

ALL LIGHT COATING OF BARE PIPE AND FITTINGS ARE TO APPLIED IN ACCORDANCE WITH GAS STANDARDS K-30.

WRAP ALL BURIED PIPE AND FITTINGS IN ACCORDANCE WITH GAS STANDARDS L-24 OR L-25.

WELDING VALVES AND FITTINGS
BUTT WELDING ENDS: VALVES ARE BEVELED TO EACH END OF 30° ± 2½° AND ONE END SHALL HAVE A ½" MIN. LAND. BEVELED ENDS ON FITTINGS ARE IN ACCORDANCE WITH THE OUTSIDE WELD END REQUIREMENTS APPLIED TO ALL VALVES OF DIAMETER AND LARGER AND TO SMALLER DIAMETERS WHEN PRACTICAL.

HYDROSTATIC TEST REQUIREMENTS
INSPECTION, TESTING SHALL MEET PG&E/GAS, AND EQUILON REQUIREMENTS OR GAS STANDARD K-51 AND SHALL BE CONDUCTED IN ACCORDANCE WITH GAS STANDARD K-51.

NOTES:
1. CALL 811 AT LEAST TWO WORKING DAYS PRIOR TO EXCAVATION (800) 227-2600.
2. LOCATIONS OF EXISTING UNDERGROUND UTILITIES ARE APPROXIMATE BEFORE POWER OR HEAVY EQUIPMENT IS USED EXCAVATE BY HAND TO EXPOSE UTILITIES AT AND LOCATIONS OF UNDERGROUND LINES SHALL NOT BE DETERMINED BY USE OF POWER EQUIPMENT.
3. ALL ROADS ARE CROWN FIELD ROADS EXCEPT WHERE CURBS ARE NOTED FIELD ROAD SHALL BE MADE IN ACCORDANCE WITH GAS STANDARD P-36 SECTION 4.4.2.
4. ALL ANGLES SHOWN IN THE PLAN AND PROFILE ARE APPROXIMATE AND SHALL BE USE TO SEE FIELD CONDITION.
5. ALL PIPE SHALL BE INSTALLED WITH A MINIMUM OF 36" COVER UNLESS NOTED OTHERWISE.

REFERENCE DRAWINGS:

NO.	DATE	DESCRIPTION	DRAWN	CHK	DATE	SUPV	APVD BY
		REVISIONS					

APPROVED 7020150
SUPT. MCDONALD
DATE 10/2/06
ENGR. ESCHEVERRIA
BY DONE
CK
DATE 10/2/06
SCALE AS NOTED

LINE 107
TRACY STATION TO MOSS OLIVE
SAN JOAQUIN-ALAMEDA COUNTYS - STOCKTON DIV.
GAS SUPPLY
PACIFIC GAS AND ELECTRIC COMPANY
SAN FRANCISCO, CALIFORNIA

JOB
DWG LIST
SUPER
COUNTY SAN JOAQUIN/ALAMEDA
SHEET NO. 3 OF 4 SHEETS
SS-111
REV

1 2 3 4 5 6 7 8 9 10

LD 2202-04-0606
2000-3503S (06-01-043) 7 01 5
Line 107/Line 222 (Tracy Sta - Telsa Sub)

AFTER RECORDING, RETURN TO:

PACIFIC GAS AND ELECTRIC COMPANY
245 Market Street, N10A, Room 1015
P.O. Box 770000
San Francisco, California 94177

DOC # 2003-269761
11/21/2003 11:27A Fee:25.00
Page 1 of 7 Doc T Tax Paid
Recorded in Official Records
County of San Joaquin
GARY W. FREEMAN
Assessor-Recorder-County Clerk
Paid by SHOWN ON DOCUMENT

Location: ~~City~~/Uninc
Recording Fee $ 22-
Document Transfer Tax $ 2.75
x Computed on Full Value of Property Conveyed, or
o Computed on Full Value Less Liens & Encumbrances Remaining at Time of Sale
Barbara Collignon
Signature of declarant or agent determining tax

Consideration $2500.00

AGREEMENT
MODIFYING AN EASEMENT

RUTH J. SHATTUCK

hereinafter called first party, make this agreement with PACIFIC GAS AND ELECTRIC COMPANY, a California corporation, hereinafter called second party, affecting the lands of first party, situate in the County of San Joaquin, State of California, and described as follows:

(APN 209-090-11)

The parcel of land described in the deed from Boyd L. Shattuck to Ruth J. Shattuck, dated October 1, 1975 and recorded in Book 4038 of Official Records at page 195, San Joaquin County Records

Second party is the owner of the following right of way and easement across first party's said lands:

The right of way and easement described in the deed from Mary E. Maloney to Pacific Gas & Electric Company, dated December 11, 1929 and recorded in Book of Official Records Volume 309 at page 27, San Joaquin County Records.

P.G.&E. CO. COPY

This agreement is made for the purpose of:

(a) increasing the width of said right of way and easement as described in said deed dated December 11, 1929 which crosses said lands;

(b) acquiring certain additional rights.

NOW, THEREFORE, the parties hereto agree as follows:

A. The portion of right of way and easement as described in said deed dated December 11, 1929 lying within the boundary lines of said lands shall be widened from a right of way and easement of the uniform width of 15 feet to a right of way and easement of the uniform width of 65 feet lying 7.5 feet on the southeasterly side and 57.5 feet on the northwesterly side of the line described in said deed dated December 11, 1929.

B. Second party shall have the additional right from time to time to excavate for, install, replace (of the initial or any other size), maintain and use such underground wires, cables, conduits, appliances, fixtures and appurtenances, as second party shall from time to time elect for communication purposes.

C. Second party shall have the right from time to time to trim and to cut down and clear away or otherwise destroy any and all trees and brush now or hereafter on said right of way and easement, as herein modified, and to trim and to cut down and clear away any trees on each side of said right of way and easement, as herein modified, which now or hereafter in the opinion of second party may be a hazard to the facilities installed hereunder by reason of the danger of falling thereon, or may interfere with the exercise of second party's rights hereunder; provided, however, that all trees which second party is hereby authorized to cut and remove, if valuable for timber or wood, shall continue to be the property of Grantor, but all branches, brush, and refuse wood shall be burned, removed, or chipped and scattered, by second party.

D. Second party shall have the right to mark the location of said right of way and easement, as herein modified, by suitable markers set in the ground; provided that said markers shall be placed in fences or other locations which will not interfere with any reasonable use first party shall make of said right of way and easement, as herein modified.

E. Second party shall have the right to install, maintain and use gates in all fences which now cross or shall hereafter cross said right of way and easement, as herein modified.

F. First party shall have the right to use said right of way and easement, as herein modified, for purposes which will not interfere with second party's full enjoyment of the rights hereby granted; provided that first party shall not erect or construct any building or other structure, or drill or operate any well, or construct any reservoir or other obstruction within said right of way and easement as herein modified, or diminish or substantially add to

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the ground cover over said facilities, or plant trees, shrubs or vines. First party shall not construct any fences within said right of way and easement without second party's written permission which shall not be unreasonably withheld.

G. Second party shall indemnify first party against any loss and damage which shall be caused by any wrongful act or negligent act or omission by first party or of its agents or employees in the course of their employment, provided, however, that this indemnity shall not extend to that portion of such loss or damage that shall have been caused by first party's comparative negligence or willful misconduct.

NOW, THEREFORE, in consideration of the foregoing and for good and valuable consideration paid to first party by second party, the receipt of which is hereby acknowledged, the parties hereto agree that the right of way and easement set forth in said deed dated December 11, 1929 shall be modified in the manner and to the extent hereinbefore stated and first party does hereby grant to second party the rights necessary to effect such modification.

Except as expressly set forth herein, this agreement shall not in any way alter, modify, or terminate any provision of said deed dated December 11, 1929.

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This agreement shall inure to the benefit of and bind the successors and assigns of the respective parties hereto.

IN WITNESS WHEREOF the parties hereto have executed this agreement this 4 day of November, 2003.

First Party:

Ruth J. Shattuck

Second Party:

PACIFIC GAS & ELECTRIC COMPANY,
a California corporation

By

GARBAGE BLOCK PER ADVISORY BULLETIN NO. 2002-06
Northern Region
Sacramento Land Service Office
Operating Department - Gas Transmission
T2S, R4E MDB&M (SE ¼ Sec 21, Sec 28, SE ¼ Sec 29, Sec 32)
Ref Dwg: SZ-079, SL-387, SS-111
AF: 2202-04-0093
TYPE OF INTEREST: (5), (52)
Order #: 6088443
JCN: 06-01-043
County: San Joaquin
Prepared By: syl3
Checked By: tep4
Revision Number 4 (7-29-03) syt
Revision Number 5 (9-29-03) syt

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11/21/2003 11:27A
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CALIFORNIA ALL-PURPOSE ACKNOWLEDGMENT

State of California
County of San Joaquin } ss.

On Nov 4, 2003 (Date) before me, Michele A. Todd, (Name and Title of Officer (e.g., "Jane Doe, Notary Public"))
personally appeared Ruth J. Shattuck (Name(s) of Signer(s)),

☐ personally known to me
☒ proved to me on the basis of satisfactory evidence

to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

MICHELE A. TODD
Comm. # 1432748
NOTARY PUBLIC - CALIFORNIA
San Joaquin County
My Comm. Expires July 29, 2007

WITNESS my hand and official seal.

Michele A. Todd
Signature of Notary Public

OPTIONAL

Though the information below is not required by law, it may prove valuable to persons relying on the document and could prevent fraudulent removal and reattachment of this form to another document.

Description of Attached Document

Title or Type of Document: Agreement Modifying an Easement
Document Date: November 4, 2003 Number of Pages: 5
Signer(s) Other Than Named Above: _____

Capacity(ies) Claimed by Signer

Signer's Name: _____

RIGHT THUMBPRINT OF SIGNER
Top of thumb here

☐ Individual
☐ Corporate Officer — Title(s): _____
☐ Partner — ☐ Limited ☐ General
☐ Attorney-in-Fact
☐ Trustee
☐ Guardian or Conservator
☐ Other: _____

Signer Is Representing: _____

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CALIFORNIA ALL-PURPOSE ACKNOWLEDGMENT

State of California

County of Sacramento

On Nov. 13, 2003 (Date) before me, Keith J. Lamb, Notary (Name and Title of Officer (e.g., "Jane Doe, Notary Public"))

personally appeared Ettore M. Minor (Name(s) of Signer(s))

☒ personally known to me – **OR** – ☐ proved to me on the basis of satisfactory evidence to be the person~~(s)~~ whose name~~(s)~~ is/~~are~~ subscribed to the within instrument and acknowledged to me that he/~~she/they~~ executed the same in his/~~her/their~~ authorized capacity~~(ies)~~, and that by his/~~her/their~~ signature~~(s)~~ on the instrument the person(s), or the entity upon behalf of which the person~~(s)~~ acted, executed the instrument.

Keith J. Lamb
Commission # 1443124
Notary Public - California
Sacramento County
My Comm. Expires Oct 29, 2007

WITNESS my hand and official seal.

Keith J. Lamb
Signature of Notary Public

OPTIONAL

Though the information below is not required by law, it may prove valuable to persons relying on the document and could prevent fraudulent removal and reattachment of this form to another document.

Description of Attached Document

Title or Type of Document: _____

Document Date: _____ Number of Pages: _____

Signer(s) Other Than Named Above: _____

Capacity(ies) Claimed by Signer(s)

Signer's Name: _____	Signer's Name: _____
☐ Individual	☐ Individual
☐ Corporate Officer Title(s): _____	☐ Corporate Officer Title(s): _____
☐ Partner — ☐ Limited ☐ General	☐ Partner — ☐ Limited ☐ General
☐ Attorney-in-Fact	☐ Attorney-in-Fact
☐ Trustee	☐ Trustee
☐ Guardian or Conservator	☐ Guardian or Conservator
☐ Other: _____	☐ Other: _____
RIGHT THUMBPRINT OF SIGNER Top of thumb here	RIGHT THUMBPRINT OF SIGNER Top of thumb here
Signer Is Representing:	Signer Is Representing:

© 1994 National No...

2003-269761 Prod. No. 5907 Reorder: Call Toll-Free 1-800-876-6827
11/21/2003 11:27A
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ILLEGIBLE NOTARY SEAL DECLARATION
(GC 27361.7 and CCP 2015.5)

Name of Notary: Keith J. Lamb

Date Commission Expires: Oct 29, 2007

Commission Number: 1443124

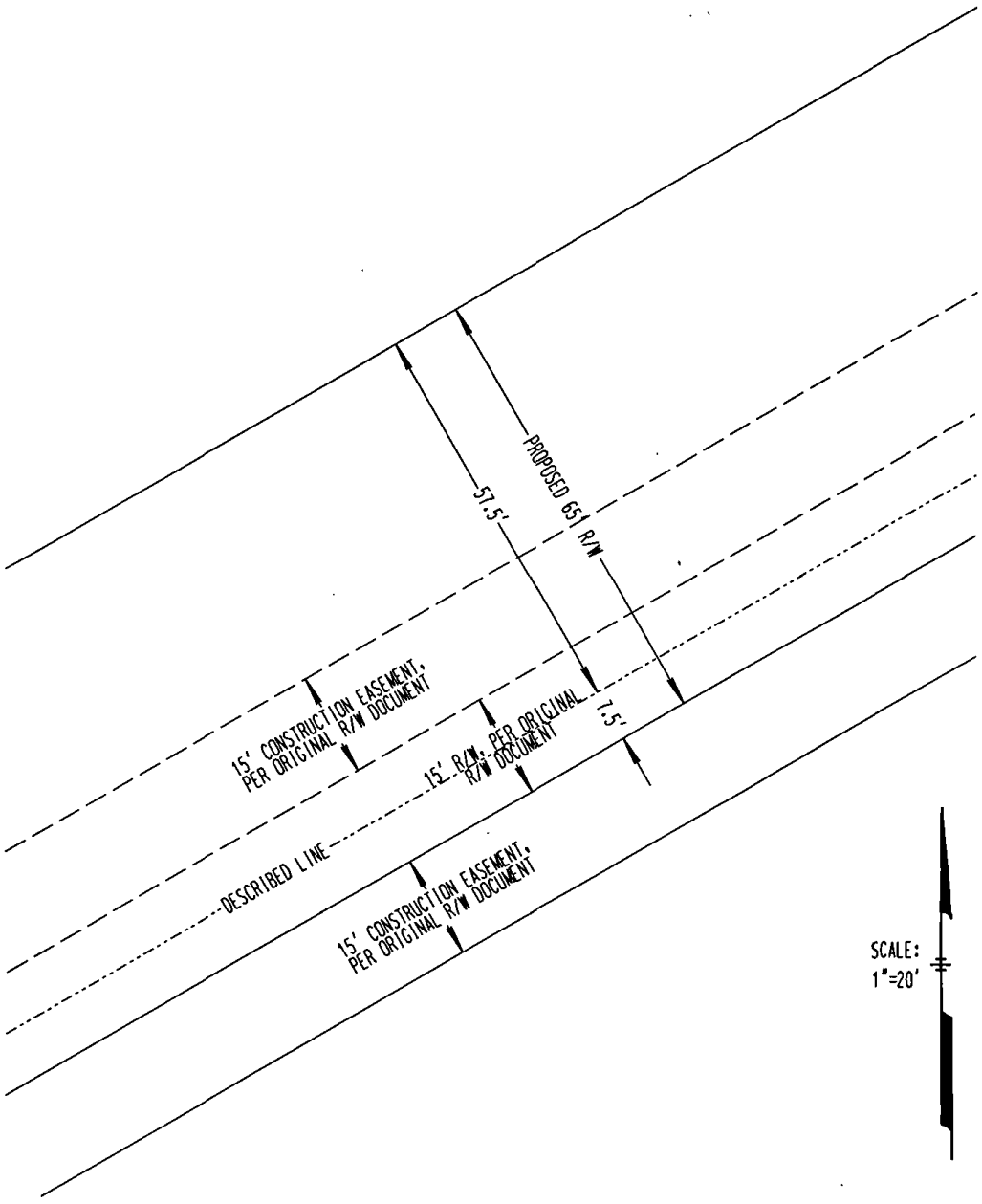
Today's Date: November 19, 2003

Barbara Collignon
Signature of Declarant:

Barbara Collignon
Printed Name

(s:\land\form-letters\notary-illegible-seal.doc
(s:\land\forms\notary-illegible-seal.doc

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AF: LD2202-04-0604 TO LD2202-04-0610

AUTHORIZATION 6088443 BY DR S LOUIE CH O.K. DATE 09-27-01	LINE 107/222 (TRACY SS TO TESLA SS) PROPOSED MODIFICATION TO ORIGINAL EASEMENT (TYPICAL) PACIFIC GAS AND ELECTRIC COMPANY SAN FRANCISCO CAL.	JCN 06-01-043 REGION COUNTY SAN JOAQUIN PROFILE — SHEET NO. 1 OF 1 DRAWING NUMBER SL-387 CHANGE 1

PG&E LAND ENGINEERING

Risk Calculations



26-INCH NATURAL GAS TRANSMISSION PIPELINE

INPUT TABLE

Input Data	Value	Units	Data Source
Product	natural gas		Pacific Gas & Electric Company
Diameter	26	inches	Same as above
Pressure	890	psig (MAOP)	Same as above
R0	25	ft	Easement distance
RX(LJF)	36	ft	ALOHA model result - Appendix A
RX(RJF)	510	ft	ALOHA model result - Appendix A
RX(LFF)	177	ft	ALOHA model result - Appendix A
RX(RFF)	2,322	ft	ALOHA model result - Appendix A
RX(LEX)	0	ft	ALOHA - no GCE explosion
RX(REX)	0	ft	ALOHA - no GCE explosion
XSEG(LJF)	52	ft	Calculated, using CDE methodology
XSEG(RJF)	1019	ft	Calculated, using CDE methodology
XSEG(LFF)	350	ft	Calculated, using CDE methodology
XSEG(RFF)	4644	ft	Calculated, using CDE methodology
XSEG(LEX)	0	ft	Calculated, using CDE methodology
XSEG(REX)	0	ft	Calculated, using CDE methodology

BASE AND CONDITIONAL PROBABILITY TABLE

Base		Leak		Rupture		Exposure	
F0	1.20E-04	PC(L)	0.8	PC(R)	0.2	PC(OCC)	0.33
P0	1.20E-04	PC(LIG)	0.3	PC(RIG)	0.45	PC(OUT)	0.25
PAF	1	PC(FIG)	0.99	PC(FIG)	0.99		
PA	1.20E-04	PC(JF)	0.98	PC(JF)	0.98		
		PC(FF)	0.01	PC(FF)	0.01		
		PC(EIG)	0.01	PC(EIG)	0.01		
Calculated Values Base Hazard Probabilities		Leak Impact Probabilities		Rupture Impact Probabilities		Exposure Probability	
PA(LJF)	1.18E-06	PCI(LJF)	2.33E-01	PCI(RJF)	8.73E-02	PC(EXPO)	0.0825
PA(RJF)	2.32E-05	PCI(LFF)	2.38E-03	PCI(RFF)	8.91E-04		
PA(LFF)	7.96E-06	PCI(LEX)	2.40E-03	PCI(REX)	9.00E-04		
PA(RFF)	1.06E-04						
PA(LEX)	0.00E+00						
PA(REX)	0.00E+00						

26-INCH NATURAL GAS TRANSMISSION PIPELINE

INDIVIDUAL HAZARD PROBABILITIES

Hazard Conditional Probability PC(X)	Base Hazard Probability PA(X)	Conditional Impact Probability Factor PCI(X)	Conditional Exposure Probability PC(EXPO)	PA(X) Value	PCI(X) Value	PC(EXPO) Value	PC(X)
PC(LJF) =	PA(LJF) x	PCI(LJF) x	PC(EXPO) =	1.18E-06	2.33E-01	0.0825	2.26E-08
PC(RJF) =	PA(RJF) x	PCI(RJF) x	PC(EXPO) =	2.32E-05	8.73E-02	0.0825	1.67E-07
PC(LFF) =	PA(LFF) x	PCI(LFF) x	PC(EXPO) =	7.96E-06	2.38E-03	0.0825	1.56E-09
PC(RFF) =	PA(RFF) x	PCI)RFF) x	PC(EXPO) =	1.06E-04	8.91E-04	0.0825	7.76E-09
PC(LEX) =	PA(LEX) x	PCI(LEX) x	PC(EXPO) =	0.00E+00	2.40E-03	0.0825	0.00E+00
PC(REX) =	PA(REX) x	PCI(REX) x	PC(EXPO) =	0.00E+00	9.00E-04	0.0825	0.00E+00

INDIVIDUAL RISK SUMMARY

IR(X)		Maximum PF(X)	Hazard Conditional Probability PC(X)	IR(X)
IR(LJF) =		1	2.26E-08	2.26E-08
IR(RJF) =		1	1.67E-07	1.67E-07
IR(LFF) =		1	1.56E-09	1.56E-09
IR(RFF) =		1	7.76E-09	7.76E-09
IR(LEX) =		0	0.00E+00	0.00E+00
IR(REX) =		0	0.00E+00	0.00E+00
TIR =				**1.99E-07**

26-Inch Natural Gas Transmission Pipeline Rupture - Jet Flame

Text Summary ALOHA® 5.4.3

```
SITE DATA:
  Location: TRACY, CALIFORNIA
  Building Air Exchanges Per Hour: 0.63 (unsheltered single storied)
  Time: February 22, 2013  1716 hours PST (using computer's clock)

CHEMICAL DATA:
  Chemical Name: METHANE                  Molecular Weight: 16.04 g/mol
  PAC-1: 2900 ppm    PAC-2: 2900 ppm      PAC-3: 17000 ppm
  LEL: 50000 ppm     UEL: 150000 ppm
  Ambient Boiling Point: -258.8° F
  Vapor Pressure at Ambient Temperature: greater than 1 atm
  Ambient Saturation Concentration: 1,000,000 ppm or 100.0%

ATMOSPHERIC DATA: (MANUAL INPUT OF DATA)
  Wind: 3 meters/second from N at 3 meters
  Ground Roughness: urban or forest       Cloud Cover: 5 tenths
  Air Temperature: 77° F                  Stability Class: D
  No Inversion Height                     Relative Humidity: 50%

SOURCE STRENGTH:
  Flammable gas is burning as it escapes from pipe
  Pipe Diameter: 26 inches                Pipe Length: 9000 feet
  Unbroken end of the pipe is connected to an infinite source
  Pipe Roughness: smooth                  Hole Area: 531 sq in
  Pipe Press: 905 psia                    Pipe Temperature: 77° F
  Max Flame Length: 77 yards
  Burn Duration: ALOHA limited the duration to 1 hour
  Max Burn Rate: 470,000 pounds/min
  Total Amount Burned: 5,592,290 pounds

THREAT ZONE:
  Threat Modeled: Thermal radiation from jet fire
  Red    : 170 yards --- (15.7 kW/(sq m))
```

```
SITE DATA:
  Location: TRACY, CALIFORNIA
  Building Air Exchanges Per Hour: 0.63 (unsheltered single storied)
  Time: February 22, 2013  1716 hours PST (using computer's clock)

CHEMICAL DATA:
  Chemical Name: METHANE                  Molecular Weight: 16.04 g/mol
  PAC-1: 2900 ppm    PAC-2: 2900 ppm      PAC-3: 17000 ppm
  LEL: 50000 ppm     UEL: 150000 ppm
  Ambient Boiling Point: -258.8° F
  Vapor Pressure at Ambient Temperature: greater than 1 atm
  Ambient Saturation Concentration: 1,000,000 ppm or 100.0%

ATMOSPHERIC DATA: (MANUAL INPUT OF DATA)
  Wind: 3 meters/second from N at 3 meters
  Ground Roughness: urban or forest       Cloud Cover: 5 tenths
  Air Temperature: 77° F                  Stability Class: D
  No Inversion Height                     Relative Humidity: 50%

SOURCE STRENGTH:
  Flammable gas escaping from pipe (not burning)
  Pipe Diameter: 26 inches                Pipe Length: 9000 feet
  Unbroken end of the pipe is connected to an infinite source
  Pipe Roughness: smooth                  Hole Area: 531 sq in
  Pipe Press: 905 psia                    Pipe Temperature: 77° F
  Release Duration: ALOHA limited the duration to 1 hour
  Max Average Sustained Release Rate: 112,000 pounds/min
     (averaged over a minute or more)
  Total Amount Released: 5,592,290 pounds

THREAT ZONE:
  Threat Modeled: Flammable Area of Vapor Cloud
  Model Run: Gaussian
  Red    : 774 yards --- (50000 ppm = LEL)
```

```
SITE DATA:
  Location: TRACY, CALIFORNIA
  Building Air Exchanges Per Hour: 0.63 (unsheltered single storied)
  Time: February 22, 2013  1716 hours PST (using computer's clock)

CHEMICAL DATA:
  Chemical Name: METHANE                  Molecular Weight: 16.04 g/mol
  PAC-1: 2900 ppm    PAC-2: 2900 ppm      PAC-3: 17000 ppm
  LEL: 50000 ppm     UEL: 150000 ppm
  Ambient Boiling Point: -258.8° F
  Vapor Pressure at Ambient Temperature: greater than 1 atm
  Ambient Saturation Concentration: 1,000,000 ppm or 100.0%

ATMOSPHERIC DATA: (MANUAL INPUT OF DATA)
  Wind: 3 meters/second from N at 3 meters
  Ground Roughness: urban or forest       Cloud Cover: 5 tenths
  Air Temperature: 77° F                  Stability Class: D
  No Inversion Height                     Relative Humidity: 50%

SOURCE STRENGTH:
  Flammable gas is burning as it escapes from pipe
  Pipe Diameter: 26 inches                Pipe Length: 9000 feet
  Unbroken end of the pipe is closed off
  Pipe Roughness: smooth                  Hole Area: 0.785 sq in
  Pipe Press: 905 psia                    Pipe Temperature: 77° F
  Max Flame Length: 2 yards
  Burn Duration: ALOHA limited the duration to 1 hour
  Max Burn Rate: 695 pounds/min
  Total Amount Burned: 32,729 pounds

THREAT ZONE:
  Threat Modeled: Thermal radiation from jet fire
  Red    : 12 yards --- (15.7 kW/(sq m))
```

```
SITE DATA:
  Location: TRACY, CALIFORNIA
  Building Air Exchanges Per Hour: 0.63 (unsheltered single storied)
  Time: February 22, 2013  1716 hours PST (using computer's clock)

CHEMICAL DATA:
  Chemical Name: METHANE                  Molecular Weight: 16.04 g/mol
  PAC-1: 2900 ppm    PAC-2: 2900 ppm      PAC-3: 17000 ppm
  LEL: 50000 ppm     UEL: 150000 ppm
  Ambient Boiling Point: -258.8° F
  Vapor Pressure at Ambient Temperature: greater than 1 atm
  Ambient Saturation Concentration: 1,000,000 ppm or 100.0%

ATMOSPHERIC DATA: (MANUAL INPUT OF DATA)
  Wind: 3 meters/second from N at 3 meters
  Ground Roughness: urban or forest       Cloud Cover: 5 tenths
  Air Temperature: 77° F                  Stability Class: D
  No Inversion Height                     Relative Humidity: 50%

SOURCE STRENGTH:
  Flammable gas escaping from pipe (not burning)
  Pipe Diameter: 26 inches                Pipe Length: 9000 feet
  Unbroken end of the pipe is closed off
  Pipe Roughness: smooth                  Hole Area: 0.785 sq in
  Pipe Press: 905 psia                    Pipe Temperature: 77° F
  Release Duration: ALOHA limited the duration to 1 hour
  Max Average Sustained Release Rate: 667 pounds/min
     (averaged over a minute or more)
  Total Amount Released: 32,729 pounds

THREAT ZONE:
  Threat Modeled: Flammable Area of Vapor Cloud
  Model Run: Gaussian
  Red    : 59 yards --- (50000 ppm = LEL)
```

36-INCH NATURAL GAS TRANSMISSION PIPELINE

INPUT TABLE

Input Data	Value	Units	Data Source
Product	natural gas		Pacific Gas & Electric Company
Diameter	36	inches	Same as above
Pressure	1040	psig (MAOP)	Same as above
R0	25	ft	Easement distance
RX(LJF)	39	ft	ALOHA model result - Appendix A
RX(RJF)	804	ft	ALOHA model result - Appendix A
RX(LFF)	192	ft	ALOHA model result - Appendix A
RX(RFF)	1,629	ft	ALOHA model result - Appendix A
RX(LEX)	0	ft	ALOHA - no GCE explosion
RX(REX)	0	ft	ALOHA - no GCE explosion
XSEG(LJF)	60	ft	Calculated, using CDE methodology
XSEG(RJF)	1607	ft	Calculated, using CDE methodology
XSEG(LFF)	381	ft	Calculated, using CDE methodology
XSEG(RFF)	3258	ft	Measured, stops 650 feet from school
XSEG(LEX)	0	ft	Calculated, using CDE methodology
XSEG(REX)	0	ft	Calculated, using CDE methodology

BASE AND CONDITIONAL PROBABILITY TABLE

Base		Leak		Rupture		Exposure	
F0	1.20E-04	PC(L)	0.8	PC(R)	0.2	PC(OCC)	0.33
P0	1.20E-04	PC(LIG)	0.3	PC(RIG)	0.45	PC(OUT)	0.25
PAF	1	PC(FIG)	0.99	PC(FIG)	0.99		
PA	1.20E-04	PC(JF)	0.98	PC(JF)	0.98		
		PC(FF)	0.01	PC(FF)	0.01		
		PC(EIG)	0.01	PC(EIG)	0.01		
Calculated Values Base Hazard Probabilities		Leak Impact Probabilities		Rupture Impact Probabilities		Exposure Probability	
PA(LJF)	1.36E-06	PCI(LJF)	2.33E-01	PCI(RJF)	8.73E-02	PC(EXPO)	0.0825
PA(RJF)	3.65E-05	PCI(LFF)	2.38E-03	PCI(RFF)	8.91E-04		
PA(LFF)	8.65E-06	PCI(LEX)	2.40E-03	PCI(REX)	9.00E-04		
PA(RFF)	7.40E-05						
PA(LEX)	0.00E+00						
PA(REX)	0.00E+00						

36-INCH NATURAL GAS TRANSMISSION PIPELINE

INDIVIDUAL HAZARD PROBABILITIES

Hazard Conditional Probability PC(X)	Base Hazard Probability PA(X)	Conditional Impact Probability Factor PCI(X)	Conditional Exposure Probability PC(EXPO)	PA(X) Value	PCI(X) Value	PC(EXPO) Value	PC(X)
PC(LJF) =	PA(LJF) x	PCI(LJF) x	PC(EXPO) =	1.36E-06	2.33E-01	0.0825	2.61E-08
PC(RJF) =	PA(RJF) x	PCI(RJF) x	PC(EXPO) =	3.65E-05	8.73E-02	0.0825	2.63E-07
PC(LFF) =	PA(LFF) x	PCI(LFF) x	PC(EXPO) =	8.65E-06	2.38E-03	0.0825	1.70E-09
PC(RFF) =	PA(RFF) x	PCI)RFF) x	PC(EXPO) =	7.40E-05	8.91E-04	0.0825	5.44E-09
PC(LEX) =	PA(LEX) x	PCI(LEX) x	PC(EXPO) =	0.00E+00	2.40E-03	0.0825	0.00E+00
PC(REX) =	PA(REX) x	PCI(REX) x	PC(EXPO) =	0.00E+00	9.00E-04	0.0825	0.00E+00

INDIVIDUAL RISK SUMMARY

IR(X)		Maximum PF(X)	Hazard Conditional Probability PC(X)	IR(X)
IR(LJF) =		1	2.61E-08	2.61E-08
IR(RJF) =		1	2.63E-07	2.63E-07
IR(LFF) =		1	1.70E-09	1.70E-09
IR(RFF) =		1	5.44E-09	5.44E-09
IR(LEX) =		0	0.00E+00	0.00E+00
IR(REX) =		0	0.00E+00	0.00E+00
TIR =				**2.96E-07**

```
SITE DATA:
  Location: TRACY, CALIFORNIA
  Building Air Exchanges Per Hour: 0.63 (unsheltered single storied)
  Time: February 22, 2013  1716 hours PST (using computer's clock)

CHEMICAL DATA:
  Chemical Name: METHANE                  Molecular Weight: 16.04 g/mol
  PAC-1: 2900 ppm    PAC-2: 2900 ppm      PAC-3: 17000 ppm
  LEL: 50000 ppm     UEL: 150000 ppm
  Ambient Boiling Point: -258.8° F
  Vapor Pressure at Ambient Temperature: greater than 1 atm
  Ambient Saturation Concentration: 1,000,000 ppm or 100.0%

ATMOSPHERIC DATA: (MANUAL INPUT OF DATA)
  Wind: 3 meters/second from N at 3 meters
  Ground Roughness: urban or forest       Cloud Cover: 5 tenths
  Air Temperature: 77° F                  Stability Class: D
  No Inversion Height                     Relative Humidity: 50%

SOURCE STRENGTH:
  Flammable gas is burning as it escapes from pipe
  Pipe Diameter: 36 inches                Pipe Length: 9000 feet
  Unbroken end of the pipe is connected to an infinite source
  Pipe Roughness: smooth                  Hole Area: 1,018 sq in
  Pipe Press: 1055 psia                   Pipe Temperature: 77° F
  Max Flame Length: 110 yards
  Burn Duration: ALOHA limited the duration to 1 hour
  Max Burn Rate: 1,050,000 pounds/min
  Total Amount Burned: 14,876,078 pounds

THREAT ZONE:
  Threat Modeled: Thermal radiation from jet fire
  Red    : 268 yards --- (15.7 kW/(sq m))
```

Text Summary

ALOHA® 5.4.3

```
SITE DATA:
  Location: TRACY, CALIFORNIA
  Building Air Exchanges Per Hour: 0.63 (unsheltered single storied)
  Time: February 22, 2013  1716 hours PST (using computer's clock)

CHEMICAL DATA:
  Chemical Name: METHANE                  Molecular Weight: 16.04 g/mol
  PAC-1: 2900 ppm    PAC-2: 2900 ppm      PAC-3: 17000 ppm
  LEL: 50000 ppm     UEL: 150000 ppm
  Ambient Boiling Point: -258.8° F
  Vapor Pressure at Ambient Temperature: greater than 1 atm
  Ambient Saturation Concentration: 1,000,000 ppm or 100.0%

ATMOSPHERIC DATA: (MANUAL INPUT OF DATA)
  Wind: 3 meters/second from N at 3 meters
  Ground Roughness: urban or forest       Cloud Cover: 5 tenths
  Air Temperature: 77° F                  Stability Class: D
  No Inversion Height                     Relative Humidity: 50%

SOURCE STRENGTH:
  Flammable gas escaping from pipe (not burning)
  Pipe Diameter: 36 inches                Pipe Length: 9000 feet
  Unbroken end of the pipe is connected to an infinite source
  Pipe Roughness: smooth                  Hole Area: 1,018 sq in
  Pipe Press: 1055 psia                   Pipe Temperature: 77° F
  Release Duration: ALOHA limited the duration to 1 hour
  Max Average Sustained Release Rate: 293,000 pounds/min
     (averaged over a minute or more)
  Total Amount Released: 14,876,078 pounds

THREAT ZONE:
  Threat Modeled: Flammable Area of Vapor Cloud
  Model Run: Heavy Gas
  Red    : 543 yards --- (50000 ppm = LEL)
```

Text Summary


```
SITE DATA:
  Location: TRACY, CALIFORNIA
  Building Air Exchanges Per Hour: 0.63 (unsheltered single storied)
  Time: February 22, 2013  1716 hours PST (using computer's clock)

CHEMICAL DATA:
  Chemical Name: METHANE                  Molecular Weight: 16.04 g/mol
  PAC-1: 2900 ppm    PAC-2: 2900 ppm      PAC-3: 17000 ppm
  LEL: 50000 ppm     UEL: 150000 ppm
  Ambient Boiling Point: -258.8° F
  Vapor Pressure at Ambient Temperature: greater than 1 atm
  Ambient Saturation Concentration: 1,000,000 ppm or 100.0%

ATMOSPHERIC DATA: (MANUAL INPUT OF DATA)
  Wind: 3 meters/second from N at 3 meters
  Ground Roughness: urban or forest       Cloud Cover: 5 tenths
  Air Temperature: 77° F                  Stability Class: D
  No Inversion Height                     Relative Humidity: 50%

SOURCE STRENGTH:
  Flammable gas is burning as it escapes from pipe
  Pipe Diameter: 36 inches                Pipe Length: 9000 feet
  Unbroken end of the pipe is closed off
  Pipe Roughness: smooth                  Hole Area: .785 sq in
  Pipe Press: 1055 psia                   Pipe Temperature: 77° F
  Max Flame Length: 2 yards
  Burn Duration: ALOHA limited the duration to 1 hour
  Max Burn Rate: 812 pounds/min
  Total Amount Burned: 42,812 pounds

THREAT ZONE:
  Threat Modeled: Thermal radiation from jet fire
  Red    : 13 yards --- (15.7 kW/(sq m))
```

```
SITE DATA:
  Location: TRACY, CALIFORNIA
  Building Air Exchanges Per Hour: 0.63 (unsheltered single storied)
  Time: February 22, 2013  1716 hours PST (using computer's clock)

CHEMICAL DATA:
  Chemical Name: METHANE                  Molecular Weight: 16.04 g/mol
  PAC-1: 2900 ppm    PAC-2: 2900 ppm      PAC-3: 17000 ppm
  LEL: 50000 ppm     UEL: 150000 ppm
  Ambient Boiling Point: -258.8° F
  Vapor Pressure at Ambient Temperature: greater than 1 atm
  Ambient Saturation Concentration: 1,000,000 ppm or 100.0%

ATMOSPHERIC DATA: (MANUAL INPUT OF DATA)
  Wind: 3 meters/second from N at 3 meters
  Ground Roughness: urban or forest       Cloud Cover: 5 tenths
  Air Temperature: 77° F                  Stability Class: D
  No Inversion Height                     Relative Humidity: 50%

SOURCE STRENGTH:
  Flammable gas escaping from pipe (not burning)
  Pipe Diameter: 36 inches                Pipe Length: 9000 feet
  Unbroken end of the pipe is closed off
  Pipe Roughness: smooth                  Hole Area: .785 sq in
  Pipe Press: 1055 psia                   Pipe Temperature: 77° F
  Release Duration: ALOHA limited the duration to 1 hour
  Max Average Sustained Release Rate: 793 pounds/min
     (averaged over a minute or more)
  Total Amount Released: 42,812 pounds

THREAT ZONE:
  Threat Modeled: Flammable Area of Vapor Cloud
  Model Run: Gaussian
  Red    : 64 yards --- (50000 ppm = LEL)
```

12-INCH NATURAL GAS TRANSMISSION PIPELINE

INPUT TABLE

Input Data	Value	Units	Data Source
Product	natural gas		Pacific Gas & Electric Company
Diameter	12	inches	Same as above
Pressure	825	psig (MAOP)	Same as above
R0	25	ft	Easement distance
RX(LJF)	33	ft	ALOHA model result - Appendix A
RX(RJF)	210	ft	ALOHA model result - Appendix A
RX(LFF)	168	ft	ALOHA model result - Appendix A
RX(RFF)	807	ft	ALOHA model result - Appendix A
RX(LEX)	0	ft	ALOHA - no GCE explosion
RX(REX)	0	ft	ALOHA - no GCE explosion
XSEG(LJF)	43	ft	Calculated, using CDE methodology
XSEG(RJF)	417	ft	Calculated, using CDE methodology
XSEG(LFF)	332	ft	Calculated, using CDE methodology
XSEG(RFF)	1613	ft	Calculated, using CDE methodology
XSEG(LEX)	0	ft	Calculated, using CDE methodology
XSEG(REX)	0	ft	Calculated, using CDE methodology

BASE AND CONDITIONAL PROBABILITY TABLE

Base		Leak		Rupture		Exposure	
F0	1.20E-04	PC(L)	0.8	PC(R)	0.2	PC(OCC)	0.33
P0	1.20E-04	PC(LIG)	0.3	PC(RIG)	0.45	PC(OUT)	0.25
PAF	1	PC(FIG)	0.99	PC(FIG)	0.99		
PA	1.20E-04	PC(JF)	0.98	PC(JF)	0.98		
		PC(FF)	0.01	PC(FF)	0.01		
		PC(EIG)	0.01	PC(EIG)	0.01		
Calculated Values Base Hazard Probabilities		Leak Impact Probabilities		Rupture Impact Probabilities		Exposure Probability	
PA(LJF)	9.79E-07	PCI(LJF)	2.33E-01	PCI(RJF)	8.73E-02	PC(EXPO)	0.0825
PA(RJF)	9.48E-06	PCI(LFF)	2.38E-03	PCI(RFF)	8.91E-04		
PA(LFF)	7.55E-06	PCI(LEX)	2.40E-03	PCI(REX)	9.00E-04		
PA(RFF)	3.67E-05						
PA(LEX)	0.00E+00						
PA(REX)	0.00E+00						

12-INCH NATURAL GAS TRANSMISSION PIPELINE

INDIVIDUAL HAZARD PROBABILITIES

Hazard Conditional Probability PC(X)	Base Hazard Probability PA(X)	Conditional Impact Probability Factor PCI(X)	Conditional Exposure Probability PC(EXPO)	PA(X) Value	PCI(X) Value	PC(EXPO) Value	PC(X)
PC(LJF) =	PA(LJF) x	PCI(LJF) x	PC(EXPO) =	9.79E-07	2.33E-01	0.0825	1.88E-08
PC(RJF) =	PA(RJF) x	PCI(RJF) x	PC(EXPO) =	9.48E-06	8.73E-02	0.0825	6.83E-08
PC(LFF) =	PA(LFF) x	PCI(LFF) x	PC(EXPO) =	7.55E-06	2.38E-03	0.0825	1.48E-09
PC(RFF) =	PA(RFF) x	PCI)RFF) x	PC(EXPO) =	3.67E-05	8.91E-04	0.0825	2.70E-09
PC(LEX) =	PA(LEX) x	PCI(LEX) x	PC(EXPO) =	0.00E+00	2.40E-03	0.0825	0.00E+00
PC(REX) =	PA(REX) x	PCI(REX) x	PC(EXPO) =	0.00E+00	9.00E-04	0.0825	0.00E+00

INDIVIDUAL RISK SUMMARY

IR(X)		Maximum PF(X)	Hazard Conditional Probability PC(X)	IR(X)
IR(LJF) =		1	1.88E-08	1.88E-08
IR(RJF) =		1	6.83E-08	6.83E-08
IR(LFF) =		1	1.48E-09	1.48E-09
IR(RFF) =		1	2.70E-09	2.70E-09
IR(LEX) =		0	0.00E+00	0.00E+00
IR(REX) =		0	0.00E+00	0.00E+00
TIR =				**9.13E-08**

```
SITE DATA:
  Location: TRACY, CALIFORNIA
  Building Air Exchanges Per Hour: 0.63 (unsheltered single storied)
  Time: February 24, 2013  1720 hours PST (using computer's clock)

CHEMICAL DATA:
  Chemical Name: METHANE                  Molecular Weight: 16.04 g/mol
  PAC-1: 2900 ppm    PAC-2: 2900 ppm      PAC-3: 17000 ppm
  LEL: 50000 ppm     UEL: 150000 ppm
  Ambient Boiling Point: -258.8° F
  Vapor Pressure at Ambient Temperature: greater than 1 atm
  Ambient Saturation Concentration: 1,000,000 ppm or 100.0%

ATMOSPHERIC DATA: (MANUAL INPUT OF DATA)
  Wind: 3 meters/second from N at 3 meters
  Ground Roughness: urban or forest       Cloud Cover: 5 tenths
  Air Temperature: 77° F                  Stability Class: D
  No Inversion Height                     Relative Humidity: 50%

SOURCE STRENGTH:
  Flammable gas is burning as it escapes from pipe
  Pipe Diameter: 12 inches                Pipe Length: 26400 feet
  Unbroken end of the pipe is connected to an infinite source
  Pipe Roughness: smooth                  Hole Area: 113 sq in
  Pipe Press: 840 psia                    Pipe Temperature: 77° F
  Max Flame Length: 35 yards
  Burn Duration: ALOHA limited the duration to 1 hour
  Max Burn Rate: 92,900 pounds/min
  Total Amount Burned: 428,066 pounds

THREAT ZONE:
  Threat Modeled: Thermal radiation from jet fire
  Red    : 70 yards --- (15.7 kW/(sq m))
```

12-Inch Natural Gas Transmission Pipeline Rupture - Flammable Vapor Cloud

Text Summary

ALOHA® 5.4.3

```
SITE DATA:
  Location: TRACY, CALIFORNIA
  Building Air Exchanges Per Hour: 0.63 (unsheltered single storied)
  Time: February 24, 2013  1720 hours PST (using computer's clock)

CHEMICAL DATA:
  Chemical Name: METHANE                  Molecular Weight: 16.04 g/mol
  PAC-1: 2900 ppm    PAC-2: 2900 ppm      PAC-3: 17000 ppm
  LEL: 50000 ppm     UEL: 150000 ppm
  Ambient Boiling Point: -258.8° F
  Vapor Pressure at Ambient Temperature: greater than 1 atm
  Ambient Saturation Concentration: 1,000,000 ppm or 100.0%

ATMOSPHERIC DATA: (MANUAL INPUT OF DATA)
  Wind: 3 meters/second from N at 3 meters
  Ground Roughness: urban or forest       Cloud Cover: 5 tenths
  Air Temperature: 77° F                  Stability Class: D
  No Inversion Height                     Relative Humidity: 50%

SOURCE STRENGTH:
  Flammable gas escaping from pipe (not burning)
  Pipe Diameter: 12 inches                Pipe Length: 26400 feet
  Unbroken end of the pipe is connected to an infinite source
  Pipe Roughness: smooth                  Hole Area: 113 sq in
  Pipe Press: 840 psia                    Pipe Temperature: 77° F
  Release Duration: ALOHA limited the duration to 1 hour
  Max Average Sustained Release Rate: 13,400 pounds/min
     (averaged over a minute or more)
  Total Amount Released: 428,066 pounds

THREAT ZONE:
  Threat Modeled: Flammable Area of Vapor Cloud
  Model Run: Gaussian
  Red    : 269 yards --- (50000 ppm = LEL)
```

Text Summary

12-Inch Natural Gas Transmission Pipeline Leak - Jet Flame

ALOHA® 5.4.3

```
SITE DATA:
  Location: TRACY, CALIFORNIA
  Building Air Exchanges Per Hour: 0.63 (unsheltered single storied)
  Time: February 24, 2013  1720 hours PST (using computer's clock)

CHEMICAL DATA:
  Chemical Name: METHANE                  Molecular Weight: 16.04 g/mol
  PAC-1: 2900 ppm    PAC-2: 2900 ppm      PAC-3: 17000 ppm
  LEL: 50000 ppm     UEL: 150000 ppm
  Ambient Boiling Point: -258.8° F
  Vapor Pressure at Ambient Temperature: greater than 1 atm
  Ambient Saturation Concentration: 1,000,000 ppm or 100.0%

ATMOSPHERIC DATA: (MANUAL INPUT OF DATA)
  Wind: 3 meters/second from N at 3 meters
  Ground Roughness: urban or forest       Cloud Cover: 5 tenths
  Air Temperature: 77° F                  Stability Class: D
  No Inversion Height                     Relative Humidity: 50%

SOURCE STRENGTH:
  Flammable gas is burning as it escapes from pipe
  Pipe Diameter: 12 inches                Pipe Length: 26400 feet
  Unbroken end of the pipe is closed off
  Pipe Roughness: smooth                  Hole Area: 0.785 sq in
  Pipe Press: 840 psia                    Pipe Temperature: 77° F
  Max Flame Length: 2 yards
  Burn Duration: ALOHA limited the duration to 1 hour
  Max Burn Rate: 645 pounds/min
  Total Amount Burned: 26,498 pounds

THREAT ZONE:
  Threat Modeled: Thermal radiation from jet fire
  Red    : 11 yards --- (15.7 kW/(sq m))
```

```
SITE DATA:
  Location: TRACY, CALIFORNIA
  Building Air Exchanges Per Hour: 0.63 (unsheltered single storied)
  Time: February 24, 2013  1720 hours PST (using computer's clock)

CHEMICAL DATA:
  Chemical Name: METHANE                  Molecular Weight: 16.04 g/mol
  PAC-1: 2900 ppm    PAC-2: 2900 ppm      PAC-3: 17000 ppm
  LEL: 50000 ppm     UEL: 150000 ppm
  Ambient Boiling Point: -258.8° F
  Vapor Pressure at Ambient Temperature: greater than 1 atm
  Ambient Saturation Concentration: 1,000,000 ppm or 100.0%

ATMOSPHERIC DATA: (MANUAL INPUT OF DATA)
  Wind: 3 meters/second from N at 3 meters
  Ground Roughness: urban or forest       Cloud Cover: 5 tenths
  Air Temperature: 77° F                  Stability Class: D
  No Inversion Height                     Relative Humidity: 50%

SOURCE STRENGTH:
  Flammable gas escaping from pipe (not burning)
  Pipe Diameter: 12 inches                Pipe Length: 26400 feet
  Unbroken end of the pipe is closed off
  Pipe Roughness: smooth                  Hole Area: 0.785 sq in
  Pipe Press: 840 psia                    Pipe Temperature: 77° F
  Release Duration: ALOHA limited the duration to 1 hour
  Max Average Sustained Release Rate: 608 pounds/min
     (averaged over a minute or more)
  Total Amount Released: 26,498 pounds

THREAT ZONE:
  Threat Modeled: Flammable Area of Vapor Cloud
  Model Run: Gaussian
  Red   : 56 yards --- (50000 ppm = LEL)
```

3-INCH NATURAL GAS TRANSMISSION PIPELINE

INPUT TABLE

Input Data	Value	Units	Data Source
Product	natural gas		Pacific Gas & Electric Company
Diameter	3	inches	Same as above
Pressure	1040	psig (MAOP)	Same as above
R0	25	ft	Easement distance
RX(LJF)	39	ft	ALOHA model result - Appendix A
RX(RJF)	42	ft	ALOHA model result - Appendix A
RX(LFF)	180	ft	ALOHA model result - Appendix A
RX(RFF)	153	ft	ALOHA model result - Appendix A
RX(LEX)	0	ft	ALOHA - no GCE explosion
RX(REX)	0	ft	ALOHA - no GCE explosion
XSEG(LJF)	60	ft	Calculated, using CDE methodology
XSEG(RJF)	67	ft	Calculated, using CDE methodology
XSEG(LFF)	357	ft	Calculated, using CDE methodology
XSEG(RFF)	302	ft	Calculated, using CDE methodology
XSEG(LEX)	0	ft	Calculated, using CDE methodology
XSEG(REX)	0	ft	Calculated, using CDE methodology

BASE AND CONDITIONAL PROBABILITY TABLE

Base		Leak		Rupture		Exposure	
F0	1.20E-04	PC(L)	0.8	PC(R)	0.2	PC(OCC)	0.33
P0	1.20E-04	PC(LIG)	0.3	PC(RIG)	0.45	PC(OUT)	0.25
PAF	1	PC(FIG)	0.99	PC(FIG)	0.99		
PA	1.20E-04	PC(JF)	0.98	PC(JF)	0.98		
		PC(FF)	0.01	PC(FF)	0.01		
		PC(EIG)	0.01	PC(EIG)	0.01		
Calculated Values Base Hazard Probabilities		Leak Impact Probabilities		Rupture Impact Probabilities		Exposure Probability	
PA(LJF)	1.36E-06	PCI(LJF)	2.33E-01	PCI(RJF)	8.73E-02	PC(EXPO)	0.0825
PA(RJF)	1.53E-06	PCI(LFF)	2.38E-03	PCI(RFF)	8.91E-04		
PA(LFF)	8.10E-06	PCI(LEX)	2.40E-03	PCI(REX)	9.00E-04		
PA(RFF)	6.86E-06						
PA(LEX)	0.00E+00						
PA(REX)	0.00E+00						

3-INCH NATURAL GAS TRANSMISSION PIPELINE

INDIVIDUAL HAZARD PROBABILITIES

Hazard Conditional Probability PC(X)	Base Hazard Probability PA(X)	Conditional Impact Probability Factor PCI(X)	Conditional Exposure Probability PC(EXPO)	PA(X) Value	PCI(X) Value	PC(EXPO) Value	PC(X)
PC(LJF) =	PA(LJF) x	PCI(LJF) x	PC(EXPO) =	1.36E-06	2.33E-01	0.0825	2.61E-08
PC(RJF) =	PA(RJF) x	PCI(RJF) x	PC(EXPO) =	1.53E-06	8.73E-02	0.0825	1.11E-08
PC(LFF) =	PA(LFF) x	PCI(LFF) x	PC(EXPO) =	8.10E-06	2.38E-03	0.0825	1.59E-09
PC(RFF) =	PA(RFF) x	PCI)RFF) x	PC(EXPO) =	6.86E-06	8.91E-04	0.0825	5.04E-10
PC(LEX) =	PA(LEX) x	PCI(LEX) x	PC(EXPO) =	0.00E+00	2.40E-03	0.0825	0.00E+00
PC(REX) =	PA(REX) x	PCI(REX) x	PC(EXPO) =	0.00E+00	9.00E-04	0.0825	0.00E+00

INDIVIDUAL RISK SUMMARY

IR(X)		Maximum PF(X)	Hazard Conditional Probability PC(X)	IR(X)
IR(LJF) =		1	2.61E-08	2.61E-08
IR(RJF) =		1	1.11E-08	1.11E-08
IR(LFF) =		1	1.59E-09	1.59E-09
IR(RFF) =		1	5.04E-10	5.04E-10
IR(LEX) =		0	0.00E+00	0.00E+00
IR(REX) =		0	0.00E+00	0.00E+00
TIR =				**3.93E-08**

3-Inch Natural Gas Transmission Pipeline Rupture - Jet Flame

Text Summary

ALOHA® 5.4.3

```
SITE DATA:
  Location: TRACY, CALIFORNIA
  Building Air Exchanges Per Hour: 0.63 (unsheltered single storied)
  Time: February 24, 2013  1720 hours PST (using computer's clock)

CHEMICAL DATA:
  Chemical Name: METHANE                  Molecular Weight: 16.04 g/mol
  PAC-1: 2900 ppm    PAC-2: 2900 ppm      PAC-3: 17000 ppm
  LEL: 50000 ppm     UEL: 150000 ppm
  Ambient Boiling Point: -258.8° F
  Vapor Pressure at Ambient Temperature: greater than 1 atm
  Ambient Saturation Concentration: 1,000,000 ppm or 100.0%

ATMOSPHERIC DATA: (MANUAL INPUT OF DATA)
  Wind: 3 meters/second from N at 3 meters
  Ground Roughness: urban or forest       Cloud Cover: 5 tenths
  Air Temperature: 77° F                  Stability Class: D
  No Inversion Height                     Relative Humidity: 50%

SOURCE STRENGTH:
  Flammable gas is burning as it escapes from pipe
  Pipe Diameter: 3 inches                 Pipe Length: 26400 feet
  Unbroken end of the pipe is connected to an infinite source
  Pipe Roughness: smooth                  Hole Area: 7.07 sq in
  Pipe Press: 1055 psia                   Pipe Temperature: 77° F
  Max Flame Length: 8 yards
  Burn Duration: ALOHA limited the duration to 1 hour
  Max Burn Rate: 7,310 pounds/min
  Total Amount Burned: 14,552 pounds

THREAT ZONE:
  Threat Modeled: Thermal radiation from jet fire
  Red    : 14 yards --- (15.7 kW/(sq m))
```

```
SITE DATA:
  Location: TRACY, CALIFORNIA
  Building Air Exchanges Per Hour: 0.63 (unsheltered single storied)
  Time: February 24, 2013  1720 hours PST (using computer's clock)

CHEMICAL DATA:
  Chemical Name: METHANE                  Molecular Weight: 16.04 g/mol
  PAC-1: 2900 ppm    PAC-2: 2900 ppm      PAC-3: 17000 ppm
  LEL: 50000 ppm     UEL: 150000 ppm
  Ambient Boiling Point: -258.8° F
  Vapor Pressure at Ambient Temperature: greater than 1 atm
  Ambient Saturation Concentration: 1,000,000 ppm or 100.0%

ATMOSPHERIC DATA: (MANUAL INPUT OF DATA)
  Wind: 3 meters/second from N at 3 meters
  Ground Roughness: urban or forest       Cloud Cover: 5 tenths
  Air Temperature: 77° F                  Stability Class: D
  No Inversion Height                     Relative Humidity: 50%

SOURCE STRENGTH:
  Flammable gas escaping from pipe (not burning)
  Pipe Diameter: 3 inches                 Pipe Length: 26400 feet
  Unbroken end of the pipe is connected to an infinite source
  Pipe Roughness: smooth                  Hole Area: 7.07 sq in
  Pipe Press: 1055 psia                   Pipe Temperature: 77° F
  Release Duration: ALOHA limited the duration to 1 hour
  Max Average Sustained Release Rate: 496 pounds/min
     (averaged over a minute or more)
  Total Amount Released: 14,552 pounds

THREAT ZONE:
  Threat Modeled: Flammable Area of Vapor Cloud
  Model Run: Gaussian
  Red    : 51 yards --- (50000 ppm = LEL)
  Note: Threat zone was not drawn because effects of near-field patchiness
     make dispersion predictions less reliable for short distances.
```

3-Inch Natural Gas Transmission Pipeline
Leak - Jet Flame

Text Summary

ALOHA® 5.4.3

```
SITE DATA:
  Location: TRACY, CALIFORNIA
  Building Air Exchanges Per Hour: 0.63 (unsheltered single storied)
  Time: February 24, 2013  1720 hours PST (using computer's clock)

CHEMICAL DATA:
  Chemical Name: METHANE                  Molecular Weight: 16.04 g/mol
  PAC-1: 2900 ppm    PAC-2: 2900 ppm      PAC-3: 17000 ppm
  LEL: 50000 ppm     UEL: 150000 ppm
  Ambient Boiling Point: -258.8° F
  Vapor Pressure at Ambient Temperature: greater than 1 atm
  Ambient Saturation Concentration: 1,000,000 ppm or 100.0%

ATMOSPHERIC DATA: (MANUAL INPUT OF DATA)
  Wind: 3 meters/second from N at 3 meters
  Ground Roughness: urban or forest       Cloud Cover: 5 tenths
  Air Temperature: 77° F                  Stability Class: D
  No Inversion Height                     Relative Humidity: 50%

SOURCE STRENGTH:
  Flammable gas is burning as it escapes from pipe
  Pipe Diameter: 3 inches                 Pipe Length: 26400 feet
  Unbroken end of the pipe is closed off
  Pipe Roughness: smooth                  Hole Area: 0.785 sq in
  Pipe Press: 1055 psia                   Pipe Temperature: 77° F
  Max Flame Length: 3 yards
  Burn Duration: ALOHA limited the duration to 1 hour
  Max Burn Rate: 812 pounds/min
  Total Amount Burned: 3,747 pounds

THREAT ZONE:
  Threat Modeled: Thermal radiation from jet fire
  Red    : 13 yards --- (15.7 kW/(sq m))
```

```
SITE DATA:
  Location: TRACY, CALIFORNIA
  Building Air Exchanges Per Hour: 0.63 (unsheltered single storied)
  Time: February 24, 2013  1720 hours PST (using computer's clock)

CHEMICAL DATA:
  Chemical Name: METHANE                  Molecular Weight: 16.04 g/mol
  PAC-1: 2900 ppm    PAC-2: 2900 ppm      PAC-3: 17000 ppm
  LEL: 50000 ppm     UEL: 150000 ppm
  Ambient Boiling Point: -258.8° F
  Vapor Pressure at Ambient Temperature: greater than 1 atm
  Ambient Saturation Concentration: 1,000,000 ppm or 100.0%

ATMOSPHERIC DATA: (MANUAL INPUT OF DATA)
  Wind: 3 meters/second from N at 3 meters
  Ground Roughness: urban or forest       Cloud Cover: 5 tenths
  Air Temperature: 77° F                  Stability Class: D
  No Inversion Height                     Relative Humidity: 50%

SOURCE STRENGTH:
  Flammable gas escaping from pipe (not burning)
  Pipe Diameter: 3 inches                 Pipe Length: 26400 feet
  Unbroken end of the pipe is closed off
  Pipe Roughness: smooth                  Hole Area: 0.785 sq in
  Pipe Press: 1055 psia                   Pipe Temperature: 77° F
  Release Duration: ALOHA limited the duration to 1 hour
  Max Average Sustained Release Rate: 681 pounds/min
     (averaged over a minute or more)
  Total Amount Released: 3,747 pounds

THREAT ZONE:
  Threat Modeled: Flammable Area of Vapor Cloud
  Model Run: Gaussian
  Red   : 60 yards --- (50000 ppm = LEL)
```

18-INCH CRUDE OIL PIPELINE

INPUT TABLE

Input Data	Value	Units	Data Source
Product	Crude Oil		Chevron Pipe Line Company
Diameter	18	inches	Same as above
Pressure	920	psig	Proprietary - based on pressure of similar diameter pipeline
R0	25	ft	Easement distance
Release Rate - Rupture	743	ft^3/min	CDE Protocol - Pipeline area x flow velocity (1.77 ft^2 x 420 ft/min - default value)
Release Rate - Leak	2.29	ft^3/min	CDE Protocol - 1-inch hole x flow velocity of 420 ft/min
Release Period	15	min	CDE default value
Release Volume - Rupture	11,145	ft^3	Release rate x release period
Release Volume - Leak	34	ft^3	Release rate x release period
Pool Area - Rupture	44,580	ft^2	Assuming depth of pool is 3 inches
Pool Area - Leak	137	ft^2	Assuming depth of pool is 3 inches
Pool Diameter - Rupture	238	ft	Effective diameter = $[4(\text{pool area})/\pi]^{0.5}$
Pool Diameter - Leak	13	ft	Effective diameter = $[4(\text{pool area})/\pi]^{0.5}$
RX(LJF)	36		Pool fire - leak - uncontained spread and ALOHA run
RX(RJF)	330		Pool fire - rupture - uncontained spread and ALOHA run
RX(LFF)	33		Flash fire - leak - uncontained spread and ALOHA run
RX(RFF)	138		Flash fire - rupture - uncontained spread and ALOHA run
RX(LEX)	0		ALOHA - no VCE explosion - uncongested setting
RX(REX)	0		ALOHA - no VCE explosion - uncongested setting
XSEG(LJF)	52		Calculated via CDE Manual
XSEG(RJF)	658		Calculated via CDE Manual
XSEG(LFF)	43		Calculated via CDE Manual
XSEG(RFF)	271		Calculated via CDE Manual
XSEG(LEX)	0		Calculated via CDE Manual
XSEG(REX)	0		Calculated via CDE Manual

BASE AND CONDITIONAL PROBABILITY TABLE

Base		Leak		Rupture		Exposure	
F0	2.30E-03	PC(L)	0.8	PC(R)	0.2	PC(OCC)	0.33
P0	2.30E-03	PC(LIG)	0.09	PC(RIG)	0.03	PC(OUT)	0.25
PAF	1	PC(FIG)	0.95	PC(FIG)	0.95		
PA	2.30E-03	PC(JF)	0.95	PC(JF)	0.95		
		PC(FF)	0.05	PC(FF)	0.05		
		PC(EIG)	0.05	PC(EIG)	0.05		
Calculated Values Base Hazard Probabilities		Leak Impact Probabilities		Rupture Impact Probabilities		Exposure Probability	
PA(LJF)	2.26E-05	PCI(LJF)	6.50E-02	PCI(RJF)	5.42E-03	PC(EXPO)	0.0825
PA(RJF)	2.87E-04	PCI(LFF)	3.42E-03	PCI(RFF)	2.85E-04		
PA(LFF)	1.88E-05	PCI(LEX)	3.60E-03	PCI(REX)	3.00E-04		
PA(RFF)	1.18E-04						
PA(LEX)	0.00E+00						
PA(REX)	0.00E+00						

18-INCH CRUDE OIL PIPELINE

INDIVIDUAL HAZARD PROBABILITIES

Hazard Conditional Probability PC(X)	Base Hazard Probability PA(X)	Conditional Impact Probability Factor PCI(X)	Conditional Exposure Probability PC(EXPO)	PA(X) Value	PCI(X) Value	PC(EXPO) Value	PC(X)
PC(LJF) =	PA(LJF) x	PCI(LJF) x	PC(EXPO) =	2.26E-05	6.50E-02	0.0825	1.21E-07
PC(RJF) =	PA(RJF) x	PCI(RJF) x	PC(EXPO) =	2.87E-04	5.42E-03	0.0825	1.28E-07
PC(LFF) =	PA(LFF) x	PCI(LFF) x	PC(EXPO) =	1.88E-05	3.42E-03	0.0825	5.29E-09
PC(RFF) =	PA(RFF) x	PCI)RFF) x	PC(EXPO) =	1.18E-04	2.85E-04	0.0825	2.78E-09
PC(LEX) =	PA(LEX) x	PCI(LEX) x	PC(EXPO) =	0.00E+00	3.60E-03	0.0825	0.00E+00
PC(REX) =	PA(REX) x	PCI(REX) x	PC(EXPO) =	0.00E+00	3.00E-04	0.0825	0.00E+00

INDIVIDUAL RISK SUMMARY

IR(X)		Maximum PF(X)	Hazard Conditional Probability PC(X)	IR(X)
IR(LJF) =		1	1.21E-07	1.21E-07
IR(RJF) =		1	1.28E-07	1.28E-07
IR(LFF) =		1	5.29E-09	5.29E-09
IR(RFF) =		1	2.78E-09	2.78E-09
IR(LEX) =		0	0.00E+00	0.00E+00
IR(REX) =		0	0.00E+00	0.00E+00
TIR =				**2.57E-07**

Text Summary

ALOHA® 5.4.3

```
SITE DATA:
  Location: TRACY, CALIFORNIA
  Building Air Exchanges Per Hour: 0.63 (unsheltered single storied)
  Time: February 22, 2013  1716 hours PST (using computer's clock)

CHEMICAL DATA:
  Chemical Name: N-HEXANE                 Molecular Weight: 86.18 g/mol
  AEGL-1 (60 min): N/A   AEGL-2 (60 min): 3300 ppm   AEGL-3 (60 min): 8600 ppm
  IDLH: 1100 ppm     LEL: 12000 ppm       UEL: 72000 ppm
  Ambient Boiling Point: 155.4° F
  Vapor Pressure at Ambient Temperature: 0.20 atm
  Ambient Saturation Concentration: 201,097 ppm or 20.1%

ATMOSPHERIC DATA: (MANUAL INPUT OF DATA)
  Wind: 3 meters/second from N at 3 meters
  Ground Roughness: urban or forest       Cloud Cover: 5 tenths
  Air Temperature: 77° F                  Stability Class: D
  No Inversion Height                     Relative Humidity: 50%

SOURCE STRENGTH:
  Burning Puddle / Pool Fire
  Puddle Diameter: 238 feet               Average Puddle Depth: 3 inches
  Initial Puddle Temperature: Air temperature
  Flame Length: 95 yards                  Burn Duration: 8 minutes
  Burn Rate: 56,400 pounds/min
  Total Amount Burned: 455,486 pounds

THREAT ZONE:
  Threat Modeled: Thermal radiation from pool fire
  Red    : 157 yards --- (15.7 kW/(sq m))
```

Text Summary

ALOHA® 5.4.3

```
SITE DATA:
  Location: TRACY, CALIFORNIA
  Building Air Exchanges Per Hour: 0.63 (unsheltered single storied)
  Time: February 22, 2013  1716 hours PST (using computer's clock)

CHEMICAL DATA:
  Chemical Name: N-HEXANE                 Molecular Weight: 86.18 g/mol
  AEGL-1 (60 min): N/A   AEGL-2 (60 min): 3300 ppm   AEGL-3 (60 min): 8600 ppm
  IDLH: 1100 ppm     LEL: 12000 ppm       UEL: 72000 ppm
  Ambient Boiling Point: 155.4° F
  Vapor Pressure at Ambient Temperature: 0.20 atm
  Ambient Saturation Concentration: 201,097 ppm or 20.1%

ATMOSPHERIC DATA: (MANUAL INPUT OF DATA)
  Wind: 3 meters/second from N at 3 meters
  Ground Roughness: urban or forest       Cloud Cover: 5 tenths
  Air Temperature: 77° F                  Stability Class: D
  No Inversion Height                     Relative Humidity: 50%

SOURCE STRENGTH:
  Evaporating Puddle (Note: chemical is flammable)
  Puddle Diameter: 238 feet               Average Puddle Depth: 3 inches
  Ground Type: Default soil               Ground Temperature: 77° F
  Initial Puddle Temperature: Air temperature
  Release Duration: ALOHA limited the duration to 1 hour
  Max Average Sustained Release Rate: 1,880 pounds/min
     (averaged over a minute or more)
  Total Amount Released: 90,324 pounds

THREAT ZONE:
  Threat Modeled: Flammable Area of Vapor Cloud
  Model Run: Heavy Gas
  Red   : 46 yards --- (12000 ppm = LEL)
  Note: Threat zone was not drawn because effects of near-field patchiness
    make dispersion predictions less reliable for short distances.
```

```
SITE DATA:
  Location: TRACY, CALIFORNIA
  Building Air Exchanges Per Hour: 0.63 (unsheltered single storied)
  Time: February 22, 2013  1716 hours PST (using computer's clock)

CHEMICAL DATA:
  Chemical Name: N-HEXANE                 Molecular Weight: 86.18 g/mol
  AEGL-1 (60 min): N/A   AEGL-2 (60 min): 3300 ppm   AEGL-3 (60 min): 8600 ppm
  IDLH: 1100 ppm     LEL: 12000 ppm       UEL: 72000 ppm
  Ambient Boiling Point: 155.4° F
  Vapor Pressure at Ambient Temperature: 0.20 atm
  Ambient Saturation Concentration: 201,097 ppm or 20.1%

ATMOSPHERIC DATA: (MANUAL INPUT OF DATA)
  Wind: 3 meters/second from N at 3 meters
  Ground Roughness: urban or forest       Cloud Cover: 5 tenths
  Air Temperature: 77° F                  Stability Class: D
  No Inversion Height                     Relative Humidity: 50%

SOURCE STRENGTH:
  Burning Puddle / Pool Fire
  Puddle Diameter: 13 feet                Average Puddle Depth: 3 inches
  Initial Puddle Temperature: Air temperature
  Flame Length: 12 yards                  Burn Duration: 8 minutes
  Burn Rate: 168 pounds/min
  Total Amount Burned: 1,359 pounds

THREAT ZONE:
  Threat Modeled: Thermal radiation from pool fire
  Red    : 12 yards --- (15.7 kW/(sq m))
```

18-Inch Crude Oil Pipeline
Leak - Flammable Vapor Cloud

Text Summary

ALOHA® 5.4.3

```
SITE DATA:
  Location: TRACY, CALIFORNIA
  Building Air Exchanges Per Hour: 0.63 (unsheltered single storied)
  Time: February 22, 2013  1716 hours PST (using computer's clock)

CHEMICAL DATA:
  Chemical Name: N-HEXANE                 Molecular Weight: 86.18 g/mol
  AEGL-1 (60 min): N/A   AEGL-2 (60 min): 3300 ppm   AEGL-3 (60 min): 8600 ppm
  IDLH: 1100 ppm     LEL: 12000 ppm       UEL: 72000 ppm
  Ambient Boiling Point: 155.4° F
  Vapor Pressure at Ambient Temperature: 0.20 atm
  Ambient Saturation Concentration: 201,097 ppm or 20.1%

ATMOSPHERIC DATA: (MANUAL INPUT OF DATA)
  Wind: 3 meters/second from N at 3 meters
  Ground Roughness: urban or forest       Cloud Cover: 5 tenths
  Air Temperature: 77° F                  Stability Class: D
  No Inversion Height                     Relative Humidity: 50%

SOURCE STRENGTH:
  Evaporating Puddle (Note: chemical is flammable)
  Puddle Diameter: 13 feet                Average Puddle Depth: 3 inches
  Ground Type: Default soil               Ground Temperature: 77° F
  Initial Puddle Temperature: Air temperature
  Release Duration: ALOHA limited the duration to 1 hour
  Max Average Sustained Release Rate: 7.24 pounds/min
     (averaged over a minute or more)
  Total Amount Released: 331 pounds

THREAT ZONE:
  Threat Modeled: Flammable Area of Vapor Cloud
  Model Run: Gaussian
  Red    : less than 10 meters(10.9 yards) --- (12000 ppm = LEL)
  Note: Threat zone was not drawn because effects of near-field patchiness
     make dispersion predictions less reliable for short distances.
```

APPENDIX H

HAZARDS AND HAZARDOUS MATERIALS

H.2: Phase I Environmental Site Assessment

PHASE I ENVIRONMENTAL SITE ASSESSMENT FOR:

CORDES RANCH

SPECIFIC PLAN AREA

prepared for:

CITY OF TRACY

Contact:
Mr. Bill Dean
Assistant Director,
Development and
Engineering Services

prepared by:

THE PLANNING CENTER|DC&E

Contact:
Karl Rodenbaugh, D.Env.
Senior Scientist

~~***MARCH 2013***~~
REVISED JULY 2013

PHASE I ENVIRONMENTAL SITE ASSESSMENT FOR:

CORDES RANCH

SPECIFIC PLAN AREA

prepared for:

CITY OF TRACY

Contact:
Mr. Bill Dean
Assistant Director,
Development and
Engineering Services

City Hall
333 Civic Center Plaza
Tracy, California 95376

prepared by:

THE PLANNING CENTER|DC&E

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TCY-05.OE
~~MARCH 2013~~
REVISED JULY 2013

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The City of Tracy is preparing an Environmental Impact Report (EIR) to assess the potential environmental impacts of approving the Cordes Ranch Specific Plan (the Specific Plan). The 1,780-acre Specific Plan Area (also the "Site" or "Project Area") is located on the eastern slope of the Altamont Pass in unincorporated San Joaquin County, California, adjacent to and south of Interstate 205 near Mountain House Parkway and northeast of Interstate 580, directly adjacent to the City limits.

The Planning Center|DC&E was retained by the City of Tracy to conduct a Phase I Environmental Site Assessment (ESA) in support of the Draft EIR being prepared for the Specific Plan. The primary objective of the Phase I ESA was to identify and evaluate historical and/or current activities that resulted in, or potentially could have resulted in, environmental impairment to the Specific Plan Project Area through the release of hazardous substances (including petroleum compounds) to soil, soil gas, groundwater, or surface water. Both on-site and off-site sources of potential environmental concern were considered.

The Project Area is nearly flat, sloping gradually from an elevation of approximately 220 feet at the southwest Specific Plan Area corner to an elevation of 90 feet at the northeast Specific Plan Area corner, with a general slope of approximately 1 percent.

The Specific Plan Area consists primarily of agricultural land, currently utilized for irrigated crop production, dry farming, and periodic cattle grazing. There are several existing buildings and structures within the Project Area including: eleven existing residences and associated structures; a PG&E gas facility; two public roadways (Mountain House Parkway and Hansen Road); and a cell tower installation and related equipment building.



Historically, the Specific Plan Area was predominately agricultural and undeveloped land with a few residences and other structures. Improvements in the form of additional roadways, residences, and other structures were added periodically since the 1950's. Topographically, the Site remains largely as it existed in 1907.

Existing power, gas and oil utility lines that traverse the specific Plan Area include: two sets of overhead PG&E electric power transmission lines, four underground PG&E natural gas pipelines, and one underground oil pipeline (Chevron). A former oil pipeline (Shell) beneath the Site has been abandoned and partially removed.

Three existing surface water and storm water conveyance facilities traverse the Project Area, including: a segment of the Delta-Mendota canal; a segment of the West Side Irrigation District Canal; and, an existing swale and drainage channel that extends from the southern Specific Plan area boundary to the mid-portion of the Specific Plan area, terminating at a small basin. In addition, an historic stock pond of approximately 2 acres is present in the northwest corner of the Project Area.

It is The Planning Center|DC&E's professional opinion that an appropriate level of inquiry has been made into previous activities and uses of the Site in an effort to protect future occupants from significant exposures to hazardous substances and safety hazards. Recognized Environmental Conditions (RECs) have been identified, discussed, and further evaluated as part of this Phase I ESA. Based on the findings of this Phase I ESA, it is The Planning Center|DC&E's further professional opinion that no RECs remain in connection with the Site, with the exception of the following:

- ***Asbestos-Containing Materials (ACM) and Lead-Based Paint (LBP)*** – Some of the buildings and structures currently occupying the Specific Plan Area were constructed in between circa 1940 and the early 1980's and, therefore, could contain ACM and/or LBP. The building materials

should be assessed for ACM and LBP by a certified professional in accordance with agency guidance and, if necessary, abated prior to building demolition.

- ***Shell Pipeline Release Site*** – Crude oil released from a former Shell pipeline underneath the Specific Plan Area has been under investigation since 2001. Soil, soil vapor and groundwater (approximately 30 feet bgs) have been significantly impacted. A timeline for completion of remedial actions cannot be estimated at this time. Depending upon the success of the remedial actions with respect to the development timeline, vapor intrusion concerns could exist at the time of development. In such a case, implementation of engineering controls on building placement or designs, particularly for below grade structures, may be required.

- ***Pesticide Residuals*** - The Specific Plan Area has historically been used for agricultural purposes. Records indicate periodic routine use of herbicides, insecticides, and rodenticides on the agricultural land encompassing most of the Specific Plan Area over most of the five year period reviewed (2008 – 2013).The possibility that pesticides were or are likely to have been stored, mixed, or disposed of on the property it is possible that they may be present in soil at these isolated locations. In order to address this possibility, a limited soil sampling program for OCPs is recommended for the land around existing structures or other areas where pesticides may have been stored or mixed on the plan area, prior to development of these areas.

Other features and issues of potential environmental concern at the Site identified during this Phase I ESA include:

- ***Former Natural Gas Well*** - A natural gas well formerly existed on the southern portion of the specific Plan Area, east of Hansen Road (Figure 3). The non-producing well was drilled and abandoned in 1959. However, no records were available indicating a formal review of the abandonment procedures was performed. A formal review of abandonment procedures and inspection of the well location and seal would be required prior to development of the Site in the vicinity of the former gas well. However, given that the well was non-producing, the feature is not anticipated to pose an environmental concern to the Site.

- ***Historical Release Site*** - The Tri-State Motor Transit Company, located at 25501 Patterson Pass Road, adjacent to the southwest corner and up gradient of the Specific Plan Area, was identified as a petroleum release site based on historical State records more than 20 years ago. The site was not identified as a release site on contemporary State records. A telephone inquiry to the local UST regulatory agency – San Joaquin County Environmental Health Department – also yielded no records of release or investigation at the site. A written request for records from the local agency still is being processed. However, based on the lack of contemporary records and inactive status of the historical investigation, it is reasonable to conclude the historical release is/was likely a low priority case and any potential impact is unlikely to adversely affect commercial development in the Specific Plan Area.

1.1 PROJECT BACKGROUND

The Cordes Ranch Specific Plan involves the adoption and implementation of a General Plan amendment and the Specific Plan; the execution of one or more development agreements to implement the Specific Plan; annexation of the 1780-acre Specific Plan Area to the City of Tracy; and development of the Specific Plan Area consistent with the Specific Plan (collectively, the "Project"). A regional map showing the Project location is presented as Figure 1. The Specific Plan Area is depicted on Figure 2.

The Cordes Ranch Specific Plan proposes the development of 1,463 acres with commercial, office, and manufacturing, warehouse, and distribution uses. The remaining 318 acres would consist of roads, parks, open spaces, detention basins, wetland preservation areas, and utility and water easements.

The vision for the Specific Plan is to create a commerce and business park, providing flexibility in development so that a variety of uses can be attracted to develop within Tracy. The development described in the Specific Plan would occur as development applications are brought forth by property owners. Development of the Specific Plan would involve site grading and the demolition of on-site existing structures, except for the PG&E gas facility, overhead electrical transmission lines, six underground pipelines, cell tower installation and related equipment building, and the Delta Mendota Canal.

1.2 OBJECTIVES

The Planning Center|DC&E has been retained by the City of Tracy to conduct a Phase I Environmental Site Assessment (ESA) of the Cordes Ranch Specific Plan Area as part of its due diligence responsibilities for implementation of the Specific Plan and associated property redevelopment. The primary objective then of the Phase I ESA was to identify historical and/or current activities that resulted in, or potentially could have resulted in, environmental impairment to the Site through the release of hazardous substances (including petroleum compounds) to soil, soil gas, groundwater, or surface water). Both on-site and off-site sources of potential environmental concern were considered.

1.3 SCOPE OF SERVICES

The Phase I ESA was conducted in substantial conformance with the American Society for Testing and Materials (ASTM) *Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process (E 1527-05),* approved November 1, 2005. Tasks included the following:

- Visual observation of Site conditions and nearby land uses to evaluate the nature and type of activities that have been or are being conducted, particularly with respect to the potential for release of hazardous substances or petroleum products.

- Review of Federal, State, and local environmental database information within ASTM-specified distances from the Site using a private database service to access records.

- Review of available public agency environmental files pertaining to the Site and nearby properties with the potential to impact the Site.

- Acquisition and review of historical reports and records, including maps and aerial photographs.

- Contacts with State and local agencies regarding the Site and surrounding properties.

- Development of an environmental setting (e.g., geology, hydrogeology, etc.) using topographic maps and other publicly available resources.

- Installation of soil borings and temporary soil gas probes to collect soil and soil gas samples for laboratory analysis.

- Interpretation of information and data assembled as a result of the above tasks and formulation of conclusions regarding the potential presence and impact of recognized environmental conditions (RECs), as defined by the ASTM E 1527-05 standard.

Access to the Site was via public roadways. Limitations of this Phase I ESA are discussed in Section 8.1.

1.4 AGENCY GUIDANCE UTILIZED FOR THE STUDY

In addition to the ASTM E 1527-05 standard, the following regulations and agency guidance were relevant to the preparation of this Phase I ESA:

- California Department of Toxic Substances Control (DTSC). Interim Guidance for Sampling Agricultural Properties (Third Revision), California DTSC, Cal-EPA, April 7, 2008.

- DTSC. *Preliminary Endangerment Assessment Guidance Manual*, DTSC, June 1999 (second printing)

1.5 PREVIOUS ENVIRONMENTAL INVESTIGATIONS UTILITZED FOR THE STUDY

Four previous Phase I ESAs prepared for discrete portions of the Specific Plan Area were reviewed and utilized by The Planning Center|DC&E in the preparation of this Phase I ESA:

- URS, Inc., 2012. Phase I Environmental Site Assessment, Tracy Pritzer Property, Tracy, San Joaquin County California. Unpublished professional report prepared for Prologis Inc. July 25, 2012.

- Tetra Tech, Inc., 2007. Phase I Environmental Site Assessment, Agricultural Land, 24007 South Hansen Road, San Joaquin County, California 95377. Unpublished professional report prepared for TC No. Cal. Development, Inc. c/o EASI. June 14, 2007.

- United Soil Engineering, Inc., (USEI).1999. Phase I Environmental Site Assessment (ESA) for the Patterson Pass property at 24000 Mountain House Road (formerly South Patterson Pass Road), Tracy, California. Unpublished professional report prepared for Reynolds & Brown, May 17, 1999.

- Construction Testing and Engineering, Incorporated ("CTE"), 1997. Phase I Environmental Site Assessment (ESA) report for the Bob-A-Lou Farms Property, Tracy, California. Prepared for Commercial Real Estate Services, Walnut Creek, California. December 19, 1997.

The discrete portions of the Specific Plan Area that each of the above previous Phase I ESAs addressed is depicted on Figure 3.

2.1 SITE LOCATION AND DESCRIPTION

The Specific Plan Area (or "Site") is located on the eastern slope of the Altamont Pass in unincorporated San Joaquin County, California, approximately an hour and a half east of San Francisco (Figure 1). The Specific Plan Area is bordered by Interstate 205 to the north, Mountain House Parkway and the Delta Mendota Canal to the west, West Schulte Road to the south, and the Tracy City limit to the east (Figure 2).

The Site comprises 25 contiguous parcels that total approximately 1780 acres, as shown on the Parcel Map in Appendix A.

The Specific Plan Area is nearly flat, sloping gradually from an elevation of approximately 220 feet at the southwest Specific Plan Area corner to an elevation of 90 feet at the northeast Specific Plan Area corner, with a general slope of approximately one percent.

2.2 CURRENT SITE USES AND IMPROVEMENTS

There are several existing buildings and structures within the Specific Plan Area including: eleven existing residences and associated structures; a PG&E gas maintenance facility (Tracy Yard); two public roadways (Mountain House Parkway and Hansen Road); and a cell tower installation and related equipment building. The remainder of the Site consists primarily of agricultural land, currently utilized for irrigated crop production, dry farming, and periodic cattle grazing.

There are several utility lines that traverse the Plan Area:

Two Pacific Gas & Electric (PG&E) natural gas pipelines and a Chevron crude oil pipeline are located within a 50-foot easement that traverses the Plan area from the northwest to the southeast. In addition, there is one PG&E natural gas pipeline in a 65-foot easement that crosses the Delta Mendota Canal and is aligned in a southwest-northeast direction terminating at the PG&E Tracy maintenance yard. Finally, there is a PG&E natural gas pipeline in a 50-foot easement that begins at the PG&E Tracy yard and trends to the southeast paralleling the other PG&E 50-foot easement for a short distance before turning east across the northern portion of the property and eventually trending northeast paralleling the PG&E transmission line easement. The locations of these pipeline easements are shown on Figure 2.

There was a former Shell crude oil pipeline that trended northwest to southeast and was parallel to but about 2,400 feet east of the 50-foot PG&E easement. However, this pipeline was abandoned by Shell and portions of the pipeline were removed in 2001. Over excavation of contaminated soil was performed during pipeline removal. Residual contamination from this pipeline is currently under investigation by the Regional Water Quality Control Board (RWQCB) and is discussed in Section 5.3.1 of this Phase I ESA. The investigation area is depicted on Figure 3.

There are PG&E overhead electrical transmission lines within easements, as shown on Figure 2.

Three existing water and storm water conveyance facilities traverse the Specific Plan Area:

- The Delta-Mendota canal enters at the southern Specific Plan Area boundary and extends northwest and exits the property at Mountain House Parkway, and then parallels the western Specific Plan Area boundary.

- The West Side Irrigation District Canal enters at the mid-portion of the eastern Specific Plan Area boundary and extends northwest and exits at the proposed Commerce Drive and parallels the Specific Plan Area boundary.

- An existing swale and drainage channel extends from the southern Specific Plan Area boundary to the mid-portion of the Specific Plan Area, terminating at a small basin. From this basin, a series of ditches convey the storm water to the east to Hansen Road, and then north along Hansen Road to a pumping station that pumps the storm water to the north side of Interstate 205. The channel and basin area have both been delineated as jurisdictional wetlands.

Also, in the northwest corner of the Specific Plan Area is a historic stock pond of approximately 2 acres. It extends west from the base of an existing slope bank as a narrow overland flow, and widens once it reaches the leveled field portion of the Specific Plan Area, and then extends north to Interstate 205 where it enters into a culvert which drains to the north side of Interstate 205.

2.3 PAST SITE USES

Aerial photographs, historical records and previous assessment reports reviewed indicate the Specific Plan Area land uses since the 1950's were predominately agricultural and undeveloped land with a few residences and other structures. Improvements in the form of additional roadways, residences, and other structures were added periodically since the 1950's. Structures at the Site range in age from circa 1940 to 1989 (see Appendix A). In terms of topography, based on topographic maps reviewed, the Site remains largely as it existed in 1907.

2.4 DESCRIPTION OF ADJACENT OFF-SITE PROPERTIES

Properties in the vicinity of the Site are used primarily for agricultural, residential and commercial purposes.

The Patterson Pass Business Park, with distribution centers, warehouses and other business activities, is adjacent to the south and west, as shown on Figure 2. Also adjacent to the Specific Plan Area is the existing South County Fire Authority Station 94/California Department of Fire Station 26, located at the southwest corner of Hansen Road and Old Schulte Road.

The Tracy Biomass Plant is located to the southeast of the Specific Plan Area, south of West Schulte Road, in unincorporated San Joaquin County. The plant is owned by the US Renewable Group and is operated and maintained by the North American Energy Services Company.

The unincorporated 421-acre residential community of Lammersville is located directly north of the Specific Plan Area. Agricultural lands and residential and urban development uses are located to the east of the Specific Plan Area.

3.1 TOPOGRAPHY

The landform of the Specific Plan Area vicinity is typified by very flat topography, with typical slopes of less than 1 degree, generally towards the northeast.

3.2 GEOLOGY

The Specific Plan Area is located on the west edge of the Central Valley, an important geomorphic province that trends northwest-southeast, lying between the Sierra Nevada Mountains to the east and the Coast Ranges to the west. The Central Valley represents a deep sedimentary trough, and it spans a length of more than 400 miles through the geographic center of the state. In turn, the Coast Range province is comprised of a series of parallel, linear ranges separated by structural depressions. The Diablo Range, immediately west of the Specific Plan Area, is the eastern-most of these linear ranges. Numerous faults and shear zones are present in the ranges, the most prominent of which is the San Andreas Fault system.

3.3 HYDROGEOLOGY

Based on surface topography, groundwater is anticipated to be toward the northeast. Soils underneath the Site consist of sands, silts, clays and gravels, deposited as alluvial fans. Depth to gropundwater at the Site is approximately 30 to 40 feet below ground surface (bgs).

3.4 SURFACE WATER

Based on a review of topographic maps in the vicinity of the Specific Plan Area, surface water flow is generally directed to the northeast. In the vicinity of the Specific Plan Area, the otherwise natural drainage pattern is intersected by three prominent, engineered features. The Delta-Mendota Canal is a nearly 120 mile-long aqueduct that is part of the Central Valley Project. Its function is to restore water to the San Joaquin River drainage that has been diverted at upstream locations to the southeast, notably, the Friant Dam located roughly 15 miles northeast of Fresno, California. The second feature is the California Aqueduct, part of the California State Water Project (SWP). One important role of the aqueduct is the transfer of water from the Sacramento Delta in north-central California for agricultural use and domestic consumption elsewhere in Central and Southern California. The third feature is an irrigation canal known as the “Upper Main Canal” operated by the West Side Irrigation District (WSID).

3.5 POTENTIAL OIL AND GAS FIELD/WELL ISSUES

According to the Division of Oil, Gas & Geothermal Resources (DOGGR) web site reviewed during the URS (2012) ESA, one natural gas well formerly existed on the southern portion of the subject property, east of Hansen Road (see Figure 3). Inspection of this area revealed a slight soil depression with buried wood planks at the approximate former well location. This natural gas well is identified as Weaver-Cordes 1 (API 07700337). The well was drilled in 1959 to a depth of 8,222 feet bgs. The well is listed as non-producing and was abandoned in 1959. Documents indicate the well was not abandoned to the surface for the purpose of converting the boring to a water well. Copies of the natural gas well files from DOGGR are included in Appendix E.

During their ESA, URS interviewed DOGGR representative Mr. B.G. Tackett regarding the Site gas well abandonment procedures. Mr. Tackett indicated converting borings to groundwater wells was common practice during this period, and often the conversion would not be performed. Mr. Tackett indicated a

formal review of the abandonment procedures would be required prior to development and at a minimum the well location and surface sealed would need to be inspected. Given that the well was non-producing, the feature is not anticipated to pose an environmental concern to the Site.



4.1 AERIAL PHOTOGRAPHS

Historical aerial photographs were obtained for the Specific Plan Area and surrounding areas during previous ESAs prepared for the discrete sites evaluated in those assessments. Together those discrete sites and surrounding areas comprise the Specific Plan Area (see Figure 3). The photographs were reviewed to identify historical features of the target sites and the surrounding areas. Interpretations of site and surrounding features and conditions based on the aerial photograph review are summarized below.

URS (2012)

Aerial photographs were obtained from EDR. The photographs available for review included the years 1949, 1957, 1968, 1972, 1982, 1993, 1998, 2005, and 2006. Information from review of the aerial photographs is presented below.

1949 – The 1949 aerial photograph depicts the site as primarily undeveloped land with possible limited agricultural activities (field crops). Hansen Road appears to be an unimproved roadway, and limited residential or farm related development exists in the central portion of the site, at the location of current development. The Delta Mendota Canal is present through the southwestern portion of the site, and the Upper Main Canal is present through the northeastern portion of the site. Aboveground high voltage towers are present along the northwestern portion of the site. Traces are visible for the current and former pipeline locations through the central portion of the site. Schulte Road and Mountain House Parkway are present to the south and west, respectively. Surrounding properties are being used for agricultural development, and the only visible structures exist south of the site and appear residential or farm related.

1957 – 1998 – The 1957 through 1998 aerial photographs depict the site similar to the previous photograph, with more distinct row crops on the central portion of the site (APN 209-12-07). These distinctive agricultural activities are expanded to other portions of the site over time. The structures on the central portion of the site appear expanded and more numerous with a long storage style building along the southern portion of the developed area. Hansen Road appears improved by 1972, and developments west and north of the site are present by this time. The Safeway Distribution Center and portions of the Patterson Pass Business park complex are present to the south in 1998. It should be noted that the 1993 photograph does not show complete coverage for the site.

2005 & 2006 – The 2005 and 2006 photographs do not show complete coverage for the site. The photographs depict the developed central portion of the site with fewer buildings; in particular the long storage style building on the southern portion is no longer present. The remainder of the site is shown as being used for agricultural purposes. Surrounding properties are not shown.

Based on URS' review of aerial photographs, since 1949 the site has been used for agricultural purposes with the only development consisting of the central portion along Hansen Road, similar to current conditions. No specific environmental concerns were identified in the aerial photographs. While residual agricultural chemicals could exist in Site soils from historic use of the Specific Plan Area for agricultural purposes, the potential presence of these constituents is considered de minimis under a planned commercial/industrial setting.

Tetra Tech (2007)

Aerial photographs were obtained from EDR of Milford, Connecticut. Aerial photographs dated 1957, 1963, 1982, 1993, and 1998 were reviewed. In addition, Tetra Tech reviewed a 2006 aerial photograph

obtained from the San Joaquin County Geographical Information System (GIS). Descriptions of the features depicted in these photographs are provided below.

1957 - Agricultural land (possible row crops) with no on-site structures. A drainage ditch running along eastern and western property lines. A linear feature is visible on eastern portion of site with NW-SE orientation (possible pipeline or irrigation line). An additional linear feature with N-S orientation on western portion of site (an irrigation line, based on site inspection).Surrounding Areas show agricultural land with complex of buildings (possible house and outbuildings) to east at southeast corner of Hansen Road and I-205.

1963 - No changes in uses of site, except for additional linear feature on site having E-W orientation north of southern property line. Surrounding areas show no changes in uses of adjacent properties apparent, except E-W linear feature noted on site extends onto eastern adjacent properties.

1982 - No changes in uses of site, except for linear features on site having NW-SE and E-W orientations noted in 1963 not visible in 1982 aerial photograph. Surrounding areas show no changes in uses of adjacent properties apparent, except construction of three small complexes of buildings (possibly houses and outbuildings) on eastern adjacent properties.

1993 - No changes in uses of site. Surrounding areas show no changes in uses of adjacent properties except for construction of additional building complex on eastern adjacent properties.

1998 - No changes in uses of site. Possible evidence of water flow across the site from the pond on the southern adjacent properties to the depression at the NE corner of the site. An additional linear feature was observed on site having E-W orientation north of southern property line. Surrounding areas show no changes in uses of adjacent properties.

2006 - No changes in uses of site. The linear feature with a NW-SE orientation was visible faintly on the site. Surrounding areas show no changes in uses of adjacent properties.

United Soil Engineering Inc. (1999)

Historical aerial photographs, prepared by Pacific Aerial Surveys in Oakland, California, were reviewed to evaluate past land uses of the site and surrounding area. Photographs from 1957 through 1996 were examined for recognizable environmental condition that might have adversely impacted the site.

1957 – The site was being used for agricultural purposes. Two small storage structures were located on the western side of the property. The site was surrounded by agricultural land and widely scattered residences. The site and surrounding areas included agricultural land.

1968 – The site appeared similar to the 1957 aerial photograph. The surrounding area included agricultural land and widely scattered residences. The vicinity of the site appeared unchanged since the 1957 aerial photograph.

1979 – The site appeared similar to the 1968 aerial photograph. The site was surrounded by agricultural land and widely scattered residences. The properties to the northeast of the site are being developed as residential subdivisions in this aerial photograph.

1985 - The site appeared as it did in the1979 aerial photograph with the exception of residential development in the southwest corner of the property. The vicinity of the subject site was mostly

undeveloped land at this time, however, the properties to the northeast of the site were being further developed as residential subdivisions in this aerial photograph.

1996 – The site and vicinity generally appeared unchanged, with the exception that a maintenance storage facility (Tracy PG&E Yard) was present on the property adjacent to the southwest of the site.

4.2 SANBORN FIRE INSURANCE MAPS

Historical Sanborn fire insurance maps that depict local land uses can provide useful information regarding residential, commercial, and industrial property uses over time. According to EDR, there are no Sanborn maps available for the Specific Plan Area.

4.3 TOPOGRAPHIC MAPS

Historical topographic maps were obtained for the Specific Plan Area and surrounding areas during previous ESAs prepared for the discrete sites evaluated in those assessments. Together those discrete sites and surrounding areas comprise the Specific Plan Area (see Figure 3).The maps were reviewed to identify historical features of the target sites and the surrounding areas. Interpretations of site and surrounding features and conditions based on the topographic maps review are summarized below.

URS (2012)

Topographic maps were obtained from EDR. The maps available for review included the years 1907, 1953, 1968, and 1980. Information obtained from the topographic map review is summarized below.

1907 - The 1907 topographic map is a Series 15 map and depicts the site area as primarily undeveloped land. Roadways at the locations of Schulte Road and Patterson Pass Road are present, along with Hansen Road. One small residential style building is present at the current developed portion of the site off Hansen Road. An additional small residential style building is shown on the east-central portion of the site. The extreme eastern portion of the site is not shown in the map. A natural drainage area is shown along the eastern portion of the site running in a southwest to northeast direction. Surrounding properties are primarily undeveloped with scattered residential style buildings. Numerous drainage canals exist on surrounding properties, and railroad tracks are present to the distant south of the site.

1953 – 1980 - The 1953 through 1980 topographic maps are Series 7.5 maps and depict the site as primarily undeveloped land. The central developed portion of the site contains six small structures in 1953, eight structures in 1968, and ten structures in 1980. The residential style building observed in 1907 on the east-central portion of the site is no long present, but a small structure is present on the north-central portion of the site in the 1968 map only. Agricultural activities are shown on the southern portion of the site, east and west of Hansen Road in the 1980 map. Two oil pipelines are shown running through the site, and the high voltage lines are also shown. Surface water features described previously are also present, along with surrounding roadways. Surrounding development consists of residential or farm style structures only, with the exception of some potential commercial buildings near the southwestern corner of the site in 1980. The 205 freeway is under construction to the north in the 1953 map, and is completed by 1968. Similarly to the 1907 map, the extreme eastern portion of the Site is not shown in the maps.

No specific RECs were identified in the topographic maps reviewed.

Tetra Tech (2007)

Topographic maps were obtained for review from EDR. Topographic maps dated 1907, 1953, 1968, and 1980 were reviewed. Descriptions of the features depicted on these maps are provided in the table below.

1907 – The site and surrounding areas are shown as undeveloped or vacant land.

1953 - Undeveloped or vacant land. A pipeline is shown running through the eastern portion of the site with a NW-SE orientation. A intermittent stream is shown running through site from southern adjacent properties to the NE corner of site. Power lines passing through eastern part of site with SW-NE orientation. Surrounding areas show undeveloped or vacant land with a structure on eastern adjacent properties at SE corner of Hansen Road and 1-205.

1968 - No changes in uses of site or adjacent properties except for additional small buildings on eastern adjacent properties along Hansen Road.

1980 - No changes in uses of site or adjacent properties except for additional small buildings on eastern adjacent properties along Hansen Road.

5.1 SITE RECONNAISSANCE

The Planning Center|DC&E conducted an inspection of the Specific Plan Area on February 23, 2013 to better assess current Site conditions and features of potential environmental interest. At the same time, a reconnaissance was conducted of the surrounding areas to identify potential activities that could impact the Plan Area and to assess the current status of nearby off-site properties identified in the EDR® Report. Select photographs that were taken during the Site reconnaissance are provided in Appendix B. Weather conditions were mostly clear and warm during the reconnaissance, and there were no conditions or limitations that would adversely affect the ability to observe features of interest at the Specific Plan Area or in the surrounding areas.

5.2 INTERVIEWS

The area is mostly agricultural land and current or past owners, occupants or operators were not available to be interviewed; therefore no interviews with current or past owners, occupants, or operators were conducted for this Site reconnaissance.

5.3 ISSUES OF ENVIRONMENTAL INTEREST

The following issues of potential environmental interest were assessed for this Phase I ESA.

5.3.1 Hazardous Material Sites

Seven "hazardous materials sites" were identified on or within ½-mile of the Specific Plan Area, based on review of 1) the RWQCB's GeoTracker database (see Section 6.2.1) and 2) the Environmental Data Resources (EDR) report (see Appendix C) for the Specific Plan Area. The seven sites are located on Figure 4. The criteria used to identify these seven sites and a discussion of each is presented in the remainder of this Section.

GeoTracker is the RWQCB's online database that (1) provides access to statewide environmental data and (2) tracks regulatory data for the following types of sites:

- Leaking Underground Fuel Tank (LUFT) cleanup sites;
- Cleanup Program Sites (CPS; also known as Site Cleanups [SC] and formerly known as Spills, Leaks, Investigations, and Cleanups [SLIC] sites);
- Military sites (consisting of: Military UST sites; Military Privatized sites; and Military Cleanup sites [formerly known as DoD non UST]);
- Land Disposal sites (Landfills); and
- Permitted UST facilities.

The EDR report includes the results of a database search of federal and state environmental records. Specific databases searched and the search radius for each are identified in the EDR report and are consistent with the requirements of ASTM E1527-05. The EDR database report was reviewed to note reported releases of hazardous materials in the vicinity of the Specific Plan Area that are known to have or are expected to result in an environmental condition that could adversely impact the Specific Plan

Area. Reported release sites listed in the regulatory agency database search report were evaluated with respect to the nature and extent of a given release, the distance of the reported release from the Specific Plan Area, and the position of a reported release with respect to known or expected local and/or regional groundwater flow direction. Generally, reported release sites located within ½-mile up-gradient, ¼-mile cross-gradient, or adjacent down-gradient were considered to have a potential to impact the Specific Plan Area, and are discussed below. Properties that were listed in the EDR database search report, but were not identified as a release site (for example, a site listed as a hazardous waste generator but not as having had a release) were not considered to have a potential to impact the Specific Plan Area. Non-release sites identified adjacent to the Specific Plan Area generally are not discussed.

A GeoTracker database search, conducted on February 25, 2013, revealed six sites on or within ½-mile of the Specific Plan Area. A seventh site within ½ mile of the Specific Plan Area, not identified on GeoTracker, was identified on the RWQCB's SLIC (Spills, Leaks, Investigation and Cleanup) list during review of the EDR report.

The seven hazardous material sites on or within ½-mile of the Specific Plan Area are depicted in Figure 4 by site number, and are discussed below:

- **Site 1**: **Other Cleanup Site, Shell Oil**, located along Hansen Road, within the Specific Plan Area. This site is the location of a crude oil release from a former pipeline, which release was subject to a subsequent investigation and on-going cleanup. Historically, Shell operated two pipelines (8-inch and 10-inch diameter) running in a northwest-southeast orientation east of Hansen Road and north of Schulte Road. In 2001 Shell abandoned the pipelines and removed portions of the pipelines in advance of anticipated development. The pipelines were buried at a depth of approximately 4 feet below ground surface (bgs). During pipeline removal, six areas referred to as Trenches 1 through 6 were observed to be impacted by petroleum hydrocarbons. Shell over excavated two trenches to depths ranging from 6 to 20 feet bgs and excavated to 4 feet bgs at 4 additional trenches.

  Since the discovery of soil contamination, numerous soil borings have been in-stalled and soil samples analyzed. The site currently contains approximately 19 groundwater monitoring wells and three nested vapor monitoring wells. Quarterly groundwater monitoring reports are submitted to the RWQCB.

  Groundwater has been impacted by dissolved phase petroleum contamination from the Shell pipeline release. In addition, free phase product (crude oil) has been detected ~~floating on the ground of the~~ in the two monitoring wells in the investigation area.

  Given that the pipelines were located 4 feet bgs, and over-excavation was per-formed to a minimum depth of 4 feet bgs, a release from the pipelines would not be expected to impact soils above 4 feet bgs, which is generally confirmed by the soil data. The soil impact, which exists variably in the area, extends to first encountered groundwater, which occurs between 30 and 35 feet bgs. Soil impact has been identified at select locations at depths greater than 130 feet bgs; however, the impact is suspected to be cross-contamination from direct push drilling techniques. Shell's consultants originally speculated that total petroleum hydrocarbon (TPHc) monitoring results observed below 171 feet bgs reflected naturally occurring TPHc or were related to regional oil production, but have subsequently concluded the observed TPHc is related to cross-contamination from direct-push sampling techniques. To date, the RWQCB has not confirmed or agreed with this determination.

The latest site investigation report on GeoTracker, and correspondence with the RWQCB case worker, indicate a complete Conceptual Site Model (CSM) and human health risk assessment (HRA) are being prepared for the site by Shell's consultant (CRA, 2012a; RWQCB 2013a). After publication of these documents, and following the RWQCB's review and concurrence, the RWQCB should be able to define with some certainty future remedial action requirements and cleanup standards for the contamination at this site. Completion of the CSM and HRA are anticipated to occur near the end of April 2013 (RWQCB, 2013b).

Limited soil remedial actions have been performed to date, and additional soil remedial actions may be required by the regulatory agency. Shell's remediation progress will be monitored and the nature and schedule for any future remediation will be considered during redevelopment planning. In the absence of proposed and approved remedial actions, a timeline for completion of remedial actions cannot be estimated at this time. Residual soil impact following completion of remedial actions will likely exist at depths greater than 4 feet bgs. In the event grading or soil excavation activities will be required at depths greater than 4 feet bgs, appropriate precautions would be imposed by the regulatory agency (e.g. Health and Safety Plan for workers, Soil Management Plan). Depending upon the success of the remedial actions with respect to the development timeline, vapor intrusion concerns could exist at the time of development. In such a case, implementation of engineering controls on building placement or designs, particularly for below grade structures, may be required.

In addition, monitoring wells on the subject property will require abandonment following remediation, or replacement if remedial actions are not completed before development of the impacted portion of the Specific Plan Area.

- **Site 2: Permitted UST, Robert Mehring**, located at 16343 Diablo Court, approximately 550 feet to the north of the Specific Plan Area. This is a permitted UST site; no release has been reported.

- **Site 3: Permitted UST, PG&E**, located at 24081 Mountain House Parkway (Patterson Pass Road), within the northwest portion of the Specific Plan Area. This is a permitted UST site; no release has been reported.

- **Site 4: Other Cleanup Site, Tracy Youth Sports Park**, located at 15178 Old (West) Schulte Road. This property is located adjacent to the southeast of the Specific Plan Area (across West Schulte Road) and is relatively cross-gradient with respect to groundwater flow direction. This property is listed as an open, inactive, and unspecified soil release. The case was opened September 1, 2006 and inactive as of May 20, 2009. No other information was provided on GeoTracker. This release is unlikely to affect the Specific Plan Area based on soil only reported impact, absence of regulatory follow up action, and location and orientation relative to the Specific Plan Area.

- **Site 5: Leaking UST Cleanup Site, Former ARCO #6100**, located at 25775 Patterson Pass Road, approximately 2000 feet to the southwest of the Specific Plan Area. This site is relatively up gradient from the Specific Plan Area with respect to groundwater flow direction. The property is the site of a gasoline re-lease with free product migrating to the southeast/east with impact primarily isolated to the subject property. Perched thin lenses of groundwater are impacted; high contaminant mass poses potential migration hazard and hazard to regional groundwater. Initial contamination was detected in 1986. Soil vapor extraction was initiated in 2004. A new remedial action work plan was submitted and approved in 2012. Cleanup via soil vapor extraction is

ongoing. GeoTracker indicates impediments to case closure include inadequate site characterization, and potential risks from vapor intrusion, worker direct exposure hazards and risks not assessed. However, these concerns generally apply only to the immediate vicinity of this site. As a result, this release is unlikely to affect the Specific Plan Area based on distance and existing groundwater data. Nevertheless, given that GeoTracker describes the site as inadequately characterized, it is possible that future characterization of the site and vicinity may yield unexpected results that indicate a potential threat to groundwater (and soil vapor) beneath the Specific Plan Area.

- **Site 6: Other Cleanup Site, Owens Brockway Glass Container Facility**, located at 14700 Old (West) Schulte Road, approximately 700 feet from the southeast corner of the Specific Plan Area. The facility is listed in the EDR report as in-dustrial (glass manufacture). Historically, the facility included waste oil USTs and was identified as a hazardous waste generator. This site is listed as an unspecified release site with a case status on Geo¬Tracker of Open – Inactive in 2002. This site is unlikely to affect the Specific Plan Area based on inactive case status since 2002 and orientation with respect to the Specific Plan Area.

- **Site 7. Other Cleanup Site, Tri-State Motor Transit Co**, located at 25501 Patterson Pass Road, adjacent to the southwest corner of the Specific Plan Area, across Patterson Pass Road (Mountain House Parkway) and Schulte Road. This site is up gradient of the Specific Plan Area with respect to groundwater flow. No information was provided on GeoTracker. However, the EDR report includes a listing from a historical database suggesting a possible historical release of petroleum product at the site more than 20 years ago. The site was identified on the EDR report under the RWQCB's SLIC (Spills, Leaks, Investigation and Cleanup) list, which identifies this property for diesel, gasoline, oil and grease, and solvent releases, with a status of open-inactive as of 1991. The EDR report, under the SWEEPS UST database (a historical statewide database previously maintained for the SWRCB by a private contractor, dated 06/01/1994), also indicates seven (7) USTs at the site on or before 1994, ranging in size from 10,000 to 500 gallons and storing diesel, gasoline, oil and waste oil. However, the EDR report does not list this site as a leaking UST under the current LUST database (the SWRCB's Leaking Underground Storage Tank [LUST] Incident Reports and Tank Information System database list, dated 12/17/2012). In addition, the San Joaquin County Environmental Health Department, Site Mitigation Program, which oversees UST release investigations in the county, reported no file records for this site following a telephone request for information (SJCEHD 2013a). As follow up to the telephone request, a formal written request for site information (e.g., UST monitoring/removal, UST site cleanup, other site cleanup, etc) was submitted to the San Joaquin County Environmental Health Department on March 15, 2013 (SJCEHD 2013b). If any such records exist they may be made available for review in the county offices approximately 10 business days after the written request.

  Because of the orientation and close proximity of this property to the Specific Plan Area, the potential exists for a release from this site to have impacted groundwater beneath the Specific Plan Area. However, given:1) that the reported release was identified on a historical database more than 20 years ago, 2) was not identified on a current leaking UST database, 3) the inactive status and the absence of regulatory follow up actions to the historical reported release, and 4) the absence of any hardcopy files with the county Environmental Health Department for a release or on-going assessment or mitigation at this site, it is reasonable to conclude the historical release is/was likely a low priority case and any potential impact is unlikely to adversely affect commercial development in the Specific Plan Area.

5.3.2 Chemical and Hazardous Material Handling and Storage

The Site is mostly agricultural land. Various residential and farm support structures are present. Structures observed consisted of residential houses, and wood and sheet metal storage sheds. The interior of the structures was not accessible during The Planning Center|DC&E's Site reconnaissance. The storage sheds are used to store agricultural equipment and chemicals. Developed portions of the Site included various usable and discarded agricultural equipment and materials. This included but was not limited to irrigation pipe, used and unused portable and stationary petroleum ASTs, debris piles containing vegetation cuttings and municipal/construction materials, operable and non-operable tractors and trucks, used truck and tractor tires, harvesting equipment, water storage tanks, well equipment, animal pens, and mobile tanker trailers. See Appendix B for photographs of some of these items. The extent of materials on the Specific Plan Area made detailed inspection limited. Additional equipment and debris storage observed included asphalt pile, wood debris pile, harvesting equipment, used tractor tires, and animal watering troughs.

Material and waste storage on the Specific Plan Area is limited to the developed areas of the Site. There are structures and storage sheds in the developed areas that are used to store agricultural chemicals, Substances are stored in original packaging prior to mixing in mobile tanker trailers for use on crops. As indicated above, various debris piles containing asphalt, wood, vegetation, and municipal and construction debris were observed at developed areas. Photographs of some of these areas are included in Appendix B. The size of these debris piles made detailed inspection impractical. While no significant environmental concerns were identified for the wastes, the material will require proper disposal prior to development. No evidence of the use or storage of hazardous chemicals or hazardous waste was observed at the Site during the reconnaissance, other than petroleum ASTs and agricultural chemicals. No other evidence of chemical spills or releases was observed during the Site reconnaissance.

5.3.3 Aboveground and Underground Storage Tanks

As noted above, used and unused portable and stationary petroleum ASTs were observed at 24915 Hansen Road (see Photo Nos. 5 and 6 in Appendix B). Also, a mobile mixing tank was observed at the residence at 24332 Hansen Road. As discussed in Section 5.3.1, there is a permitted UST at the PG&E Tracy Yard facility at 24081 Mountain House Parkway; no release has been reported from this UST. No other on-site aboveground or underground storage tanks were observed during the Site reconnaissance. Furthermore, the agency records and historical documents reviewed do not indicate that any other such tanks historically were, or currently are, present at the Site.

The EDR report lists two off-site AST sites adjacent to the Specific Plan Area, in addition to the USTs and ASTs discussed above and in section 5.3.1.The Safeway Distribution Center at 16900 West Schulte Road, adjacent and to the south of the Specific Plan Area reportedly has ASTs with total capacity of 42,460 gallons. The Owens Brockway facility at 14700 West Schulte Road has AST(s) totaling 2078 gallons capacity. There are no reports or evidence of releases or environmental concerns for either of these AST sites.

5.3.4 Agricultural Use

The Specific Plan Area currently is predominantly used for agriculture. A review of historical aerial photographs, topographic maps, and other records indicates that predominantly agricultural activities were conducted at portions of the Site since at least approximately the 1950s.

5.3.5 Pesticide Application

Much of the Specific Plan Area has historically been used for agricultural purposes. A Pesticide Use Report (PUR) public records request was made to the San Joaquin County Agricultural Commissioner's office for the Specific Plan Area, by APN numbers. The requested PUR records received from the county cover the past five years (2008 – 2013) and are reproduced as Appendix D. The records include data for the following growers: Stephen Alegre, Holdener Ranches, Albert Lafrancis, and Mark Gouvaia. Crops grown were mostly barely, wheat, oats, and alfalfa, as well as lesser amounts of forage hay, corn, ryegrass and dry beans. The PUR records indicate periodic routine use of herbicides, insecticides, and rodenticides on the agricultural land encompassing most of the Specific Plan Area over most of the five year period reviewed. Categories of pesticides applied include organophosphate insecticides (e.g., methyl parathion), carbamate insecticides (e.g., Methomyl), chloro-phenoxy herbicides (e.g., MCPA dimethylamine), and others. The PUR records do not indicate any routine use of organochlorine (OCP) insecticides (e.g., DDT, Dieldrin, etc.) the category of pesticide that is most persistent in the environment.

Previous Environmental Site Assessments (ESAs) for portions of the Specific Plan Area have included Phase I assessments of potential past use of pesticides, as well as limited Phase II soil sampling programs to screen for residual pesticide contamination, as summarized below:

- **Bob-A-Lou Farms Property**; Phase I ESA prepared by Construction Testing and Engineering, Inc., (1997). This property represents the northwest portion of the Specific Plan Area, west of Mountain House Parkway (see Figure 3). The Phase I ESA noted that chemical farming methods were used on the property, including from the 1960s through the 1980s. Row crops farmed included alfalfa, corn, wheat and oats. Specific pesticides reportedly used historically included Ambush, Lorsban, and Lomate, as well as herbicides Roundup, Gowan, Direx, and Velpar. The report concluded that the on-site farming business had properly handled agricultural chemicals and petroleum products and there was "No evidence of significant volumes of spillage (other than minor surface spills) was observed in areas used for the storage of agricultural chemicals and petroleum products."

- **Property at 24007 Hansen Road**; Phase I ESA prepared by Tetra Tech, Inc., (2007). This 106-acre property, identified as APN 209-460-31, is a rectangular parcel located along the northern boundary of the Specific Plan Area and at the southwest corner of Hansen Road and Interstate 205 (see Figure 3). The site was used for dry hay farming prior to 1940; used for growing barley, oats, and wheat from the 1940s through the 1960s; and used for growing alfalfa since the 1970s. No pesticide/herbicide mixing activities, pesticide/herbicide storage, or farm equipment fueling/maintenance were reported to have been conducted at the site. A limited Phase II subsurface investigation conducted by Tetra Tech on August 15, 2007, included collecting a total of 20 soil samples at depths of approximately 0.5 and 2 feet below ground surface (bgs) from soil borings drilled using hand auger equipment at 20 locations. The soil samples were collected at locations distributed across the site on a grid to provide relatively uniform areal coverage. No evidence of elevated concentrations of organo-chlorine (OCP) pesticides, organophosphate pesticides, chlorinated herbicides, or California Title 22 metals was found based on the soil sampling and analysis conducted during this assessment.

Residual agricultural chemicals could exist in Specific Plan Area soils from historic use of the area for agricultural purposes. If there are localized spills of pesticides and farming chemicals, there could be localized hot spots in soil present. However, based on the available data, the potential presence of these constituents generally is considered *de minimis* across the Specific Plan Area as a whole, particularly under a planned commercial/industrial setting.

The most recent guidance from DTSC states "…the only pesticide class requiring analyses at agricultural properties are OCPs [organochlorine pesticides], such as DDT, toxaphene, dieldrin, etc.," due to the persistence of OCPs in the environment. As noted above, records reviewed for the past five years don't indicate the use of these OCPs at the agricultural lands on the Specific Plan Area. In addition, available records don't indicate the area has routinely had intensive management for orchard, nursery, or other high-value crops, which would be associated with significant use of pesticides and irrigation. Nevertheless, given the long agricultural history of the plan area, and the possibility that pesticides, including possibly OCPs, were or are likely to have been stored, mixed, or disposed of on the property, or pesticide equipment was cleaned there – activities which potentially could lead to isolated hot spots – it is possible that OCPs may be present in soil at these isolated locations. In order to address this possibility, a limited soil sampling program is recommended for the land around existing structures or other areas where pesticides may have been stored or mixed on the plan area, prior to development of these areas.

5.3.6 Asbestos and Lead-Based Paint

Asbestos-containing materials (ACM) were commonly used in a wide range of building products prior to 1976. These products include roofing shingles, composite siding, linoleum flooring, acoustic ceiling tiles, furnace and water heater exhaust piping and insulation, glues and mastics, joint compounds, and composite wallboards. The Phase I ESA scope of work did not include the performance of an asbestos survey or materials testing of the existing buildings at the Site. However, because some of the buildings at the Site were constructed variously between circa 1940 and early 1980s, some undergoing alterations and repairs during that time, they could contain ACM.

Lead-based plumbing and/or paints also could be present in the buildings, given the age of its construction. Lead-based paints (LBP) were phased out of production in the early 1970s. Exposure to lead is possible if the paint is in poor condition or during demolition, maintenance or removal activities. The Phase I ESA scope of work did not include testing of the existing buildings at the Site for the possible presence of LBP. However, as stated above, because some buildings were constructed in stages between circa 1940 and the early 1980s, some undergoing alterations and repairs during that time, these structures could contain LBP.

5.3.7 Drums

No drums were observed at the Site during the reconnaissance.

5.3.8 Radon

Sampling for radon gas in Site buildings was not included in the Phase I ESA scope of work. However, a United States Environmental Protection Agency (USEPA, 1993) map of radon zones in California lists Los Angeles County as Zone 3, where residents may have a low potential of exposure to radon, with average indoor concentrations are less than 2.0 pCi/l.

Radon is an invisible, odorless radioactive gas formed by the decay of uranium in the earth's soil that migrates to surface through cracks and pore spaces in the soil. Radon gas dissipates in outdoor settings and is present at concentrations considered to be harmless. However, radon gas can accumulate inside buildings and closed spaces; depending on building location, ventilation, and other factors. The USEPA recommends considering indoor remedial measures when the radon concentration exceeds 4.0 picoCuries per liter (pCi/L) on an annual average basis.

5.3.9 Fill Material and Stockpiled Soil

Given the relatively flat topography of the Site and its elevation with respect to the surrounding terrain, it is unlikely that significant quantities of fill material (if any) have been imported or applied to the Site.

5.3.10 Mines

Based on the review of historical sources (aerial photographs and topographic maps) and the agency database search, there is no evidence to suggest that the Site was ever utilized for mining operations.

5.3.11 Storm Water Discharge and Drainage

Agricultural uses occupy most of the Site. Incident rainfall onto the site primarily infiltrates into the ground. The topography slopes gently toward the northeast, and any storm water runoff would tend to follow this topographic grade.

5.3.12 Monitoring, Water Supply, or Dry Wells

The groundwater monitoring wells associated with the Shell pipeline clean up discussed in Section 5.3.1 may require abandonment and/or replacement prior to development of the Site, depending on future progress of the ongoing investigation and remediation of this location. In addition, there are groundwater production wells at various developed locations on the Specific Plan Area, including the water supply wells depicted on Figure 3, that will require abandonment prior to re-development of the Site. Also, as discussed in section 3.5, one natural gas well formerly existed on the southern portion of the Site, east of Hansen Road (see Figure 3); a formal review of abandonment procedures and inspection of the well seal is recommended prior to development on this location.



5.3.13 Stressed Vegetation

No stressed vegetation was observed during the Site reconnaissance.

5.3.14 Odors

No unusual odors were detected during the Site reconnaissance.

6.1 REGULATORY DATABASE RESEARCH

A search of available Federal, State, and local environmental database records for the Site and nearby properties was received from EDR® on February 26, 2013. In general, the databases reviewed by EDR® include facilities that generate, store, treat, or dispose of hazardous substances, as well as facilities where hazardous substance releases have contaminated soil and/or groundwater. Facilities of particular interest include those with historical or active USTs, especially in instances where the USTs have leaked. The EDR® report meets the government records search requirements of ASTM E 1527-05; search distances were in accordance with this standard. In order to provide coverage for the entire irregularly shaped Specific Plan Area as well as areas surrounding the Site, the EDR search was based on a point (target) approximately in the center of the property (Latitude and Longitude: 37.7323, -121.5212) with the specification to extend the search 2.75 miles around the target point. A summary of information gleaned from notable databases searched by EDR is present in the following subsections of this report. A copy of the EDR® report (entitled "The EDR Radius Atlas®") is provided in Appendix C.

6.1.1 NPL Sites

The National Priorities List (NPL) is a list of contaminated sites that are considered the highest priority for clean-up by the EPA.

- The Site is not listed on the NPL List.
- The database search did not identify any NPL sites within a one-half mile of the Site.

6.1.2 CERCLIS Sites

The Comprehensive Environmental Response, Compensation, and Liability Act Information System (CERCLIS) list identifies sites that are suspected to have contamination and require additional investigation to assess if they should be considered for inclusion on the NPL.

- The Site is not listed on the CERCLIS List.
- The database search did not identify any CERCLIS site within one-half mile of the Site.

6.1.3 CERCLIS-NFRAP Sites

CERCLIS-NFRAP status indicates that a site was once on the CERCLIS List, but has No Further Response Actions Planned (NFRAP). Sites on the CERCLIS-NFRAP List were removed from the CERCLIS List in February 1995 because, after an initial investigation was performed, no contamination was found, contamination was removed quickly, or the contamination was not significant enough to warrant NPL status.

- The Site is not listed on the CERCLIS-NFRAP List.
- The database search did not identify any CERCLIS-NFRAP site within one-half mile of the Site.

6.1.4 Federal ERNS List

The Federal Emergency Response Notification System (ERNS) list tracks information on reported releases of oil and hazardous materials.

- The Site is not identified on the Federal ERNS list.
- The data base search identified six ERNS incidents/sites within one mile of the Specific Plan Area:
    - Summit Logistics Inc., 16900 West Schulte Road. Adjacent and south of the Specific Plan Area. The EDR reported the following information: Spill date; 07/08/1999. Spill material; Ammonia. Maintenance shutdown of ammonia refrigeration system. Comments: Had to remove a line. Tracy Fire Department responded due to odors; fire department took no action. Ammonia levels were monitored. No offsite impact reported.
    - Summit Logistics Inc., 16900 West Schulte Road. Adjacent and south of the Specific Plan Area. The EDR reported the following information: Spill date; 02/19/1998. Spill material; Ammonia, anhydrous. Comments: Gasket blew; secured and repaired gasket. No other information. Will notify EPA.
    - Shell Tracy Pump Station, 25705 Patterson Pass Road S. Approximately one mile south west of the Specific Plan Area. The EDR reported the following information: Spill date; 10/5/2008. Spill material; crude oil. Quantity; less than two barrels, to containment area. Comments; Thermal release due to equipment malfunction from Unit 1 to a secondary containment area. Contractor hired to clean up release. Repairs conducted.
    - Shell Tracy Pump Station, 25705 Patterson Pass Road S. Approximately one mile south west of the Specific Plan Area. The EDR reported the following information: Spill date; 02/27/2001. Spill material; crude oil. Quantity; 1500 barrels. Comments; Incident location at the pump station on the north 20-inch pipeline. Line shut down.
    - ARCO Station, 25775 Patterson Pass Road. Approximately one-half mile southwest of the Specific Plan Area. The EDR reported the following information: Spill date; 06/25/1990. Spill material; gasoline. Quantity; unknown. Comments; gasoline release discovered form the USTs at the ARCO station. ARCO removing the USTs and remediating the site.
    - Owens Brockway, 14700 Schulte Road. Adjacent and southeast of the Specific Plan Area. The EDR reported the following information: Spill date; 07/10/1992. Spill material; hydrochloric acid. Quantity; 1980 pounds. Comments; pump failed, release went into secondary containment pond. Remediation contractor to clean up. Notified OES.

6.1.5 RCRA Non-CORRACTS TSD Facilities

The Resource Conservation and Recovery Act (RCRA) non-CORRACTS TSD Facilities List tracks facilities which treat, store, or dispose of hazardous waste and are not associated with corrective action activity.

- The Site is not listed as a RCRA non-CORRACTS TSD facility.

- The database search did not identify any RCRA non-CORRACTS TSD facilities within one-half mile of the Site.

6.1.6 RCRA CORRACTS TSD Facilities

The RCRA CORRACTS TSD Facilities list catalogues facilities that treat, store, or dispose of hazardous waste and have been associated with corrective action activity.

- The Site is not listed as a RCRA CORRACTS TSD facility.

- The database search did not identify any RCRA CORRACTS TSD facilities within one-mile of the Site.

6.1.7 RCRA Large Quantity Generators

The RCRA Large Quantity Generator (LQG) list is maintained by the EPA to track facilities that generate over 1,000 kilograms of hazardous waste or over 1 kilogram of acutely hazardous waste per month.

- The Site was not listed as a RCRA Hazardous Waste Generator.

- One large quantity RCRA Hazardous Waste Generators were listed within one-quarter mile of the Site: Owens-Brockway Glass Container, 14700 W. Schulte Road, adjacent to the southeast corner of the Specific Plan Area. .

6.1.8 EnviroStor

The EnviroStor database, maintained by the DTSC, contains both known and potential hazardous substance sites.

- The Site is not listed in the EnviroStor database.

- Four EnviroStor facilities were identified within approximately 1 to 2 miles of the Specific Plan Area; one of which requires further DTSC action and three which require no further action. Due to their distance and orientation from the Specific Plan Area, none of these sites is likely to affect the Specific Plan Area:

    - School Cleanup Site, Kimball High School, is located at 24606 South Lammers Road, approximately 1 mile to the east of the Specific Plan Area. Metals and organochlorine pesticides are potential contaminants of concern in the soil, resulting from the prior use of the property for agriculture. The site is undergoing investigation. Due to its distance and orientation down-gradient from the Specific Plan Area, this site is unlikely to affect the Specific Plan Area.

    - School Investigation Site, Addition to Kimball High School, is located at 24606 South Lammers Road, approximately 1 mile to the east of the Specific Plan Area.

    - School Investigation Site, George Kelly School, is located at Veneto Drive/Mabel Josephine Drive, approximately 1.7 miles to the east of the Specific Plan Area.

- Voluntary Cleanup Site, Old Valley Pipeline—Mansfield Site, is located at 13880 West Grant Line Road, approximately 1.4 miles to the northeast of the Specific Plan Area.

6.2 OTHER RECORD SOURCES

Various State, regional, and local environmental regulatory agencies were contacted to determine if additional information were available for the Site and/or other nearby facilities of environmental interest. Files were requested and/or reviewed from the regulatory agencies identified in the following sections. Copies of agency file request forms for which responses are pending are provided in Appendix F.

6.2.1 California State Water Resources Control Board GeoTracker Database

A GeoTracker database search, conducted on February 25, 2013, revealed six hazardous material sites sites on or within ½-mile of the Specific Plan Area. Various groundwater monitoring and site investigation reports concerning the Shell pipeline release were downloaded from the GeoTracker website (CRA 2009, 2011, 2012a and 2012b). A seventh site within ½ mile of the Specific Plan Area, not identified on GeoTracker, was identified on the RWQCB's SLIC (Spills, Leaks, Investigation and Cleanup) list during review of the EDR report.

The seven sites on or within ½-mile of the Specific Plan Area are discussed in Section 5.3.1 and their locations with respect to the Specific Plan Area are depicted in Figure 4.

6.2.2 Regional Water Quality Control Board – Central Valley Region 5

Telephone and email contact was initiated with the Central Valley Regional Water Quality Control Board (RWQCB) for additional information, primarily related to the ongoing investigation of the Shell pipeline release, as discussed in Section 5.3.1 (RWQCB 2013).

6.2.3 San Joaquin County Environmental Health Department

The San Joaquin County Environmental Health Department, Site Mitigation Program, which oversees UST release investigations in the county, was contacted by telephone for additional information regarding the Tri-State Motor Transit Co, located at 25501 Patterson Pass Road, adjacent to the southwest corner of the Specific Plan Area, across Patterson Pass Road (Mountain House Parkway) and Schulte Road. The County reported no file records for this site based on a manual search of cabinet files, following a telephone request for information (SJCEHD 2013a). As follow up to the telephone request, a formal written request for site information (e.g., UST monitoring/removal, UST site cleanup, other site cleanup, etc) was submitted to the San Joaquin County Environmental Health Department on March 15, 2013 (SJCEHD 2013b). If any such records exist they may be made available for review in the county offices approximately 10 days after the written request. At the time this Phase I ESA was prepared no indication had been received that any such files were available.

6.2.4 San Joaquin County Agricultural Commissioner's Office

A Pesticide Use Report (PUR) public records request was made to the San Joaquin County Agricultural Commissioner's office for the Specific Plan Area, by APN numbers. The requested PUR records received from the county cover the past five years (2008 – 2013) and are reproduced as Appendix D. A summary of the review of these records is provided in Section 5.3.5.

6.3 USER-PROVIDED INFORMATION

ASTM E 1527-05 requires disclosure in the Phase I ESA as to whether the user of the report has specialized knowledge about previous ownership or uses of the property that may be material to identifying RECs, or whether the user has determined that the property's title contains environmental liens or other information related to environmental conditions of the property, including engineering and institutional controls and activity and use limitations, as defined by ASTM.

The scope of this Phase I ESA did not include an environmental lien search. However, based on the absence of environmental releases or investigations on the Site, with the exception of the Shell pipeline release, this Phase I ESA yielded no indication that any such liens currently exist for the Site.



7.1 CONCLUSIONS AND RECOMMENDATIONS

The Planning Center|DC&E has performed a Phase I ESA/SSI in conformance within the scope and limitations of ASTM E 1527-05 for a 1780-acre property known as the Specific Plan Area, Tracy, California. Any limitations or exceptions to this practice are described in Section 8.1 of this report. The Site consists primarily of agricultural land, currently utilized for irrigated crop production, dry farming, and periodic cattle grazing. There are several existing buildings and structures within the Specific Plan Area including: eleven existing residences and associated structures; a PG&E gas maintenance facility (Tracy Yard); two public roadways (Mountain House Parkway and Hansen Road); and a cell tower installation and related equipment building.

The Specific Plan Area land uses from the 1950's on were predominately agricultural and undeveloped land with a few residences and other structures. Improvements in the form of additional roadways, residences, and other structures were added periodically since the 1950's.

Properties in the vicinity of the Site are used primarily for agricultural, residential and commercial purposes.

It is The Planning Center|DC&E's professional opinion that an appropriate level of inquiry has been made into previous activities and uses of the Site in an effort to protect future occupants from significant exposures to hazardous substances and safety hazards. Recognized Environmental Conditions (RECs) have been identified, discussed, and further evaluated as part of this Phase I ESA. Based on the findings of this Phase I ESA, it is The Planning Center|DC&E's further professional opinion that no RECs remain in connection with the Site, with the exception of the following:

- ***Asbestos-Containing Materials (ACM) and Lead-Based Paint (LBP)*** – Some of the buildings and structures currently occupying the Site were constructed in between circa 1940 and the early 1980's, undergoing alterations and repairs since this time, and, therefore, could contain ACM and/or LBP. The building materials should be assessed for ACM and LBP by a certified professional in accordance with agency guidance and, if necessary, abated prior to building demolition.

- ***Shell Pipeline Release Site*** – Crude oil released from a former Shell pipeline underneath the Specific Plan Area has been under investigation since 2001. Soil, soil vapor and groundwater (approximately 30 feet bgs) have been significantly impacted. A Conceptual Site Model (CSM) and human health risk assessment (HRA) reportedly are being prepared. Future remedial action requirements and cleanup standards for the contamination at this site are still unknown. As a result, a timeline for completion of remedial actions cannot be estimated at this time. Residual soil impact following completion of remedial actions will likely exist at depths greater than 4 feet bgs. In the event grading or soil excavation activities will be required at depths greater than 4 feet bgs, appropriate precautions would be imposed by the regulatory agency (e.g. Health and Safety Plan for workers, Soil Management Plan). Depending upon the success of the remedial actions with respect to the development timeline, vapor intrusion concerns could exist at the time of development. In such a case, implementation of engineering controls on building placement or designs, particularly for below grade structures, may be required.

- ***Pesticide Residuals*** - The Specific Plan Area has historically been used for agricultural purposes. Records indicate periodic routine use of herbicides, insecticides, and rodenticides on the agricultural land encompassing most of the Specific Plan Area over most of the five year

period reviewed (2008 – 2013). Given the long agricultural history of the area, and the possibility that pesticides, including possibly organo-chlorine pesticides (OCPs), were or are likely to have been stored, mixed, or disposed of on the property, activities which potentially could lead to isolated hot spots, it is possible that OCPs may be present in soil at these isolated locations. In order to address this possibility, a limited soil sampling program for OCPs is recommended for the land around existing structures or other areas where pesticides may have been stored or mixed on the plan area, prior to development of these areas.

Other features and issues of potential environmental concern at the Site identified during this Phase I ESA include:

- ***Former Natural Gas Well*** - A natural gas well formerly existed on the southern portion of the Site, east of Hansen Road (Figure 3). The non-producing well was drilled and abandoned in 1959. However, no records were available indicating a formal review of the abandonment procedures was performed. A formal review of abandonment procedures and inspection of the well location and seal would be required prior to development of the Site in the vicinity of the former gas well. However, given that the well was non-producing, the feature is not anticipated to pose an environmental concern to the Site.

- ***Historical Release Site*** - The Tri-State Motor Transit Company, located at 25501 Patterson Pass Road, adjacent to the southwest corner and up gradient of the Specific Plan Area, was identified as a petroleum release site based on historical State records more than 20 years ago. The site was not identified as a release site on contemporary State records. A telephone inquiry to the local UST regulatory agency – San Joaquin County Environmental Health Department – also yielded no records of release or investigations at this site. A written request for records from the local agency still is being processed. However, based on the lack of contemporary records and inactive status of the historical investigation, it is reasonable to conclude the historical release is/was likely a low priority case and any potential impact is unlikely to adversely affect commercial development in the Specific Plan Area.

8.1 LIMITATIONS

This Phase I ESA was designed to assess the likelihood that soil, soil gas, and/or groundwater beneath the subject Site have been impacted by releases of hazardous substances or wastes, including petroleum compounds. The assessment was performed in substantial conformance with ASTM E 1527-05 (November 2005) and is consistent with good commercial and customary practice for the conduct of environmental site assessments. Services were provided within the time and cost limitations of The Planning Center|DC&E's scopes of work. No warranty or guarantee of Site conditions is expressed or implied.

This report does not warrant against future operations or conditions, nor does it warrant against:

- Operations that are not in evidence from visual observations or search of published agency records, or facts that were concealed, withheld, or not fully disclosed at the time the inspection was conducted.

- Conditions that could only be determined by physical sampling or intrusive testing.

- Conditions at locations other than the provided Site address and/or legal parcel description.

The opinions and conclusions expressed in this Phase I ESA are based on professional interpretations and judgments; they are not legal opinions. They apply to property conditions at the time the assessment was performed. The passage of time may result in significant changes in Site conditions, technology, or economic conditions that could alter the findings and/or recommendations of the report. Therefore, The Planning Center|DC&E endorses the ASTM recommendation that Phase I ESAs older than 180 days only be used subject to certain limitations and update procedures. The Planning Center|DC&E is not responsible for the accuracy or completeness of information provided by other individuals or entities that were relied upon in this report.

8.2 PROPRIETARY NOTICE

This report and its contents are privileged and confidential information and should not be duplicated or copied under any circumstances without the expressed permission of The Planning Center|DC&E. Any unauthorized reuse of The Planning Center|DC&E reports or data will be at the unauthorized user's sole risk and liability. The report is intended solely for the use of the City of Tracy. The scope of services for this assessment may not be appropriate to the needs of other users. Therefore, any unauthorized use of this document, or of the findings or conclusions presented herein, is at the sole risk of the third party.

9. Statement of Qualifications

This Phase I ESA was conducted under the direct oversight of William Hass, Director of Environmental Sciences with The Planning Center|DC&E. Dr. Karl Rodenbaugh, Senior Scientist with The Planning Center|DC&E, performed the Site reconnaissance, file reviews, and the bulk of the report preparation. Mr. Hass and Dr. Rodenbaugh each have been providing environmental consulting services for the past 25 years. Relevant qualifications and experience for both individuals include numerous projects involving site investigation, remediation, regulatory/permitting assistance, risk assessment, and environmental compliance. Mr. Hass is a Registered Professional Engineer (P.E.) with the State of California; his certification and stamp appear below:



William Hass, P.E. (No. CO33772)
Director, Environmental Sciences
The Planning Center|DC&E

10. References

References:

Conestoga-Rovers & Associates (CRA), 2009, *Site Investigation Report*, Former Shell Crude Oil Pipelines, Cordes Ranch, dated January 8, 2009.

Construction Testing and Engineering, Incorporated ("CTE"), 1997. *Phase I Environmental Site Assessment (ESA) report for the Bob-A-Lou Farms Property*, Tracy, California. Prepared for Commercial Real Estate Services, Walnut Creek, California. December 19, 1997.

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CRA, 2012b*. Groundwater Monitoring Report – Fourth Quarter 2011*, Former Shell Central Valley Crude Oil Pipelines, Cordes Ranch, dated February 15, 2012.

CRA, 2012c. Groundwater Monitoring Report – Third Quarter 2012, Former Shell Central Valley Crude Oil Pipelines, Cordes Ranch, dated November 16, 2012.

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RWQCB, 2013a.Telephone communication with Ms. Patricia Vellines, RWQCB case worker for the Shell pipeline investigation, February 20, 2013.

RWQCB, 2013b.Email correspondence with Ms. Patricia Vellines, RWQCB case worker for the Shell pipeline investigation, March 27, 2013.

San Joaquin County Environmental Health Department (SJCEHD), 2013a. Telephone communication with Ms. Adrienne Ellsaesser, Lead Senior REHS, SJCEHD, March 15, 2013.

SJCEHD, 2013b. *Public Records Release Application*, submitted via facsimile to Ms. Cheryl Field, Sr. Office Assistant Environmental Health Department San Joaquin County, March 15, 2013.

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The Planning Center/DC&E, 2013. *Pipeline Safety Hazard Assessment for Cordes Ranch Specific Plan*, March 2013

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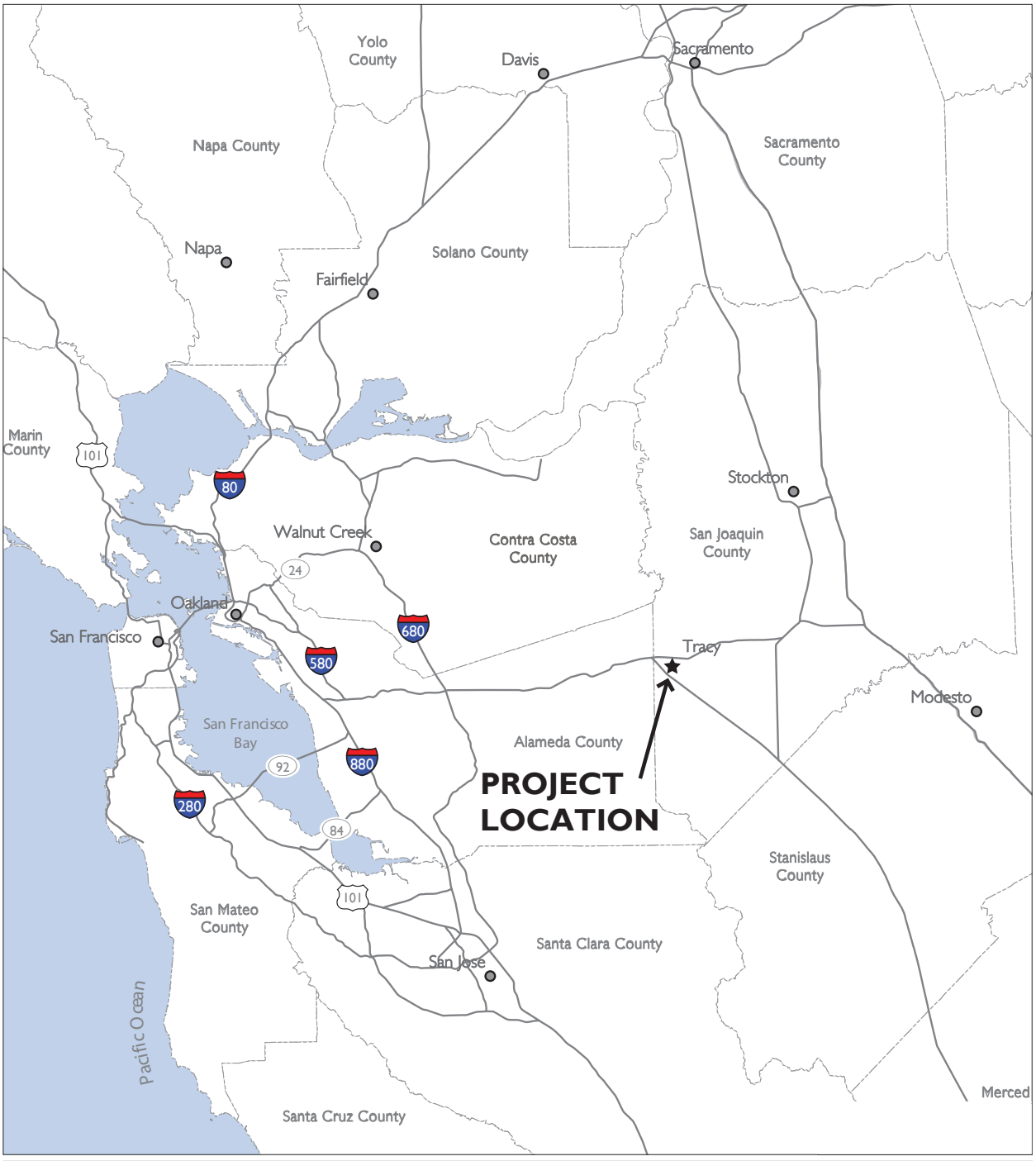
10. References

URS, Inc., 2012. *Phase I Environmental Site Assessment, Tracy Pritzer Property*, Tracy, San Joaquin County California. Unpublished professional report prepared for Prologis Inc. July 25, 2012.
.

Figures

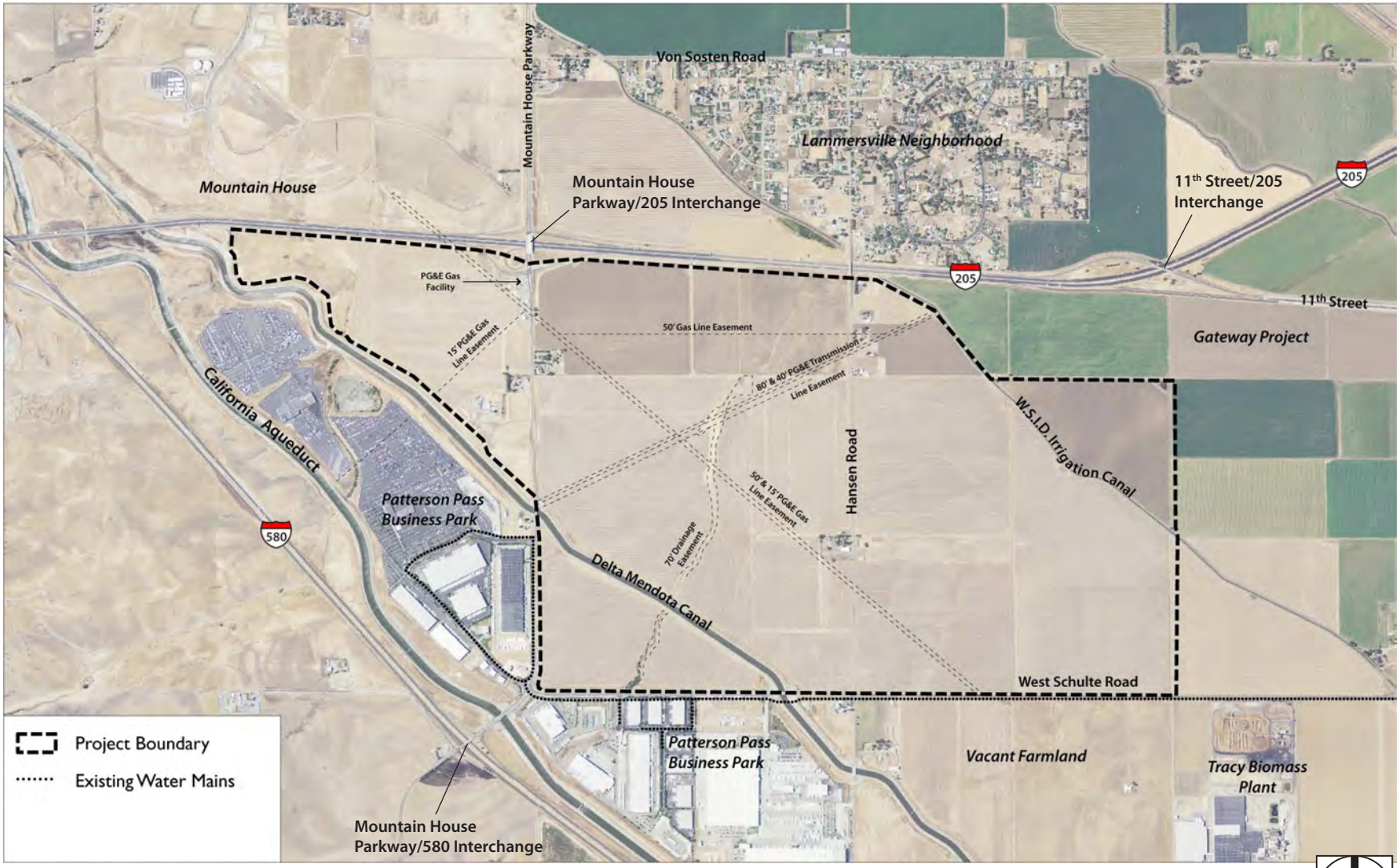


Site Location



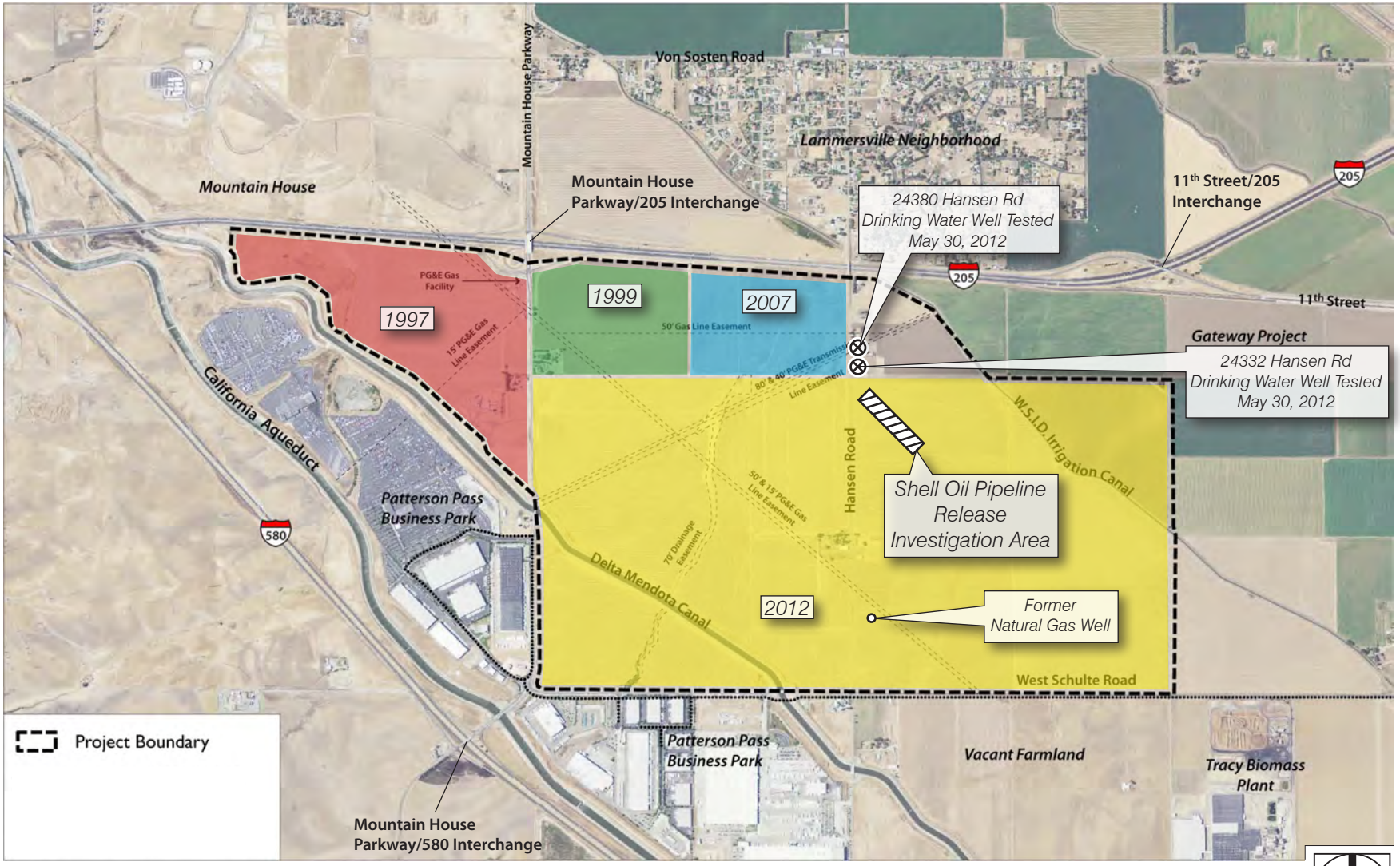
0 15
Scale (Miles)

Site and Surrounding Land Use



Basemap Source: USGS 2011

Previous Phase I Environmental Site Assessment Areas



Phase I - Construction Testing and Engineering, Inc. - 1997

Phase I - United Soil Engineering - 1999

Phase I - Tetra Tech - 2007

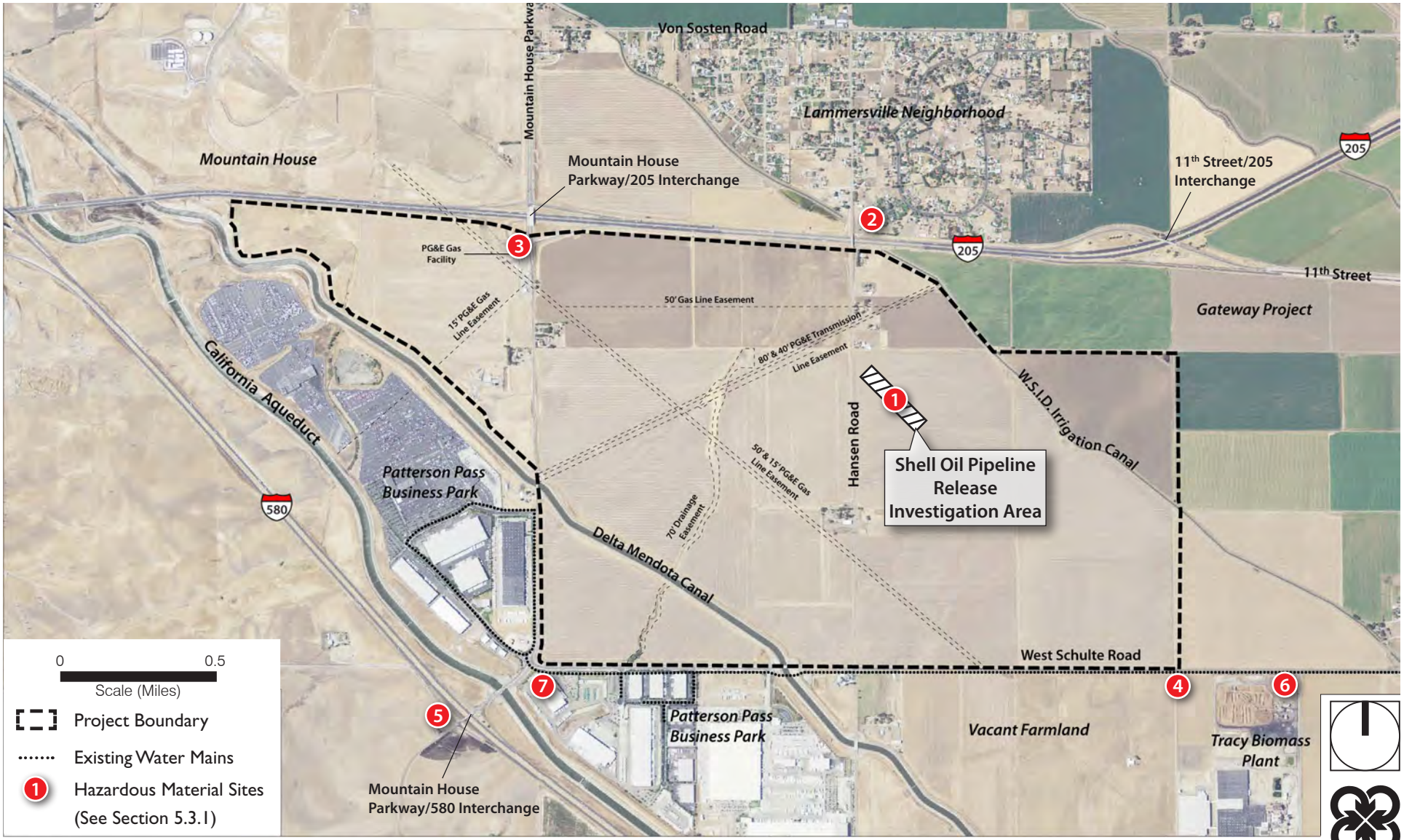
Phase I - URS - 2012

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Scale (Miles)

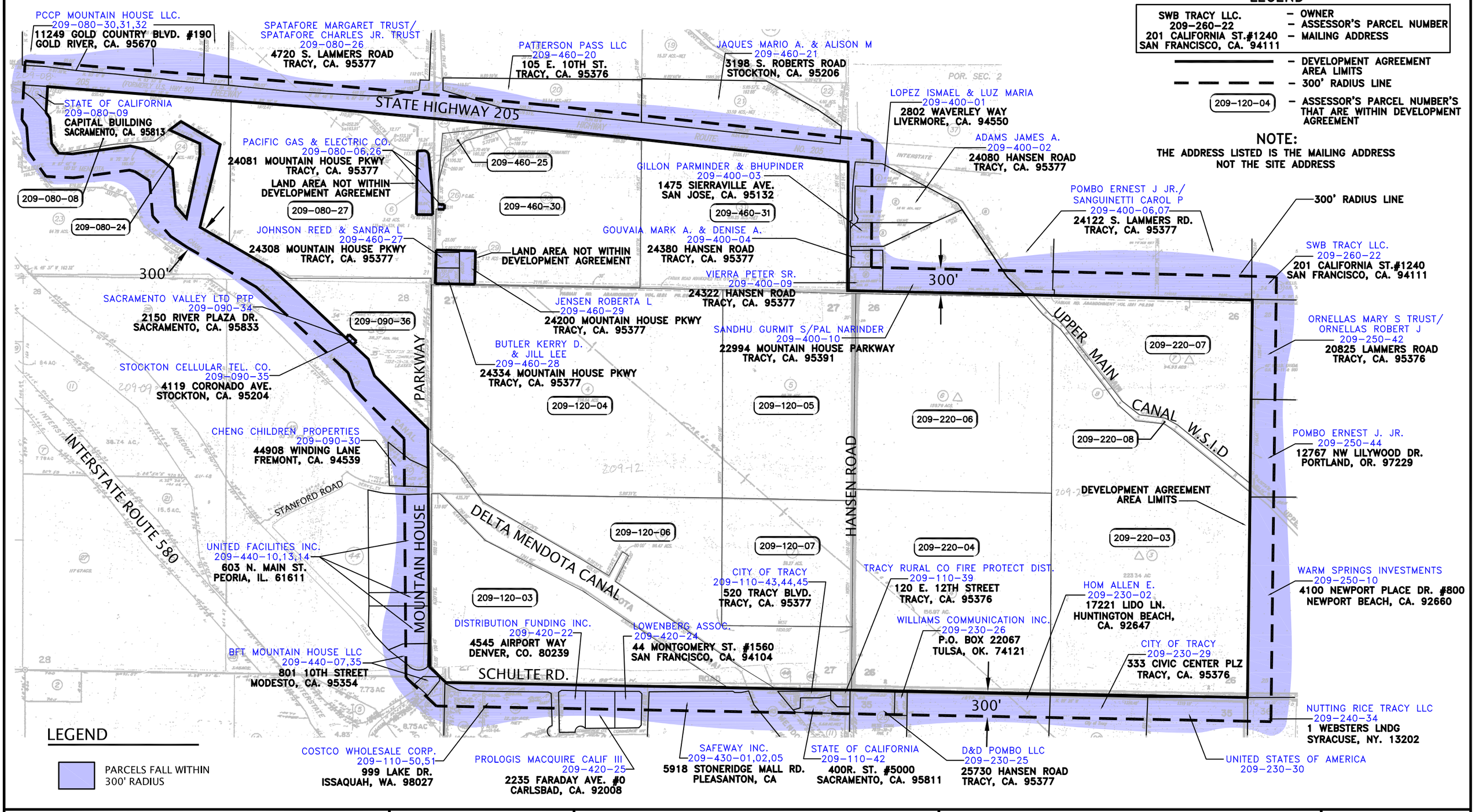
Basemap Source: USGS 2011

Hazardous Material Sites



Basemap Source: The Planning Center | DC&E, 2013; USGS, 2011.

Appendix A. Parcel Map, Site Ownership, and Property Details



LEGEND

SWB TRACY LLC. – OWNER
209-260-22 – ASSESSOR'S PARCEL NUMBER
201 CALIFORNIA ST.#1240 – MAILING ADDRESS
SAN FRANCISCO, CA. 94111

– DEVELOPMENT AGREEMENT AREA LIMITS

– 300' RADIUS LINE

209-120-04 – ASSESSOR'S PARCEL NUMBER'S THAT ARE WITHIN DEVELOPMENT AGREEMENT

NOTE:

THE ADDRESS LISTED IS THE MAILING ADDRESS
NOT THE SITE ADDRESS

KIER & WRIGHT
CIVIL ENGINEERS & SURVEYORS, INC.
2850 Collier Canyon Road (925) 245-8788
Livermore, California 94551 Fax (925) 245-8796

NORTH

CROSSROADS BUSINESS CENTER AT CORDES RANCH

CORDES RANCH

DEVELOPMENT AGREEMENT EXHIBIT

300' RADIUS PARCELS

TRACY CALIFORNIA

DATE	7/21/2011
BY	K.E.L.
JOB NO.	A09500
SCALE	N.T.S.
SHEET	APN-300

Z:\2009\A09500\Exhibits\APN Exhibit.DWG 7/22/2011 5:11:28 PM PDT

Cordes Ranch - Existing Building Area

APN	Owner	Building Area (SF)
209-090-36	Christy Concrete Products Inc	1,492
209-460-27	Reed and Sandra Johnson	1,400
209-460-28	Kerry and Jill Butler	2,700
209-460-29	Roberta Jensen	2,308
209-120-07	Crossroads Business Center	2,498
209-400-01	Ismael and Luz Maria Lopez	967
209-400-02	James Adams	1,443
209-400-03	Parminder and Bhupinder Gillon	2,381
209-400-04	Mark and Denise Gouvaia	1,818
209-400-09	Peter Vierra	1,946

Property Detail Report

For Property Located At

CoreLogic RealQuest Professional

24383 MOUNTAIN HOUSE PKWY, TRACY, CA 95377-8903

Owner Information:

Owner Name:	**CHRISTY CONCRETE PRODUCTS INC**		
Mailing Address:	**1000 COLLINS AVE, COLMA CA 94014-3207 C047**		
Phone Number:		Vesting Codes:	**/ /**

Location Information:

Legal Description:			
County:	**SAN JOAQUIN, CA**	APN:	**209-090-36**
Census Tract / Block:	**52.07 / 1**	Alternate APN:	
Township-Range-Sect:		Subdivision:	
Legal Book/Page:		Map Reference:	**209-9 / 698-G1**
Legal Lot:		Tract #:	
Legal Block:		School District:	**LAMMERSVILLE**
Market Area:		Munic/Township:	
Neighbor Code:	**840**		

Owner Transfer Information:

Recording/Sale Date:	**12/09/1998 /**	Deed Type:	**GRANT DEED**
Sale Price:		1st Mtg Document #:	
Document #:	147785		

Last Market Sale Information:

Recording/Sale Date:	**/**	1st Mtg Amount/Type:	**/**
Sale Price:		1st Mtg Int. Rate/Type:	**/**
Sale Type:		1st Mtg Document #:	
Document #:		2nd Mtg Amount/Type:	**/**
Deed Type:		2nd Mtg Int. Rate/Type:	**/**
Transfer Document #:		Price Per SqFt:	
New Construction:		Multi/Split Sale:	
Title Company:			
Lender:			
Seller Name:			

Prior Sale Information:

Prior Rec/Sale Date:	**/**	Prior Lender:	
Prior Sale Price:		Prior 1st Mtg Amt/Type:	**/**
Prior Doc Number:		Prior 1st Mtg Rate/Type:	**/**
Prior Deed Type:			

Property Characteristics:

Year Built / Eff:	**1940 /**	Total Rooms/Offices:		Garage Area:	
Gross Area:	**1,492**	Total Restrooms:	**1.00**	Garage Capacity:	**2**
Building Area:	**1,492**	Roof Type:		Parking Spaces:	
Tot Adj Area:		Roof Material:		Heat Type:	
Above Grade:		Construction:	**WOOD**	Air Cond:	
# of Stories:	**1.00**	Foundation:		Pool:	
Other Improvements:		Exterior wall:		Quality:	**AVERAGE**
		Basement Area:		Condition:	

Site Information:

Zoning:	**AG-40**	Acres:	**38.37**	County Use:	**IRR FIELD CROP W/RES (451)**
Lot Area:	**1,671,397**	Lot Width/Depth:	**x**	State Use:	
Land Use:	**FIELD & SEED**	Commercial Units:		Water Type:	
Site Influence:		Sewer Type:		Building Class:	

Tax Information:

Total Value:	**$1,119,612**	Assessed Year:	**2011**	Property Tax:	**$12,554.12**
Land Value:	**$1,058,431**	Improved %:	**5%**	Tax Area:	**092002**
Improvement Value:	**$61,181**	Tax Year:	**2011**	Tax Exemption:	
Total Taxable Value:	**$1,119,612**				

Property Detail Report

For Property Located At

CoreLogic RealQuest Professional

24308 MOUNTAIN HOUSE PKWY, TRACY, CA 95377-8904

Owner Information:

Owner Name:	**JOHNSON REED & SANDRA L**		
Mailing Address:	**24308 MOUNTAIN HOUSE PKWY, TRACY CA 95377-8904 R005**		
Phone Number:	**(209) 833-7412**	Vesting Codes:	**HW / / JT**

Location Information:

Legal Description:			
County:	**SAN JOAQUIN, CA**	APN:	**209-460-27**
Census Tract / Block:	**52.07 / 1**	Alternate APN:	
Township-Range-Sect:		Subdivision:	
Legal Book/Page:		Map Reference:	**/**
Legal Lot:		Tract #:	
Legal Block:		School District:	**LAMMERSVILLE**
Market Area:		Munic/Township:	
Neighbor Code:	**840**		

Owner Transfer Information:

Recording/Sale Date:	**09/28/2006 / 09/22/2006**	Deed Type:	**GRANT DEED**
Sale Price:		1st Mtg Document #:	206304
Document #:	206303		

Last Market Sale Information:

Recording/Sale Date:	**03/17/1989 / 00/1989**	1st Mtg Amount/Type:	**$150,000 / CONV**
Sale Price:	**$195,000**	1st Mtg Int. Rate/Type:	**/**
Sale Type:	**FULL**	1st Mtg Document #:	23882
Document #:	23881	2nd Mtg Amount/Type:	**/**
Deed Type:	**DEED (REG)**	2nd Mtg Int. Rate/Type:	**/**
Transfer Document #:		Price Per SqFt:	**$139.29**
New Construction:		Multi/Split Sale:	
Title Company:			
Lender:	**HOUSEHOLD MTG SVC INC**		
Seller Name:	**FOREMAN RONALD & ROSANNE**		

Prior Sale Information:

Prior Rec/Sale Date:	**07/08/1985 /**	Prior Lender:	
Prior Sale Price:	**$138,000**	Prior 1st Mtg Amt/Type:	**/**
Prior Doc Number:	44815	Prior 1st Mtg Rate/Type:	**/**
Prior Deed Type:	**DEED (REG)**		

Property Characteristics:

Gross Area:		Parking Type:	**ATTACHED GARAGE**	Construction:	**WOOD**
Living Area:	**1,400**	Garage Area:		Heat Type:	
Tot Adj Area:		Garage Capacity:	**3**	Exterior wall:	
Above Grade:		Parking Spaces:		Porch Type:	
Total Rooms:		Basement Area:		Patio Type:	
Bedrooms:	**3**	Finish Bsmnt Area:		Pool:	
Bath(F/H):	**2 /**	Basement Type:		Air Cond:	
Year Built / Eff:	**1985 /**	Roof Type:		Style:	**L-SHAPE**
Fireplace:	**Y / 1**	Foundation:		Quality:	**AVERAGE**
# of Stories:	**1.00**	Roof Material:		Condition:	
Other Improvements:					

Site Information:

Zoning:	**AG-40**	Acres:	**1.38**	County Use:	**SINGLE FAMILY RESID (010)**
Lot Area:	**60,113**	Lot Width/Depth:	**x**	State Use:	
Land Use:	**SFR**	Res/Comm Units:	**/**	Water Type:	
Site Influence:				Sewer Type:	

Tax Information:

Total Value:	**$294,000**	Assessed Year:	**2011**	Property Tax:	**$3,131.06**
Land Value:	**$70,000**	Improved %:	**76%**	Tax Area:	**092002**
Improvement Value:	**$224,000**	Tax Year:	**2011**	Tax Exemption:	**HOMEOWNER**
Total Taxable Value:	**$287,000**				

Property Detail Report

For Property Located At

CoreLogic RealQuest Professional

24334 MOUNTAIN HOUSE PKWY, TRACY, CA 95377-8904

Owner Information:

Owner Name:	**BUTLER KERRY D & JILL LEE**		
Mailing Address:	**24334 MOUNTAIN HOUSE PKWY, TRACY CA 95377-8904 R005**		
Phone Number:		Vesting Codes:	**/ /**

Location Information:

Legal Description:			
County:	**SAN JOAQUIN, CA**	APN:	**209-460-28**
Census Tract / Block:	**52.07 / 1**	Alternate APN:	
Township-Range-Sect:		Subdivision:	
Legal Book/Page:		Map Reference:	**/**
Legal Lot:		Tract #:	
Legal Block:		School District:	**LAMMERSVILLE**
Market Area:		Munic/Township:	
Neighbor Code:	**840**		

Owner Transfer Information:

Recording/Sale Date:	**/**	Deed Type:	
Sale Price:		1st Mtg Document #:	
Document #:			

Last Market Sale Information:

Recording/Sale Date:	**02/12/1999 / 02/10/1999**	1st Mtg Amount/Type:	**$255,000 / CONV**
Sale Price:	**$355,000**	1st Mtg Int. Rate/Type:	**/ FIXED**
Sale Type:	**FULL**	1st Mtg Document #:	21690
Document #:	21689	2nd Mtg Amount/Type:	**/**
Deed Type:	**GRANT DEED**	2nd Mtg Int. Rate/Type:	**/**
Transfer Document #:		Price Per SqFt:	**$131.48**
New Construction:		Multi/Split Sale:	
Title Company:	**FIRST AMERICAN TITLE**		
Lender:	**COUNTRYWIDE HM LNS INC**		
Seller Name:	**BRAJKOVICH STEVEN SR & GANELLE**		

Prior Sale Information:

Prior Rec/Sale Date:	**01/03/1986 /**	Prior Lender:	
Prior Sale Price:		Prior 1st Mtg Amt/Type:	**/**
Prior Doc Number:	376	Prior 1st Mtg Rate/Type:	**/**
Prior Deed Type:	**DEED (REG)**		

Property Characteristics:

Gross Area:		Parking Type:	**ATTACHED GARAGE**	Construction:	**WOOD**
Living Area:	**2,700**	Garage Area:		Heat Type:	
Tot Adj Area:		Garage Capacity:	**2**	Exterior wall:	
Above Grade:		Parking Spaces:		Porch Type:	
Total Rooms:		Basement Area:		Patio Type:	
Bedrooms:	**3**	Finish Bsmnt Area:		Pool:	**GUNITE**
Bath(F/H):	**2 /**	Basement Type:		Air Cond:	
Year Built / Eff:	**1983 /**	Roof Type:		Style:	**L-SHAPE**
Fireplace:	**Y / 1**	Foundation:		Quality:	**GOOD**
# of Stories:	**1.00**	Roof Material:		Condition:	
Other Improvements:					

Site Information:

Zoning:	**AG-40**	Acres:	**1.38**	County Use:	**RURAL RESID-1 UNITS (051)**
Lot Area:	**60,113**	Lot Width/Depth:	**x**	State Use:	
Land Use:	**RURAL HOMESITE**	Res/Comm Units:	**/**	Water Type:	
Site Influence:				Sewer Type:	

Tax Information:

Total Value:	**$434,385**	Assessed Year:	**2011**	Property Tax:	**$4,691.40**
Land Value:	**$165,189**	Improved %:	**62%**	Tax Area:	**092002**
Improvement Value:	**$269,196**	Tax Year:	**2011**	Tax Exemption:	**HOMEOWNER**
Total Taxable Value:	**$427,385**				

Property Detail Report

For Property Located At

CoreLogic RealQuest Professional

24200 MOUNTAIN HOUSE PKWY, TRACY, CA 95377-8904

Owner Information:

Owner Name:	**JENSEN ROBERTA L**		
Mailing Address:	**24200 MOUNTAIN HOUSE PKWY, TRACY CA 95377-8904 R005**		
Phone Number:		Vesting Codes:	**/ / TR**

Location Information:

Legal Description:			
County:	**SAN JOAQUIN, CA**	APN:	**209-460-29**
Census Tract / Block:	**52.07 / 1**	Alternate APN:	
Township-Range-Sect:		Subdivision:	
Legal Book/Page:		Map Reference:	**/ 421-G7**
Legal Lot:		Tract #:	
Legal Block:		School District:	**LAMMERSVILLE**
Market Area:		Munic/Township:	
Neighbor Code:	**840**		

Owner Transfer Information:

Recording/Sale Date:	**05/28/1998 / 05/26/1998**	Deed Type:	**GRANT DEED**
Sale Price:		1st Mtg Document #:	
Document #:	61602		

Last Market Sale Information:

Recording/Sale Date:	**01/31/1990 / 00/1990**	1st Mtg Amount/Type:	**$292,500 / CONV**
Sale Price:	**$325,000**	1st Mtg Int. Rate/Type:	**/**
Sale Type:	**FULL**	1st Mtg Document #:	
Document #:	9418	2nd Mtg Amount/Type:	**/**
Deed Type:	**GRANT DEED**	2nd Mtg Int. Rate/Type:	**/**
Transfer Document #:		Price Per SqFt:	**$140.81**
New Construction:		Multi/Split Sale:	
Title Company:			
Lender:	**FIRST INTERSTATE**		
Seller Name:	**WELLS ROY T**		

Prior Sale Information:

Prior Rec/Sale Date:	**08/20/1984 /**	Prior Lender:	
Prior Sale Price:	**$47,000**	Prior 1st Mtg Amt/Type:	**/**
Prior Doc Number:	57556	Prior 1st Mtg Rate/Type:	**/**
Prior Deed Type:	**DEED (REG)**		

Property Characteristics:

Gross Area:		Parking Type:	**ATTACHED GARAGE**	Construction:	**WOOD**
Living Area:	**2,308**	Garage Area:		Heat Type:	
Tot Adj Area:		Garage Capacity:	**2**	Exterior wall:	
Above Grade:		Parking Spaces:		Porch Type:	
Total Rooms:		Basement Area:		Patio Type:	
Bedrooms:	**3**	Finish Bsmnt Area:		Pool:	**GUNITE**
Bath(F/H):	**2 / 1**	Basement Type:		Air Cond:	
Year Built / Eff:	**1987 /**	Roof Type:		Style:	**U-SHAPE**
Fireplace:	**Y / 1**	Foundation:		Quality:	**AVERAGE**
# of Stories:	**1.00**	Roof Material:		Condition:	
Other Improvements:					

Site Information:

Zoning:	**AG-40**	Acres:	**2.12**	County Use:	**RURAL RESID-1 UNITS (051)**
Lot Area:	**92,347**	Lot Width/Depth:	**x**	State Use:	
Land Use:	**RURAL HOMESITE**	Res/Comm Units:	**/**	Water Type:	
Site Influence:				Sewer Type:	

Tax Information:

Total Value:	**$419,496**	Assessed Year:	**2011**	Property Tax:	**$4,479.74**
Land Value:	**$203,392**	Improved %:	**52%**	Tax Area:	**092002**
Improvement Value:	**$216,104**	Tax Year:	**2011**	Tax Exemption:	**HOMEOWNER**
Total Taxable Value:	**$412,496**				

Property Detail Report

For Property Located At

CoreLogic RealQuest Professional

25111 S HANSEN RD, TRACY, CA 95304

Owner Information:

Owner Name:	**CROSSROADS BUSINESS CENTER**
Mailing Address:	**18952 MACARTHUR BLVD, IRVINE CA 92612-1432 C030 C/O GOLDEN STATE DEVELOPERS INC**
Phone Number:	
Vesting Codes:	**/ / LP**

Location Information:

Legal Description:			
County:	**SAN JOAQUIN, CA**	APN:	**209-120-07**
Census Tract / Block:	**52.07 / 1**	Alternate APN:	
Township-Range-Sect:		Subdivision:	
Legal Book/Page:		Map Reference:	**209-12 /**
Legal Lot:		Tract #:	
Legal Block:		School District:	**LAMMERSVILLE**
Market Area:		Munic/Township:	
Neighbor Code:	**840**		

Owner Transfer Information:

Recording/Sale Date:	**02/15/2001 /**	Deed Type:	**GRANT DEED**
Sale Price:		1st Mtg Document #:	
Document #:	21986		

Last Market Sale Information:

Recording/Sale Date:	**01/14/1993 /**	1st Mtg Amount/Type:	**/**
Sale Price:		1st Mtg Int. Rate/Type:	**/**
Sale Type:		1st Mtg Document #:	
Document #:	5563	2nd Mtg Amount/Type:	**/**
Deed Type:	**GRANT DEED**	2nd Mtg Int. Rate/Type:	**/**
Transfer Document #:		Price Per SqFt:	
New Construction:		Multi/Split Sale:	**MULTIPLE**
Title Company:			
Lender:			
Seller Name:	**CORDES MABEL C EST ETL**		

Prior Sale Information:

Prior Rec/Sale Date:	**/**	Prior Lender:	
Prior Sale Price:		Prior 1st Mtg Amt/Type:	**/**
Prior Doc Number:		Prior 1st Mtg Rate/Type:	**/**
Prior Deed Type:			

Property Characteristics:

Year Built / Eff:	**1978 /**	Total Rooms/Offices:		Garage Area:	
Gross Area:	**2,498**	Total Restrooms:	**3.00**	Garage Capacity:	**2**
Building Area:	**2,498**	Roof Type:		Parking Spaces:	
Tot Adj Area:		Roof Material:		Heat Type:	
Above Grade:		Construction:	**WOOD**	Air Cond:	
# of Stories:	**1.00**	Foundation:		Pool:	
Other Improvements:		Exterior wall:		Quality:	**GOOD**
		Basement Area:		Condition:	

Site Information:

Zoning:	**AG-40**	Acres:	**59.27**	County Use:	**IRR FIELD CROP W/RES (451)**
Lot Area:	**2,581,801**	Lot Width/Depth:	**x**	State Use:	
Land Use:	**FIELD & SEED**	Commercial Units:		Water Type:	
Site Influence:		Sewer Type:		Building Class:	

Tax Information:

Total Value:	**$728,100**	Assessed Year:	**2011**	Property Tax:	**$8,161.46**
Land Value:	**$563,100**	Improved %:	**23%**	Tax Area:	**092002**
Improvement Value:	**$165,000**	Tax Year:	**2011**	Tax Exemption:	
Total Taxable Value:	**$728,100**				

Property Detail Report

For Property Located At

CoreLogic RealQuest Professional

23928 HANSEN RD, TRACY, CA 95377-7229

Owner Information:

Owner Name:	**LOPEZ ISMAEL & LUZ MARIA**		
Mailing Address:	**2802 WAVERLEY WAY, LIVERMORE CA 94550**		
Phone Number:		Vesting Codes:	**HW / / JT**

Location Information:

Legal Description:			
County:	**SAN JOAQUIN, CA**	APN:	**209-400-01**
Census Tract / Block:	**52.07 / 1**	Alternate APN:	
Township-Range-Sect:		Subdivision:	
Legal Book/Page:		Map Reference:	**209-40 / 421-J7**
Legal Lot:		Tract #:	
Legal Block:		School District:	**LAMMERSVILLE**
Market Area:		Munic/Township:	
Neighbor Code:	**840**		

Owner Transfer Information:

Recording/Sale Date:	**/**	Deed Type:	
Sale Price:		1st Mtg Document #:	
Document #:			

Last Market Sale Information:

Recording/Sale Date:	**05/11/2009 / 04/06/2009**	1st Mtg Amount/Type:	**/**
Sale Price:	**$180,000**	1st Mtg Int. Rate/Type:	**/**
Sale Type:	**FULL**	1st Mtg Document #:	
Document #:	70138	2nd Mtg Amount/Type:	**/**
Deed Type:	**GRANT DEED**	2nd Mtg Int. Rate/Type:	**/**
Transfer Document #:		Price Per SqFt:	**$186.14**
New Construction:		Multi/Split Sale:	
Title Company:	**CHICAGO TITLE CO.**		
Lender:			
Seller Name:	**INDYMAC BANK FSB**		

Prior Sale Information:

Prior Rec/Sale Date:	**03/06/2007 / 02/28/2007**	Prior Lender:	**NL INC**
Prior Sale Price:	**$742,000**	Prior 1st Mtg Amt/Type:	**$593,600 / CONV**
Prior Doc Number:	46432	Prior 1st Mtg Rate/Type:	**/**
Prior Deed Type:	**GRANT DEED**		

Property Characteristics:

Gross Area:	**967**	Parking Type:		Construction:	**MASONRY**
Living Area:	**967**	Garage Area:		Heat Type:	
Tot Adj Area:		Garage Capacity:		Exterior wall:	
Above Grade:		Parking Spaces:		Porch Type:	
Total Rooms:		Basement Area:		Patio Type:	
Bedrooms:	**2**	Finish Bsmnt Area:		Pool:	
Bath(F/H):	**1 /**	Basement Type:		Air Cond:	
Year Built / Eff:	**1949 /**	Roof Type:		Style:	**L-SHAPE**
Fireplace:	**Y / 1**	Foundation:		Quality:	**AVERAGE**
# of Stories:	**1.00**	Roof Material:		Condition:	
Other Improvements:					

Site Information:

Zoning:	**AG-40**	Acres:	**4.86**	County Use:	**RURAL RESID-1 UNITS (051)**
Lot Area:	**211,702**	Lot Width/Depth:	**x**	State Use:	
Land Use:	**RURAL HOMESITE**	Res/Comm Units:	**/**	Water Type:	
Site Influence:				Sewer Type:	

Tax Information:

Total Value:	**$180,925**	Assessed Year:	**2011**	Property Tax:	**$2,042.38**
Land Value:	**$100,514**	Improved %:	**44%**	Tax Area:	**092002**
Improvement Value:	**$80,411**	Tax Year:	**2011**	Tax Exemption:	
Total Taxable Value:	**$180,925**				

Property Detail Report

For Property Located At

CoreLogic RealQuest Professional

24080 HANSEN RD, TRACY, CA 95377-7229

Owner Information:

Owner Name:	**ADAMS JAMES A**		
Mailing Address:	**24080 HANSEN RD, TRACY CA 95377-7229 R005**		
Phone Number:		Vesting Codes:	**UM / /**

Location Information:

Legal Description:	**REC OF SURVEY 24 PG 100**		
County:	**SAN JOAQUIN, CA**	APN:	**209-400-02**
Census Tract / Block:	**52.07 / 1**	Alternate APN:	
Township-Range-Sect:		Subdivision:	
Legal Book/Page:		Map Reference:	**/ 421-J7**
Legal Lot:		Tract #:	
Legal Block:		School District:	**LAMMERSVILLE**
Market Area:		Munic/Township:	
Neighbor Code:	**840**		

Owner Transfer Information:

Recording/Sale Date:	**/**	Deed Type:	
Sale Price:		1st Mtg Document #:	
Document #:			

Last Market Sale Information:

Recording/Sale Date:	**08/28/1997 /**	1st Mtg Amount/Type:	**$192,000 / CONV**
Sale Price:	**$249,000**	1st Mtg Int. Rate/Type:	**/ FIXED**
Sale Type:	**FULL**	1st Mtg Document #:	
Document #:	84487	2nd Mtg Amount/Type:	**/**
Deed Type:	**GRANT DEED**	2nd Mtg Int. Rate/Type:	**/**
Transfer Document #:		Price Per SqFt:	**$172.56**
New Construction:		Multi/Split Sale:	
Title Company:	**OLD REPUBLIC TITLE**		
Lender:	**PROVIDENT FUND ASSN**		
Seller Name:	**MCDONALD MICHAEL LEONARD EXECUTOR**		

Prior Sale Information:

Prior Rec/Sale Date:	**07/12/1984 /**	Prior Lender:	
Prior Sale Price:		Prior 1st Mtg Amt/Type:	**/**
Prior Doc Number:	48006	Prior 1st Mtg Rate/Type:	**/**
Prior Deed Type:	**GRANT DEED**		

Property Characteristics:

Year Built / Eff:	**1973 /**	Total Rooms/Offices:		Garage Area:	
Gross Area:	**1,443**	Total Restrooms:	**2.00**	Garage Capacity:	**2**
Building Area:	**1,443**	Roof Type:		Parking Spaces:	
Tot Adj Area:		Roof Material:		Heat Type:	
Above Grade:		Construction:	**WOOD**	Air Cond:	
# of Stories:	**1.00**	Foundation:		Pool:	
Other Improvements:		Exterior wall:		Quality:	**AVERAGE**
		Basement Area:		Condition:	

Site Information:

Zoning:	**AG-40**	Acres:	**12.61**	County Use:	**IRR FIELD CROP W/RES (451)**
Lot Area:	**549,292**	Lot Width/Depth:	**x**	State Use:	
Land Use:	**FIELD & SEED**	Commercial Units:		Water Type:	
Site Influence:		Sewer Type:		Building Class:	

Tax Information:

Total Value:	**$333,387**	Assessed Year:	**2011**	Property Tax:	**$3,551.94**
Land Value:	**$211,869**	Improved %:	**36%**	Tax Area:	**092002**
Improvement Value:	**$121,518**	Tax Year:	**2011**	Tax Exemption:	**HOMEOWNER**
Total Taxable Value:	**$326,387**				

Property Detail Report

For Property Located At

CoreLogic RealQuest Professional

24184 HANSEN RD, TRACY, CA 95377-9757

Owner Information:

For Sale

Owner Name:	**GILLON PARMINDER S & BHUPINDER**		
Mailing Address:	**1475 SIERRAVILLE AVE, SAN JOSE CA 95132-2329 C036**		
Phone Number:		Vesting Codes:	**HW / / JT**

Location Information:

Legal Description:			
County:	**SAN JOAQUIN, CA**	APN:	**209-400-03**
Census Tract / Block:	**52.07 / 1**	Alternate APN:	
Township-Range-Sect:		Subdivision:	
Legal Book/Page:		Map Reference:	**209-40 / 678-J7**
Legal Lot:		Tract #:	
Legal Block:		School District:	**LAMMERSVILLE**
Market Area:		Munic/Township:	
Neighbor Code:	**840**		

Owner Transfer Information:

Recording/Sale Date:	**/**	Deed Type:	
Sale Price:		1st Mtg Document #:	
Document #:			

Last Market Sale Information:

Recording/Sale Date:	**10/17/2002 / 10/08/2002**	1st Mtg Amount/Type:	**$464,000 / CONV**
Sale Price:	**$580,000**	1st Mtg Int. Rate/Type:	**/ FIXED**
Sale Type:	**FULL**	1st Mtg Document #:	183501
Document #:	183500	2nd Mtg Amount/Type:	**$58,000 / CONV**
Deed Type:	**GRANT DEED**	2nd Mtg Int. Rate/Type:	**/ FIXED**
Transfer Document #:		Price Per SqFt:	**$243.60**
New Construction:		Multi/Split Sale:	
Title Company:	**ALLIANCE TITLE CO**		
Lender:	**WELLS FARGO HM MTG INC**		
Seller Name:	**LANCASTER TRUST**		

Prior Sale Information:

Prior Rec/Sale Date:	**05/16/1985 /**	Prior Lender:	
Prior Sale Price:	**$180,000**	Prior 1st Mtg Amt/Type:	**$144,000 / CONV**
Prior Doc Number:	32954	Prior 1st Mtg Rate/Type:	**/**
Prior Deed Type:	**DEED (REG)**		

Property Characteristics:

Gross Area:	**2,381**	Parking Type:	**ATTACHED GARAGE**	Construction:	**WOOD**
Living Area:	**2,381**	Garage Area:		Heat Type:	**FORCED AIR**
Tot Adj Area:		Garage Capacity:	**2**	Exterior wall:	**STUCCO**
Above Grade:		Parking Spaces:	**2**	Porch Type:	**SCREENED PORCH**
Total Rooms:	**7**	Basement Area:		Patio Type:	**COVERED PATIO**
Bedrooms:	**3**	Finish Bsmnt Area:		Pool:	
Bath(F/H):	**2 /**	Basement Type:		Air Cond:	**YES**
Year Built / Eff:	**1978 /**	Roof Type:		Style:	**RECTANGULAR DESIGN**
Fireplace:	**Y / 1**	Foundation:	**RAISED**	Quality:	**GOOD**
# of Stories:	**1.00**	Roof Material:	**TILE**	Condition:	**AVERAGE**
Other Improvements:	**COVERED PATIO;FENCE;OPEN DECK;SCREENED PORCH**				

Site Information:

Zoning:	**AG-40**	Acres:	**5.24**	County Use:	**RURAL RESID-1 UNITS (051)**
Lot Area:	**228,254**	Lot Width/Depth:	**x**	State Use:	
Land Use:	**RURAL HOMESITE**	Res/Comm Units:	**/**	Water Type:	**PUBLIC**
Site Influence:				Sewer Type:	**SEPTIC TANK**

Tax Information:

Total Value:	**$655,661**	Assessed Year:	**2011**	Property Tax:	**$7,041.28**
Land Value:	**$339,135**	Improved %:	**48%**	Tax Area:	**092002**
Improvement Value:	**$316,526**	Tax Year:	**2011**	Tax Exemption:	
Total Taxable Value:	**$655,661**				

Property Detail Report

For Property Located At

CoreLogic RealQuest Professional

24380 HANSEN RD, TRACY, CA 95377-9757

Owner Information:

Owner Name:	**GOUVAIA MARK A & DENISE A**		
Mailing Address:	**24380 HANSEN RD, TRACY CA 95377-9757 R005**		
Phone Number:		Vesting Codes:	**HW / / JT**

Location Information:

Legal Description:	**PARCEL MAPS 13 PG 148**		
County:	**SAN JOAQUIN, CA**	APN:	**209-400-04**
Census Tract / Block:	**52.07 / 1**	Alternate APN:	
Township-Range-Sect:		Subdivision:	
Legal Book/Page:		Map Reference:	**209-40 / 678-J7**
Legal Lot:		Tract #:	
Legal Block:		School District:	**LAMMERSVILLE**
Market Area:		Munic/Township:	
Neighbor Code:	**840**		

Owner Transfer Information:

Recording/Sale Date:	**/**	Deed Type:	
Sale Price:		1st Mtg Document #:	
Document #:			

Last Market Sale Information:

Recording/Sale Date:	**02/27/1998 / 02/20/1998**	1st Mtg Amount/Type:	**$215,950 / CONV**
Sale Price:	**$270,000**	1st Mtg Int. Rate/Type:	**/ FIXED**
Sale Type:	**FULL**	1st Mtg Document #:	
Document #:	23018	2nd Mtg Amount/Type:	**/**
Deed Type:	**GRANT DEED**	2nd Mtg Int. Rate/Type:	**/**
Transfer Document #:		Price Per SqFt:	**$148.51**
New Construction:		Multi/Split Sale:	
Title Company:	**FIRST AMERICAN TITLE/STOCKTON**		
Lender:	**WESTERN SUNRISE**		
Seller Name:	**LIMA JOSE C & HILDA**		

Prior Sale Information:

Prior Rec/Sale Date:	**/**	Prior Lender:	
Prior Sale Price:		Prior 1st Mtg Amt/Type:	**/**
Prior Doc Number:		Prior 1st Mtg Rate/Type:	**/**
Prior Deed Type:			

Property Characteristics:

Gross Area:	**1,818**	Parking Type:	**ATTACHED GARAGE**	Construction:	**WOOD**
Living Area:	**1,818**	Garage Area:		Heat Type:	
Tot Adj Area:		Garage Capacity:	**3**	Exterior wall:	
Above Grade:		Parking Spaces:		Porch Type:	
Total Rooms:		Basement Area:		Patio Type:	
Bedrooms:	**3**	Finish Bsmnt Area:		Pool:	
Bath(F/H):	**2 / 1**	Basement Type:		Air Cond:	**YES**
Year Built / Eff:	**1989 /**	Roof Type:		Style:	**L-SHAPE**
Fireplace:	**Y / 1**	Foundation:		Quality:	**GOOD**
# of Stories:	**1.00**	Roof Material:		Condition:	
Other Improvements:					

Site Information:

Zoning:	**AG-40**	Acres:	**2.01**	County Use:	**RURAL RESID-1 UNITS (051)**
Lot Area:	**87,556**	Lot Width/Depth:	**x**	State Use:	
Land Use:	**RURAL HOMESITE**	Res/Comm Units:	**/**	Water Type:	
Site Influence:				Sewer Type:	

Tax Information:

Total Value:	**$336,436**	Assessed Year:	**2011**	Property Tax:	**$3,564.44**
Land Value:	**$149,555**	Improved %:	**56%**	Tax Area:	**092002**
Improvement Value:	**$186,881**	Tax Year:	**2011**	Tax Exemption:	**HOMEOWNER**
Total Taxable Value:	**$329,436**				

Property Detail Report

For Property Located At

CoreLogic RealQuest Professional

24322 HANSEN RD, TRACY, CA 95377-9757

Owner Information:

Owner Name:	**VIERRA PETER SR**		
Mailing Address:	**24322 HANSEN RD, TRACY CA 95377-9757 R005**		
Phone Number:		Vesting Codes:	**UM / /**

Location Information:

Legal Description:	**TWP 02S RGE 04E SEC 23**		
County:	**SAN JOAQUIN, CA**	APN:	**209-400-09**
Census Tract / Block:	**52.07 / 1**	Alternate APN:	
Township-Range-Sect:		Subdivision:	
Legal Book/Page:		Map Reference:	**209-40 / 678-J7**
Legal Lot:		Tract #:	
Legal Block:		School District:	**LAMMERSVILLE**
Market Area:		Munic/Township:	
Neighbor Code:	**840**		

Owner Transfer Information:

Recording/Sale Date:	**/**	Deed Type:	
Sale Price:		1st Mtg Document #:	
Document #:			

Last Market Sale Information:

Recording/Sale Date:	**03/09/1993 /**	1st Mtg Amount/Type:	**$200,000 / CONV**
Sale Price:	**$250,000**	1st Mtg Int. Rate/Type:	**/ FIXED**
Sale Type:	**FULL**	1st Mtg Document #:	
Document #:	29000	2nd Mtg Amount/Type:	**/**
Deed Type:	**GRANT DEED**	2nd Mtg Int. Rate/Type:	**/**
Transfer Document #:		Price Per SqFt:	**$128.47**
New Construction:		Multi/Split Sale:	
Title Company:	**OLD REPUBLIC TITLE**		
Lender:	**TRACY FED'L**		
Seller Name:	**NANCE TOM & TERRY JO**		

Prior Sale Information:

Prior Rec/Sale Date:	**04/24/1989 / 00/1989**	Prior Lender:	
Prior Sale Price:	**$270,000**	Prior 1st Mtg Amt/Type:	**/**
Prior Doc Number:	35196	Prior 1st Mtg Rate/Type:	**/**
Prior Deed Type:	**GRANT DEED**		

Property Characteristics:

Gross Area:	**1,946**	Parking Type:	**ATTACHED GARAGE**	Construction:	**WOOD**
Living Area:	**1,946**	Garage Area:		Heat Type:	
Tot Adj Area:		Garage Capacity:	**2**	Exterior wall:	
Above Grade:		Parking Spaces:		Porch Type:	
Total Rooms:		Basement Area:		Patio Type:	
Bedrooms:	**3**	Finish Bsmnt Area:		Pool:	**GUNITE**
Bath(F/H):	**2 /**	Basement Type:		Air Cond:	**YES**
Year Built / Eff:	**1974 /**	Roof Type:		Style:	**L-SHAPE**
Fireplace:	**Y / 1**	Foundation:		Quality:	**AVERAGE**
# of Stories:	**1.00**	Roof Material:		Condition:	
Other Improvements:					

Site Information:

Zoning:	**AG-40**	Acres:	**3.00**	County Use:	**RURAL RESID-1 UNITS (051)**
Lot Area:	**130,680**	Lot Width/Depth:	**x**	State Use:	
Land Use:	**RURAL HOMESITE**	Res/Comm Units:	**/**	Water Type:	
Site Influence:				Sewer Type:	

Tax Information:

Total Value:	**$338,212**	Assessed Year:	**2011**	Property Tax:	**$3,606.34**
Land Value:	**$169,106**	Improved %:	**50%**	Tax Area:	**092002**
Improvement Value:	**$169,106**	Tax Year:	**2011**	Tax Exemption:	**HOMEOWNER**
Total Taxable Value:	**$331,212**				

CORDES - LIST OF ON-SITE STRUCTURES AND DISPOSITION

Property	Owner	Property Address	APN	No. Structures	Current Use	Notes
GBC Investments (WTOG)	Christy Concrete	24383 S. Mountain House Parkway	209-090-036	4 Barns 1 Mobile home	Storage, vacant	Structures may be removed to accommodate water tank construction
Sacramento Valley Ltd	Sacramento Valley Ltd	24355 Mountain House Parkway	209-090-034	1 cell tower site	Cell tower site	to remain
Stockton Cellular Tel. Co	Stockton Cellular Tel. Co	24371 Mountain House Parkway	209-090-034	1 cell tower site	Cell tower site	to remain
GBC Investments (WTOG)	Chistry Concrete	24211S. Mountain House Parkway	209-090-036	1 Barn 1 House 2 Garages 1 bill board	House occupied	Structures may be removed as part of Phase 1, billboard to remain
PG & E	Pacific Gas & Electric	24081 Mountain House Parkway	209-080-06	6 out buildings	Gas facilities and maintenance buildings	to remain Phase 1
Johnson	Reed & Sandra Johnson	24308 Mountain House Parkway	209-460-027	1 house	House occupied	to remain Phase 1
Butler	Kerry and Jill Butler	24334 Mountain House Parkway	290-460-028	1 house 1 Barn 1 Garage	House occupied	to remain Phase 1
Jensen	Roberta Jensen	24200 Mountain House Parkway	290-460-029	1 house 1 Garage	House occupied	to remain Phase 1
Lopez	Ismael Lopez Trust	23928 Hansen Road	209-400-01	1 House 3 out buildings	Occupancy?	to remain Phase 1
Adams	James Adams	24080 Hansen Road	209-400-02	1 House 3 out buildings	House Occupied	to remain Phase 1
Dohanota	Sulekha Harinderjit Dohanota	24184 Hansen Road	209-400-03	1 House 1 out building	House occupied	to remain Phase 1
Gouvaia	Mark & Denise Gouvaia	24380 Hansen Road	209-400-04	1 House 1 Out building	House occupied	to remain Phase 1
Vierra	Peter Vierra	24311 Hanseb Road	209-400-09	1House 1out building	House occupied	to remain Phase 1
Sanhu	Gurmit & Narinder Sanhu	22994 Mountain House Parkway	209-400-10	Vacant no strcutures		
Prologis (WTOG)	Prologis	24915 Hansen Road	209-120-05	1 House 1out building	House occupied	to be removed Phase 1
Delta Properties (WTOG)	Delta Properties	24000 S. Mountain House Parkway	209-460-30	1billboard		Billboard to remain

15 APNS

11 HOUSES

Appendix B. Site Reconnaissance Photographs

THE PLANNING CENTER|DC&E PHOTO ESSAY

Client Name:	City of Tracy
Site Location:	Cordes Ranch Specific Plan – Phase I ESA
Project No.:	TCY-05.0E

Photo No:	**Date:**
1	2-23-13

Description:

View of on-site agricultural field, looking northeast; taken from Hansen Road near West Schulte Road



Photo No:	**Date:**
2	2-23-13

Description:

View of on-site Hansen Road, looking north; taken near West Schulte Road.



Client Name: City of Tracy
Site Location: Cordes Ranch Specific Plan – Phase I ESA
Project No.: TCY-05.0E

Photo No:	Date:
3	2-23-13

Description:

View of on-site agricultural field, looking northwest; taken from Hansen Road near West Schulte Road.



Photo No:	Date:
4	2-23-13

Description:

View of on-site storage structure and miscellaneous equipment at developed property at 24915 Hansen Road, looking west.



Client Name: City of Tracy

Site Location: Cordes Ranch Specific Plan – Phase I ESA

Project No.: TCY-05.0E

Photo No:	Date:
5	2-23-13

Description:

View of on-site above ground storage tanks and miscellaneous equipment at developed property at 24915 Hansen Road, looking west.



Photo No:	Date:
6	2-23-13

Description:

View of on-site above ground storage tanks at developed property at 24915 Hansen Road, looking west.



Client Name: City of Tracy
Site Location: Cordes Ranch Specific Plan – Phase I ESA
Project No.: TCY-05.0E

Photo No:	Date:
7	2-23-13

Description:

View of on-site property at 24332 Hansen Road with farming equipment, looking east.



Photo No:	Date:
8	2-23-13

Description:

View of on-site property at 24380 Hansen Road, looking east.



Client Name: City of Tracy
Site Location: Cordes Ranch Specific Plan – Phase I ESA
Project No.: TCY-05.0E

Photo No:	Date:
9	2-23-13

Description:

View of on-site agricultural field, looking south-southwest; taken from Hansen Road at the 205 freeway overpass.



Photo No:	Date:
10	2-23-13

Description:

View of on-site agricultural field, looking southeast; taken from Hansen Road at the 205 freeway overpass. The WSID irrigation canal and 230kV power line are visible in the background.



Client Name: City of Tracy

Site Location: Cordes Ranch Specific Plan – Phase I ESA

Project No.: TCY-05.0E

Photo No:	Date:
11	2-23-13

Description:

View of off-site Tracy Biomass Power Plant, looking southeast; taken from West Schulte Road at southeast corner of site.



Photo No:	Date:
12	2-23-13

Description:

View of off-site Tracy Biomass Power Plant, looking south-southeast; taken from West Schulte Road at southeast corner of site.



Client Name: City of Tracy

Site Location: Cordes Ranch Specific Plan – Phase I ESA

Project No.: TCY-05.0E

Photo No:	Date:
13	2-23-13

Description:

View of on-site agricultural field, looking north-northwest; taken from the WSID Irrigation Canal at the eastern boundary of the site.



Photo No:	Date:
14	2-23-13

Description:

View of on-site agricultural field, looking northeast; taken from Mountain House Parkway.



Client Name: City of Tracy
Site Location: Cordes Ranch Specific Plan – Phase I ESA
Project No.: TCY-05.0E

Photo No:	Date:
15	2-23-13

Description:

View of PG&E's on-site Tracy Maintenance Station at 24810 Mountain House Parkway, looking northwest.



Photo No:	Date:
16	2-23-13

Description:

View of storage structure and house at 24383 Mountain House Parkway, looking west.



Client Name: City of Tracy

Site Location: Cordes Ranch Specific Plan – Phase I ESA

Project No.: TCY-05.0E

Photo No:	Date:
17	2-23-13

Description:

View of on-site Verizon cell towers (24371 Mountain Pass Road), looking west; taken from Mountain House Parkway.



Photo No:	Date:
18	2-23-13

Description:

View across Delta-Mendota Canal of off-site land, structures and transmission line in background, looking west-southwest; taken from Mountain House Parkway at the Delta Mendota Canal.



Client Name: City of Tracy

Site Location: Cordes Ranch Specific Plan – Phase I ESA

Project No.: TCY-05.0E

Photo No:	Date:
19	2-23-13

Description:

View of on-site 230 kV Transmission line and fields, looking northeast; taken from Mountain House Parkway at the Delta Mendota Canal.



Photo No:	Date:
20	2-23-13

Description:

View of on-site drainage easement, looking northeast; taken from the Delta Mendota Canal levee.



Client Name: City of Tracy
Site Location: Cordes Ranch Specific Plan – Phase I ESA
Project No.: TCY-05.0E

Photo No:	Date:
21	2-23-13

Description:

View across the Delta Mendota Canal of on-site drainage easement and off-site business park buildings in the background, looking northwest; taken from the canal levee.



Photo No:	Date:
22	2-23-13

Description:

View of off-site Shell station at Patterson Pass Business Park adjacent to the southwest corner of the site, looking northwest



Appendix C. EDR® Regulatory Agency Research Report



Cordes Ranch Specific Plan Area
37.7323000, -121.5212000
Tracy, CA 95377

Inquiry Number: 3524818.1s
February 26, 2013

The EDR Radius Atlas™

Environmental Data Resources Inc

440 Wheelers Farms Road
Milford, CT 06461
Toll Free: 800.352.0050
www.edrnet.com

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GEOCHECK ADDENDUM

GeoCheck - Not Requested

Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

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EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc (EDR). The report was designed to assist parties seeking to meet the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E 1527-05) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

TARGET PROPERTY INFORMATION

ADDRESS

37.7323000, -121.5212000
TRACY, CA 95377

COORDINATES

Latitude (North):	37.7323000 - 37° 43' 56.28''
Longitude (West):	121.5212000 - 121° 31' 16.32''
Universal Tranverse Mercator:	Zone 10
UTM X (Meters):	630312.1
UTM Y (Meters):	4176938.0
Elevation:	152 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map:	37121-F5 MIDWAY, CA
Most Recent Revision:	1980

TARGET PROPERTY SEARCH RESULTS

The target property was not listed in any of the databases searched by EDR.

DATABASES WITH NO MAPPED SITES

No mapped sites were found in EDR's search of available ("reasonably ascertainable ") government records either on the target property or within the search radius around the target property for the following databases:

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

NPL ---------- National Priority List
Proposed NPL ---------- Proposed National Priority List Sites
NPL LIENS ---------- Federal Superfund Liens

Federal Delisted NPL site list

Delisted NPL ---------- National Priority List Deletions

EXECUTIVE SUMMARY

Federal CERCLIS list

CERCLIS ..... Comprehensive Environmental Response, Compensation, and Liability Information System
FEDERAL FACILITY ..... Federal Facility Site Information listing

Federal CERCLIS NFRAP site List

CERC-NFRAP ..... CERCLIS No Further Remedial Action Planned

Federal RCRA CORRACTS facilities list

CORRACTS ..... Corrective Action Report

Federal RCRA non-CORRACTS TSD facilities list

RCRA-TSDF ..... RCRA - Treatment, Storage and Disposal

Federal RCRA generators list

RCRA-CESQG ..... RCRA - Conditionally Exempt Small Quantity Generator

Federal institutional controls / engineering controls registries

US ENG CONTROLS ..... Engineering Controls Sites List
US INST CONTROL ..... Sites with Institutional Controls
LUCIS ..... Land Use Control Information System

State- and tribal - equivalent NPL

RESPONSE ..... State Response Sites

State and tribal landfill and/or solid waste disposal site lists

SWF/LF ..... Solid Waste Information System

State and tribal leaking storage tank lists

INDIAN LUST ..... Leaking Underground Storage Tanks on Indian Land

State and tribal registered storage tank lists

INDIAN UST ..... Underground Storage Tanks on Indian Land
FEMA UST ..... Underground Storage Tank Listing

State and tribal voluntary cleanup sites

INDIAN VCP ..... Voluntary Cleanup Priority Listing

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS ..... A Listing of Brownfields Sites

EXECUTIVE SUMMARY

Local Lists of Landfill / Solid Waste Disposal Sites

ODI	Open Dump Inventory
DEBRIS REGION 9	Torres Martinez Reservation Illegal Dump Site Locations
SWRCY	Recycler Database
HAULERS	Registered Waste Tire Haulers Listing
INDIAN ODI	Report on the Status of Open Dumps on Indian Lands

Local Lists of Hazardous waste / Contaminated Sites

US CDL	Clandestine Drug Labs
HIST Cal-Sites	Historical Calsites Database
Toxic Pits	Toxic Pits Cleanup Act Sites
US HIST CDL	National Clandestine Laboratory Register

Local Land Records

LIENS 2	CERCLA Lien Information
LIENS	Environmental Liens Listing
DEED	Deed Restriction Listing

Records of Emergency Release Reports

MCS	Military Cleanup Sites Listing

Other Ascertainable Records

DOT OPS	Incident and Accident Data
DOD	Department of Defense Sites
FUDS	Formerly Used Defense Sites
CONSENT	Superfund (CERCLA) Consent Decrees
ROD	Records Of Decision
UMTRA	Uranium Mill Tailings Sites
US MINES	Mines Master Index File
TSCA	Toxic Substances Control Act
FTTS	FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
HIST FTTS	FIFRA/TSCA Tracking System Administrative Case Listing
SSTS	Section 7 Tracking Systems
ICIS	Integrated Compliance Information System
PADS	PCB Activity Database System
MLTS	Material Licensing Tracking System
RADINFO	Radiation Information Database
RAATS	RCRA Administrative Action Tracking System
CA BOND EXP. PLAN	Bond Expenditure Plan
Cortese	"Cortese" Hazardous Waste & Substances Sites List
CUPA Listings	CUPA Resources List
Notify 65	Proposition 65 Records
DRYCLEANERS	Cleaner Facilities
WIP	Well Investigation Program Case List
INDIAN RESERV	Indian Reservations
SCRD DRYCLEANERS	State Coalition for Remediation of Drycleaners Listing
COAL ASH DOE	Steam-Electric Plant Operation Data
COAL ASH EPA	Coal Combustion Residues Surface Impoundments List

HWP ---------- EnviroStor Permitted Facilities Listing
Financial Assurance ---------- Financial Assurance Information Listing
2020 COR ACTION ---------- 2020 Corrective Action Program List
PRP ---------- Potentially Responsible Parties
EPA WATCH LIST ---------- EPA WATCH LIST
US FIN ASSUR ---------- Financial Assurance Information
PCB TRANSFORMER ---------- PCB Transformer Registration Database
PROC ---------- Certified Processors Database
MWMP ---------- Medical Waste Management Program Listing

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP ---------- EDR Proprietary Manufactured Gas Plants

SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified in the following databases.

Elevations have been determined from the USGS Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified. Sites with an elevation equal to or higher than the target property have been differentiated below from sites with an elevation lower than the target property.
Page numbers and map identification numbers refer to the EDR Radius Map report where detailed data on individual sites can be reviewed.

Sites listed in ***bold italics*** are in multiple databases.

Unmappable (orphan) sites are not considered in the foregoing analysis.

STANDARD ENVIRONMENTAL RECORDS

Federal RCRA generators list

RCRA-LQG: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month.

A review of the RCRA-LQG list, as provided by EDR, and dated 12/11/2012 has revealed that there is 1 RCRA-LQG site within approximately 2.75 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
OWENS-BROCKWAY GLASS CONTAINER	***14700 W. SCHULTE RD***	***ESE 1 - 2 (1.544 mi.)***	***V109***	***241***

RCRA-SQG: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

A review of the RCRA-SQG list, as provided by EDR, and dated 12/11/2012 has revealed that there are 7 RCRA-SQG sites within approximately 2.75 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
TRACY MAINTENANCE STATION	***24081 PATTERSON PASS RD***	***NW 1/2 - 1 (0.809 mi.)***	***E13***	***41***
MISSION BELL	***25656 SCHULTE CT***	***SSW 1/2 - 1 (0.811 mi.)***	***F15***	***45***
ENXCO	***17401 COMMERCE WAY***	***S 1/2 - 1 (0.840 mi.)***	***I32***	***72***
COSTCO WHOLESALE 179	25862 S SCHULTE CT	SSW 1/2 - 1 (0.859 mi.)	J38	88
ACUITY SPECIALTY PRODUCTS	25224 SOUTH SCULTE ROAD	SW 1/2 - 1 (0.929 mi.)	L53	111
COMCAST CABLE COMMUNICATIONS M	25201 S SCHULTE RD	WSW 1/2 - 1 (0.940 mi.)	O63	123
SHELL OIL PRODUCTS US TRACY PU	***25705 PATTERSON PASS RD***	***SW 1 - 2 (1.229 mi.)***	***Q73***	***135***

Federal ERNS list

ERNS: The Emergency Response Notification System records and stores information on reported releases of oil and hazardous substances. The source of this database is the U.S. EPA.

A review of the ERNS list, as provided by EDR, and dated 12/31/2012 has revealed that there are 7 ERNS sites within approximately 2.75 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
Not reported	16900 WEST SCHULTE ROAD	SSE 1/2 - 1 (0.833 mi.)	G27	65
Not reported	16900 WEST SCHULTE	SW 1/2 - 1 (0.897 mi.)	45	105
Not reported	25705 PATTERSON PASS RD	SW 1 - 2 (1.240 mi.)	Q77	145
Not reported	25705 WEST PATTERSON PA	SW 1 - 2 (1.253 mi.)	Q88	159
Not reported	25775 S. PATTERSON PASS	WSW 1 - 2 (1.657 mi.)	W115	308

Lower Elevation	Address	Direction / Distance	Map ID	Page
Not reported	14700 SCHULTE RD	ESE 1 - 2 (1.700 mi.)	X120	311
Not reported	14700 W. SCHULTE RD	ESE 1 - 2 (1.700 mi.)	X121	312

State- and tribal - equivalent CERCLIS

ENVIROSTOR: The Department of Toxic Substances Control's (DTSC's) Site Mitigation and Brownfields Reuse Program's (SMBRP's) EnviroStor database identifes sites that have known contamination or sites for which there may be reasons to investigate further. The database includes the following site types: Federal Superfund sites (National Priorities List (NPL)); State Response, including Military Facilities and State Superfund; Voluntary Cleanup; and School sites. EnviroStor provides similar information to the information that was available in CalSites, and provides additional site information, including, but not limited to, identification of formerly-contaminated properties that have been released for reuse, properties where environmental deed restrictions have been recorded to prevent inappropriate land uses, and risk characterization information that is used to assess potential impacts to public health and the environment at contaminated sites.

A review of the ENVIROSTOR list, as provided by EDR, and dated 12/05/2012 has revealed that there are

3 ENVIROSTOR sites within approximately 2.75 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
SHEA HOMES - NEIGHBORHOOD C	***19855 WEST GRANT LINE R***	***NW >2 (2.428 mi.)***	***AB157***	***386***
Status: Inactive - Action Required				
KIMBALL HIGH SCHOOL	***24606 SOUTH LAMMERS ROA***	***E >2 (2.440 mi.)***	***159***	***390***
Status: Active				
OLD VALLEY PIPELINE - MANSFIEL	***13880 W GRANT LINE RD***	***NE >2 (2.638 mi.)***	***AF177***	***407***
Status: No Further Action				

State and tribal leaking storage tank lists

LUST: The Leaking Underground Storage Tank Incident Reports contain an inventory of reported leaking underground storage tank incidents. The data come from the State Water Resources Control Board Leaking Underground Storage Tank Information System.

A review of the LUST list, as provided by EDR, and dated 12/17/2012 has revealed that there are 5 LUST sites within approximately 2.75 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
ARCO #6100	***25775 PATTERSON PASS***	***WSW 1 - 2 (1.657 mi.)***	***W114***	***305***
Status: Open - Assessment & Interim Remedial Action				

Lower Elevation	Address	Direction / Distance	Map ID	Page
LAMMERSVILLE SCHOOL	16555 VON SOSTEN RD W	NNE 1 - 2 (1.340 mi.)	R91	161
Status: Completed - Case Closed				
OWENS-BROCKWAY GLASS CONTAINER	***14700 W. SCHULTE RD***	***ESE 1 - 2 (1.544 mi.)***	***V109***	***241***
Status: Completed - Case Closed				
POMBO RANCH	***24100 LAMMERS***	***E >2 (2.447 mi.)***	***160***	***394***
Status: Completed - Case Closed				
INTERLAND CORP	***8715 GRANT LINE RD W***	***NE >2 (2.563 mi.)***	***AD168***	***400***
Status: Completed - Case Closed				

SLIC: SLIC Region comes from the California Regional Water Quality Control Board.

A review of the SLIC list, as provided by EDR, and dated 12/17/2012 has revealed that there are 8 SLIC sites within approximately 2.75 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
TRI-STATE MOTOR TRANSIT COMPAN	25501 PATTERSON PASS RD	SW 1/2 - 1 (0.805 mi.)	C10	37
TRI-STATE MOTOR TRANSIT COMPAN	***25501 SOUTH PATTERSON P***	***SW 1/2 - 1 (0.934 mi.)***	***N60***	***119***
Facility Status: Open - Inactive				
SHELL TRACY PUMP STATION	25705 PATTERSON PASS RD	SW 1 - 2 (1.240 mi.)	Q76	145

Lower Elevation	Address	Direction / Distance	Map ID	Page
TRACY YOUTH SPORTS PARK	15178 SCHULTE ROAD	ESE 1 - 2 (1.392 mi.)	S97	165
Facility Status: Open - Inactive				

Lower Elevation	Address	Direction / Distance	Map ID	Page
OWENS-BROCKWAY GLASS CONTAINER Facility Status: Open - Inactive	***14700 W. SCHULTE RD***	***ESE 1 - 2 (1.544 mi.)***	***V109***	***241***
OWENS-BROCKWAY GLASS CONTAINER	14700 SHULTE RD W	ESE 1 - 2 (1.700 mi.)	X118	311
SHELL CENTRAL VALLEY CRUDE OIL	MOUNTAIN HOUSE PKWY & G	NNW 1 - 2 (1.965 mi.)	138	364
CHEVRON PIPE LINE COMPANY, MCC	12450 BYRON RD W	ENE >2 (2.631 mi.)	AE174	406

State and tribal registered storage tank lists

UST: The Underground Storage Tank database contains registered USTs. USTs are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA). The data come from the State Water Resources Control Board's Hazardous Substance Storage Container Database.

A review of the UST list, as provided by EDR, and dated 12/17/2012 has revealed that there are 13 UST sites within approximately 2.75 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
P G & E COMPANY	24081 PATTERSON PASS RD	NW 1/2 - 1 (0.761 mi.)	A4	34
PG&E (TRACY MAINTENANCE STATIO	24081 S MOUNTAIN HOUSE	NW 1/2 - 1 (0.761 mi.)	A5	34
COSTCO WHOLESALE - MEATS #210	17880 W SCHULTE RD	SW 1/2 - 1 (0.862 mi.)	K40	91
ARCO STATION #6100*	25775 PATTERSON PASS RD	SW 1 - 2 (1.249 mi.)	Q82	154
ARP MINI MART CORP	25775 S PATTERSON PASS	SW 1 - 2 (1.249 mi.)	Q83	155
MUSCO FAMILY OLIVE CO	17950 W VIA NICOLO	SSW 1 - 2 (1.434 mi.)	T100	166

Lower Elevation	Address	Direction / Distance	Map ID	Page
MERHING, ROBERT	16343 DIABLO CT	NE 1/2 - 1 (0.930 mi.)	M55	114
LAMMERSVILLE SCHOOL	16555 VON SOSTEN RD	NNE 1 - 2 (1.341 mi.)	R93	163
FAA - ANTENNAE FARM	15178 W SCHULTE RD	ESE 1 - 2 (1.392 mi.)	S98	165
OWENS BROCKWAY	14700 W SCHULTE RD	ESE 1 - 2 (1.700 mi.)	X117	310
RAYHER, BILL	19822 W GRANT LINE RD	NW >2 (2.428 mi.)	AB156	386
POMBO RANCH	24100 S LAMMERS RD	E >2 (2.475 mi.)	AC163	397
CALDRONS GENERAL STORE	12750 W BYRON RD	ENE >2 (2.629 mi.)	AE170	403

AST: The Aboveground Storage Tank database contains registered ASTs. The data come from the State Water Resources Control Board's Hazardous Substance Storage Container Database.

A review of the AST list, as provided by EDR, and dated 08/01/2009 has revealed that there are 2 AST sites within approximately 2.75 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
SAFEWAY DISTRIBUTION CENTER	16900 W SCHULTE	SSE 1/2 - 1 (0.833 mi.)	G22	55

Lower Elevation	Address	Direction / Distance	Map ID	Page
OWENS BROCKWAY	14700 W SCHULTE	ESE 1 - 2 (1.700 mi.)	X119	311

State and tribal voluntary cleanup sites

VCP: Contains low threat level properties with either confirmed or unconfirmed releases and the project proponents have request that DTSC oversee investigation and/or cleanup activities and have agreed to provide coverage for DTSC's costs.

A review of the VCP list, as provided by EDR, and dated 12/05/2012 has revealed that there are 2 VCP sites within approximately 2.75 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
SHEA HOMES - NEIGHBORHOOD C	***19855 WEST GRANT LINE R***	***NW >2 (2.428 mi.)***	***AB157***	***386***
OLD VALLEY PIPELINE - MANSFIEL	***13880 W GRANT LINE RD***	***NE >2 (2.638 mi.)***	***AF177***	***407***

ADDITIONAL ENVIRONMENTAL RECORDS

Local Lists of Landfill / Solid Waste Disposal Sites

WMUDS/SWAT: The Waste Management Unit Database System is used for program tracking and inventory of waste management units. The source is the State Water Resources Control Board.

A review of the WMUDS/SWAT list, as provided by EDR, and dated 04/01/2000 has revealed that there is 1 WMUDS/SWAT site within approximately 2.75 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
MUSLO FAMILY OLIVE CO	***17950 VIA NICOLO***	***SSW 1 - 2 (1.513 mi.)***	***U103***	***169***

Local Lists of Hazardous waste / Contaminated Sites

SCH: This category contains proposed and existing school sites that are being evaluated by DTSC for possible hazardous materials contamination. In some cases, these properties may be listed in the CalSites category. depending on the level of threat to public health and safety or the. environment they pose.

A review of the SCH list, as provided by EDR, and dated 12/05/2012 has revealed that there is 1 SCH site within approximately 2.75 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
KIMBALL HIGH SCHOOL	***24606 SOUTH LAMMERS ROA***	***E >2 (2.440 mi.)***	***159***	***390***

CDL: A listing of drug lab locations. Listing of a location in this database does not indicate that any illegal drug lab materials were or were not present there, and does not constitute a determination that the location either requires or does not require additional cleanup work.

A review of the CDL list, as provided by EDR, and dated 06/30/2012 has revealed that there are 3 CDL sites within approximately 2.75 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
Not reported	18601 N GRANT LINE RD	NNW 1 - 2 (1.979 mi.)	139	364
Not reported	19814 W GRANT LINE RD	NW >2 (2.424 mi.)	AB154	385

Lower Elevation	Address	Direction / Distance	Map ID	Page
Not reported	19942 W GRANT LINE RD	NW >2 (2.461 mi.)	161	396

Local Lists of Registered Storage Tanks

CA FID UST: The Facility Inventory Database contains active and inactive underground storage tank locations. The source is the State Water Resource Control Board.

A review of the CA FID UST list, as provided by EDR, and dated 10/31/1994 has revealed that there are 12 CA FID UST sites within approximately 2.75 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
TRACY IFST	SCHULTE/PATTERSON PASS	SW 1/2 - 1 (0.798 mi.)	C8	37
TRI STATE MOTOR COMPANY	***25501 S PATTERSON PASS***	***SW 1/2 - 1 (0.934 mi.)***	***N58***	***116***
ARCO FAC NO. 6100	***25775 S PATTERSON PASS***	***SW 1 - 2 (1.249 mi.)***	***Q81***	***149***
MUSCO OLIVE PRODUCTS	***7950 VIA NICOLO***	***SSW 1 - 2 (1.513 mi.)***	***U104***	***232***

Lower Elevation	Address	Direction / Distance	Map ID	Page
ROBERT MERHING	***16343 DIABLO CT***	***NE 1/2 - 1 (0.930 mi.)***	***M56***	***114***
LAMMERSVILLE SCHOOL DIST	***16555 W VON SOSTEN***	***NNE 1 - 2 (1.340 mi.)***	***R90***	***160***
OWENS ILLINOIS INC TRACY PLANT	***14700 W SCHULTE RD***	***ESE 1 - 2 (1.544 mi.)***	***V110***	***297***
BILL RAYHER	***19822 W GRANTLINE RD***	***NW >2 (2.186 mi.)***	***142***	***365***
ERNEST POMBO	***24100 S LAMMERS RD***	***E >2 (2.475 mi.)***	***AC164***	***398***
TONY CARDOZA ET AL	***8715 W GRANTLINE RD***	***NE >2 (2.563 mi.)***	***AD169***	***401***
CALDRONS GENERAL STORE	***12750 W BYRON ROAD***	***ENE >2 (2.629 mi.)***	***AE172***	***404***
STANLEY ROBERTSON	***8063 W GRANTLINE RD***	***NE >2 (2.683 mi.)***	***AG180***	***411***

HIST UST: Historical UST Registered Database.

A review of the HIST UST list, as provided by EDR, and dated 10/15/1990 has revealed that there are 10 HIST UST sites within approximately 2.75 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
TRI-STATE MOTOR TRANSIT COMPAN	***25501 SOUTH PATTERSON P***	***SW 1/2 - 1 (0.934 mi.)***	***N60***	***119***
RICHARD D BOKIDES	***25775 PATTERSON PASS RD***	***SW 1 - 2 (1.249 mi.)***	***Q84***	***156***

Lower Elevation	Address	Direction / Distance	Map ID	Page
DOUGLAS LITTLE	17250 VON SOSTEN RD	N 1 - 2 (1.285 mi.)	89	159
LAMMERSVILLE SCHOOL DIST.	***16555 VON SOSTEN RD***	***NNE 1 - 2 (1.341 mi.)***	***R94***	***163***
OWENS-BROCKWAY GLASS CONTAINER	***14700 W. SCHULTE RD***	***ESE 1 - 2 (1.544 mi.)***	***V109***	***241***
MARIE M RAYHER	19822 W GRANT LINE RD	NW >2 (2.428 mi.)	AB155	386
POMBO REAL ESTATE	24100 S LAMMERS RD	E >2 (2.475 mi.)	AC165	399
CALDRON'S GENERAL STORE	12750 WEST BYRON ROAD	ENE >2 (2.629 mi.)	AE171	403
VELMA PIMENTEL & SONS DAIRY	8297 W GRANT LINE RD	NE >2 (2.639 mi.)	AF178	410
STANLEY ROBERTSON	8063 W GRANT LINE RD	NE >2 (2.683 mi.)	AG179	411

EXECUTIVE SUMMARY

SWEEPS UST: Statewide Environmental Evaluation and Planning System. This underground storage tank listing was updated and maintained by a company contacted by the SWRCB in the early 1990's. The listing is no longer updated or maintained. The local agency is the contact for more information on a site on the SWEEPS list.

A review of the SWEEPS UST list, as provided by EDR, and dated 06/01/1994 has revealed that there are 12 SWEEPS UST sites within approximately 2.75 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
PACIFIC GAS & ELECTRIC CO	24081 S PATTERSON PASS	NW 1/2 - 1 (0.809 mi.)	E11	38
TRI STATE MOTOR COMPANY	***25501 S PATTERSON PASS***	***SW 1/2 - 1 (0.934 mi.)***	***N58***	***116***
ARCO FAC NO. 6100	***25775 S PATTERSON PASS***	***SW 1 - 2 (1.249 mi.)***	***Q81***	***149***
MUSCO OLIVE PRODUCTS	***7950 VIA NICOLO***	***SSW 1 - 2 (1.513 mi.)***	***U104***	***232***

Lower Elevation	Address	Direction / Distance	Map ID	Page
ROBERT MERHING	***16343 DIABLO CT***	***NE 1/2 - 1 (0.930 mi.)***	***M56***	***114***
LAMMERSVILLE SCHOOL DIST	***16555 W VON SOSTEN***	***NNE 1 - 2 (1.340 mi.)***	***R90***	***160***
OWENS ILLINOIS INC TRACY PLANT	***14700 W SCHULTE RD***	***ESE 1 - 2 (1.544 mi.)***	***V110***	***297***
BILL RAYHER	***19822 W GRANTLINE RD***	***NW >2 (2.186 mi.)***	***142***	***365***
ERNEST POMBO	***24100 S LAMMERS RD***	***E >2 (2.475 mi.)***	***AC164***	***398***
TONY CARDOZA ET AL	***8715 W GRANTLINE RD***	***NE >2 (2.563 mi.)***	***AD169***	***401***
CALDRONS GENERAL STORE	***12750 W BYRON ROAD***	***ENE >2 (2.629 mi.)***	***AE172***	***404***
STANLEY ROBERTSON	***8063 W GRANTLINE RD***	***NE >2 (2.683 mi.)***	***AG180***	***411***

Records of Emergency Release Reports

HMIRS: The Hazardous Materials Incident Report System contains hazardous material spill incidents reported to the Department of Transportation. The source of this database is the U.S. EPA.

A review of the HMIRS list, as provided by EDR, and dated 04/01/2012 has revealed that there is 1 HMIRS site within approximately 2.75 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
Not reported	16900 SCHULTE RD.	SSE 1/2 - 1 (0.833 mi.)	G26	65

CHMIRS: The California Hazardous Material Incident Report System contains information on reported hazardous material incidents, i.e., accidental releases or spills. The source is the California Office of Emergency Services.

A review of the CHMIRS list, as provided by EDR, and dated 03/28/2012 has revealed that there are 12 CHMIRS sites within approximately 2.75 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
SAFEWAY STORES	***16900 W SCHULTE RD***	***SSE 1/2 - 1 (0.833 mi.)***	***G18***	***49***
Not reported	16900 W SCHULTE RD.	SSE 1/2 - 1 (0.833 mi.)	G19	52
Not reported	16900 W. SCHULTE RD	SSE 1/2 - 1 (0.833 mi.)	G20	53
SUMMIT LOGISTICS INC	***16900 WEST SCHULTE RD.***	***SSE 1/2 - 1 (0.833 mi.)***	***G23***	***56***
SUMMIT LOGISTICS	***16900 W SCHULTE RD***	***SSE 1/2 - 1 (0.833 mi.)***	***G24***	***60***
Not reported	16900 WEST SHULTE RD	SSE 1/2 - 1 (0.833 mi.)	G25	64
Not reported	***17298 COMMERCE***	***S 1/2 - 1 (0.835 mi.)***	***H28***	***65***
Not reported	25862 S. SCHULTE COURT	SSW 1/2 - 1 (0.861 mi.)	J39	89
Not reported	25241 SCHULTE	SW 1/2 - 1 (0.932 mi.)	L57	115

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
Not reported	17950 WEST VIA NICHOLO	SSW 1 - 2 (1.434 mi.)	T101	167
MUSLO FAMILY OLIVE CO	***17950 VIA NICOLO***	***SSW 1 - 2 (1.513 mi.)***	***U103***	***169***
Lower Elevation	**Address**	**Direction / Distance**	**Map ID**	**Page**
Not reported	14700 WEST SHULTE RD	ESE 1 - 2 (1.546 mi.)	V111	301

LDS: The Land Disposal program regulates of waste discharge to land for treatment, storage and disposal in waste management units.

A review of the LDS list, as provided by EDR, and dated 12/17/2012 has revealed that there is 1 LDS site within approximately 2.75 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
MUSLO FAMILY OLIVE CO	***17950 VIA NICOLO***	***SSW 1 - 2 (1.513 mi.)***	***U103***	***169***

Other Ascertainable Records

RCRA NonGen / NLR: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

A review of the RCRA NonGen / NLR list, as provided by EDR, and dated 12/11/2012 has revealed that there are 2 RCRA NonGen / NLR sites within approximately 2.75 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
ZEP SALES AND SERVICES	25224 S SCHULTE RD	SW 1/2 - 1 (0.929 mi.)	L51	109
Lower Elevation	**Address**	**Direction / Distance**	**Map ID**	**Page**
M AND T SOUZA	***19720 W GRANT LINE RD***	***NW >2 (2.384 mi.)***	***152***	***384***

TRIS: The Toxic Chemical Release Inventory System identifies facilities that release toxic chemicals to the air, water, and land in reportable quantities under SARA Title III, Section 313. The source of this database is the U.S. EPA.

A review of the TRIS list, as provided by EDR, and dated 12/31/2009 has revealed that there is 1 TRIS site within approximately 2.75 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
OWENS-BROCKWAY GLASS CONTAINER	***14700 W. SCHULTE RD***	***ESE 1 - 2 (1.544 mi.)***	***V109***	***241***

EXECUTIVE SUMMARY

FINDS: The Facility Index System contains both facility information and "pointers" to other sources of information that contain more detail. These include: RCRIS; Permit Compliance System (PCS); Aerometric Information Retrieval System (AIRS); FATES (FIFRA [Federal Insecticide Fungicide Rodenticide Act] and TSCA Enforcement System, FTTS [FIFRA/TSCA Tracking System]; CERCLIS; DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes); Federal Underground Injection Control (FURS); Federal Reporting Data System (FRDS); Surface Impoundments (SIA); TSCA Chemicals in Commerce Information System (CICS); PADS; RCRA-J (medical waste transporters/disposers); TRIS; and TSCA. The source of this database is the U.S. EPA/NTIS.

A review of the FINDS list, as provided by EDR, and dated 10/23/2011 has revealed that there are 23 FINDS sites within approximately 2.75 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
TRACY MAINTENANCE STATION	***24081 PATTERSON PASS RD***	***NW 1/2 - 1 (0.809 mi.)***	***E13***	***41***
FLAT AGRICULTURAL TERRAIN. INS	24081 PATTERSON PASS RO	NW 1/2 - 1 (0.809 mi.)	E14	44
MISSION BELL	25656 SCHULTE CT	SSW 1/2 - 1 (0.811 mi.)	F16	48
SAFEWAY DISTRIBUTION CENTER	16900 W. SCHULTE ROAD	SSE 1/2 - 1 (0.833 mi.)	G21	55
ENXCO	***17401 COMMERCE WAY***	***S 1/2 - 1 (0.840 mi.)***	***I32***	***72***
COSTCO WHOLESALE 179	25862 S SCHULTE CT	SSW 1/2 - 1 (0.859 mi.)	J37	87
COSTCO WHOLESALE MEAT PLANT -	17880 WEST SCHULTE ROAD	SW 1/2 - 1 (0.868 mi.)	K43	104
ACUITY SPECIALTY PRODUCTS	25224 S SCHULTE RD	SW 1/2 - 1 (0.929 mi.)	L52	111
ZEP MANUFACTURING CO.	25224 S. SCHULTE RD.	SW 1/2 - 1 (0.929 mi.)	L54	113
ADESA CALIFORNIA LLC/ATTN: EN	18501 STANFORD ROAD	WSW 1/2 - 1 (0.950 mi.)	P69	132
SHELL PIPELINE-TRACY PUMP STAT	***25705 W PATTERSON PASS***	***SW 1 - 2 (1.229 mi.)***	***Q74***	***139***
ATLANTIC RICHFIELD OIL COMPANY	25775 S PATTERSON PASS	SW 1 - 2 (1.249 mi.)	Q86	159
ARCO #06100 - ARP MINIMART COR	25775 S PATTERSON PASS	SW 1 - 2 (1.249 mi.)	Q87	159
CONCRETE PRODUCTS, INC.	26901 HANSEN ROAD	SSE 1 - 2 (1.748 mi.)	Y124	313
LOCATED ON HOLDEN FARM APPROX.	24371 PATTERSON PASS RO	W 1 - 2 (1.769 mi.)	126	314
GWF ENERGY, LLC-TRACY PEAKER P	***14950 W. SCHULTE ROAD***	***SE >2 (2.213 mi.)***	***AA144***	***369***

Lower Elevation	Address	Direction / Distance	Map ID	Page
LAMMERSVILLE ELEMENTARY	16555 W. VON SOSTEN ROA	NNE 1 - 2 (1.341 mi.)	R92	162
OWENS-BROCKWAY GLASS CONTAINER	***14700 W. SCHULTE RD***	***ESE 1 - 2 (1.544 mi.)***	***V109***	***241***
THERMAL ENERGY DEVELOPMENT COR	***14800 W SCHULTE RD***	***ESE 1 - 2 (1.927 mi.)***	***Z132***	***321***
TRACY OPERATORS	14800 W. SCHULTE ROAD	ESE 1 - 2 (1.927 mi.)	Z135	363
M AND T SOUZA	***19720 W GRANT LINE RD***	***NW >2 (2.384 mi.)***	***152***	***384***
SHEA HOMES - NEIGHBORHOOD C	19855 WEST GRANT LINE R	NW >2 (2.428 mi.)	AB158	389
OLD VALLEY PIPELINE - MANSFIEL	13880 W GRANT LINE RD	NE >2 (2.638 mi.)	AF176	407

RMP: When Congress passed the Clean Air Act Amendments of 1990, it required EPA to publish regulations and guidance for chemical accident prevention at facilities using extremely hazardous substances. The Risk Management Program Rule (RMP Rule) was written to implement Section 112(r) of these amendments. The rule, which built upon existing industry codes and standards, requires companies of all sizes that use certain flammable and toxic substances to develop a Risk Management Program, which includes a(n): Hazard assessment that details the potential effects of an accidental release, an accident history of the last five years, and an evaluation of worst-case and alternative accidental releases; Prevention program that includes safety precautions and maintenance, monitoring, and employee training measures; and Emergency response program that spells out emergency health care, employee training measures and procedures for informing the public and response agencies (e.g the fire department) should an accident occur.

A review of the RMP list, as provided by EDR, and dated 05/08/2012 has revealed that there are 2 RMP sites within approximately 2.75 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
COSTCO WHOLESALE - TRACY DEPOT	25862 S. SCHULTE COURT	SSW 1/2 - 1 (0.859 mi.)	J35	75

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
COSTCO WHOLESALE MEAT PLANT -	17880 WEST SCHULTE ROAD	SW 1/2 - 1 (0.868 mi.)	K41	91

UIC: A listing of underground control injection wells.

A review of the UIC list, as provided by EDR, and dated 10/17/2012 has revealed that there are 14 UIC sites within approximately 2.75 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
RICHARD S. RHEEM, OPERATOR		SE 1/2 - 1 (0.664 mi.)	3	33
MUSCO OLIVE PRODUCTS, INC.		SSW 1 - 2 (1.409 mi.)	99	166
ANNIE FABIAN		SW 1 - 2 (1.522 mi.)	107	236
SANTA FE MINERALS		W 1 - 2 (1.730 mi.)	122	312
COAST EXPLORATION COMPANY		SSE >2 (2.396 mi.)	153	385

Lower Elevation	Address	Direction / Distance	Map ID	Page
THE TERMO COMPANY		E 1 - 2 (1.934 mi.)	136	363
ENERFIN RESOURCES NORTHWEST LI		NE >2 (2.079 mi.)	141	365
CONLEY & ASSOCIATES INC.		NE >2 (2.253 mi.)	145	380
S. M. REYNOLDS, OPR.		N >2 (2.254 mi.)	146	380
CONLEY & ASSOCIATES INC.		NE >2 (2.288 mi.)	148	381
ENERFIN RESOURCES NORTHWEST LI		NE >2 (2.333 mi.)	150	382
TOWNE EXPLORATION COMPANY		NNE >2 (2.494 mi.)	166	399
NAHAMA & WEAGANT ENERGY COMPAN		NE >2 (2.506 mi.)	167	400
TIGER OIL COMPANY		ENE >2 (2.687 mi.)	181	412

NPDES: A listing of NPDES permits, including stormwater.

A review of the NPDES list, as provided by EDR, and dated 11/19/2012 has revealed that there are 8 NPDES sites within approximately 2.75 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
SAFEWAY STORES	***16900 W SCHULTE RD***	***SSE 1/2 - 1 (0.833 mi.)***	***G18***	***49***
MOUNTAI HOUSE GAS STATION & CA	25456 SCHULTE RD	SW 1/2 - 1 (0.900 mi.)	46	105
MASONRY DEVELOPMENT OF NORTHER	25437 S SCHULTE RD	SW 1/2 - 1 (0.927 mi.)	48	107
ADESA CA INC	***18501 W STAFORD RD***	***WSW 1/2 - 1 (0.942 mi.)***	***P64***	***125***
MUSLO FAMILY OLIVE CO	***17950 VIA NICOLO***	***SSW 1 - 2 (1.513 mi.)***	***U103***	***169***
G W F ENERGY LLC	***14950 W SCHULTE RD***	***SE >2 (2.213 mi.)***	***AA143***	***366***

Lower Elevation	Address	Direction / Distance	Map ID	Page
DMC CA INTERTIE PUMPING PLANT	17601 WEST GRANT LINE R	N 1 - 2 (1.818 mi.)	129	315
KIMBALL HIGH SCHOOL	***24606 SOUTH LAMMERS ROA***	***E >2 (2.440 mi.)***	***159***	***390***

EXECUTIVE SUMMARY

HIST CORTESE: The sites for the list are designated by the State Water Resource Control Board [LUST], the Integrated Waste Board [SWF/LS], and the Department of Toxic Substances Control [CALSITES]. This listing is no longer updated by the state agency.

A review of the HIST CORTESE list, as provided by EDR, and dated 04/01/2001 has revealed that there are 6 HIST CORTESE sites within approximately 2.75 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
ARCO #6100	***25775 PATTERSON PASS***	***WSW 1 - 2 (1.657 mi.)***	***W114***	***305***

Lower Elevation	Address	Direction / Distance	Map ID	Page
LAMMERSVILLE SCHOOL DIST.	***16555 VON SOSTEN RD***	***NNE 1 - 2 (1.341 mi.)***	***R94***	***163***
OWENS-BROCKWAY GLASS CONTAINER	***14700 W. SCHULTE RD***	***ESE 1 - 2 (1.544 mi.)***	***V109***	***241***
BRUCE & JOANNE KIMBROUGH	17529 GRANT LINE	NNW 1 - 2 (1.809 mi.)	128	315
POMBO RANCH	***24100 LAMMERS***	***E >2 (2.447 mi.)***	***160***	***394***
INTERLAND CORP	***8715 GRANT LINE RD W***	***NE >2 (2.563 mi.)***	***AD168***	***400***

ENF: A listing of Water Board Enforcement Actions. Formal is everything except Oral/Verbal Communication, Notice of Violation, Expedited Payment Letter, and Staff Enforcement Letter.

A review of the ENF list, as provided by EDR, and dated 11/16/2012 has revealed that there are 2 ENF sites within approximately 2.75 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
MUSLO FAMILY OLIVE CO	***17950 VIA NICOLO***	***SSW 1 - 2 (1.513 mi.)***	***U103***	***169***

Lower Elevation	Address	Direction / Distance	Map ID	Page
OWENS-BROCKWAY GLASS CONTAINER	***14700 W. SCHULTE RD***	***ESE 1 - 2 (1.544 mi.)***	***V109***	***241***

HAZNET: The data is extracted from the copies of hazardous waste manifests received each year by the DTSC. The annual volume of manifests is typically 700,000-1,000,000 annually, representing approximately 350,000-500,000 shipments. Data from non-California manifests & continuation sheets are not included at the present time. Data are from the manifests submitted without correction, and therefore many contain some invalid values for data elements such as generator ID, TSD ID, waste category, & disposal method. The source is the Department of Toxic Substance Control is the agency

A review of the HAZNET list, as provided by EDR, and dated 12/31/2011 has revealed that there are 53 HAZNET sites within approximately 2.75 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
SM ALEGRE FARMS	24915 HANSEN RD	ESE 1/4 - 1/2 (0.497 mi.)	1	32
BARBOSA CABINETS INC	25520 SCHULTE CT	SSW 1/2 - 1 (0.773 mi.)	B6	35
R EMMETT PACKAGING	25653 GATEWAY BLVD	S 1/2 - 1 (0.803 mi.)	D9	37
PACIFIC GAS & ELECTRIC/TRACY D	24081 PATTERSON PASS RD	NW 1/2 - 1 (0.809 mi.)	E12	39
TRACY MAINTENANCE STATION	***24081 PATTERSON PASS RD***	***NW 1/2 - 1 (0.809 mi.)***	***E13***	***41***
MISSION BELL	***25656 SCHULTE CT***	***SSW 1/2 - 1 (0.811 mi.)***	***F15***	***45***
PALLET KING INC	25686 GATEWAY BLVD	S 1/2 - 1 (0.822 mi.)	D17	48
SAFEWAY STORES	***16900 W SCHULTE RD***	***SSE 1/2 - 1 (0.833 mi.)***	***G18***	***49***
SUMMIT LOGISTICS INC	***16900 WEST SCHULTE RD.***	***SSE 1/2 - 1 (0.833 mi.)***	***G23***	***56***
SUMMIT LOGISTICS	***16900 W SCHULTE RD***	***SSE 1/2 - 1 (0.833 mi.)***	***G24***	***60***
ENXCO INC-TRACY SHOP	17298 W COMMERCE WAY	S 1/2 - 1 (0.835 mi.)	H30	69
LEGEND TRANSPORTATION	17365 W COMMERCE WAY	S 1/2 - 1 (0.836 mi.)	I31	71

EXECUTIVE SUMMARY

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
ENXCO	***17401 COMMERCE WAY***	***S 1/2 - 1 (0.840 mi.)***	***I32***	***72***
COSTCO WHOLESALE #210	25701 S CORPORATE CT	S 1/2 - 1 (0.848 mi.)	I33	75
COSTCO C/O 3E COMPANY	25862 SCHULTE CT	SSW 1/2 - 1 (0.859 mi.)	J34	75
COSTCO WHOLESALE 179	25862 S SCHULTE CT	SSW 1/2 - 1 (0.859 mi.)	J36	86
COSTCO WHOLESALE MEATS #210	17880 W SCHULTE RD	SW 1/2 - 1 (0.868 mi.)	K42	102
LIFT TRUCK SERVICE INC	25385 S SCHULTE RD	SW 1/2 - 1 (0.927 mi.)	47	105
ZEP MANUFACTURING CO INC	25224 S SCHULTE RD	SW 1/2 - 1 (0.929 mi.)	L49	107
ZEP MANUFACTURING CO	25224 S SCHULTE RD	SW 1/2 - 1 (0.929 mi.)	L50	109
TRACY INDUSTRIAL PARTNERS	25501 SO PATTERSON PASS	SW 1/2 - 1 (0.934 mi.)	N59	119
TRI-STATE MOTOR TRANSIT COMPAN	***25501 SOUTH PATTERSON P***	***SW 1/2 - 1 (0.934 mi.)***	***N60***	***119***
THE COMPLETE LOGISTICS CO INC	25188 S SCHULTE RD BLDG	WSW 1/2 - 1 (0.935 mi.)	O61	121
JOHNS MANVILLE	25176 S SCHULTE RD	WSW 1/2 - 1 (0.937 mi.)	O62	122
COSTCO WHOLESALE DEPOT #179	25701 CORPORATE CT	S 1/2 - 1 (0.948 mi.)	65	126
ADESA CALIFORNIA, LLC	18501 W STANFORD RD	WSW 1/2 - 1 (0.950 mi.)	P67	129
ADESA CALIFORNIA LLC DBA ADESA	18501 STANFORD RD	WSW 1/2 - 1 (0.950 mi.)	P68	130
COSTCO	25701 CORPORATE CIR	SW 1/2 - 1 (0.965 mi.)	71	133
SHELL OIL PRODUCTS US TRACY PU	***25705 PATTERSON PASS RD***	***SW 1 - 2 (1.229 mi.)***	***Q73***	***135***
SHELL PIPELINE COMPANY LP-TRAC	25705 WEST PATTERSON PA	SW 1 - 2 (1.240 mi.)	Q78	146
ARCO FAC NO. 6100	***25775 S PATTERSON PASS***	***SW 1 - 2 (1.249 mi.)***	***Q81***	***149***
RICHARD D BOKIDES	***25775 PATTERSON PASS RD***	***SW 1 - 2 (1.249 mi.)***	***Q84***	***156***
MUSLO FAMILY OLIVE CO	***17950 VIA NICOLO***	***SSW 1 - 2 (1.513 mi.)***	***U103***	***169***
MUSCO OLIVE PRODUCTS	***17950 VIA NICOLO***	***SSW 1 - 2 (1.513 mi.)***	***U105***	***233***
UNOCAL PIPE LINES	PATTERSON PASS ROAD AND	WSW 1 - 2 (1.623 mi.)	112	303
ARCO PRODUCTS COMPANY	25775 S PATTERSON PAS	WSW 1 - 2 (1.657 mi.)	W113	303
R & L BROSAMER INC	26820 HANSEN RD	SSE 1 - 2 (1.676 mi.)	116	309
G W F ENERGY LLC	***14950 W SCHULTE RD***	***SE >2 (2.213 mi.)***	***AA143***	***366***
ALTAMONT RACEWAY PARK	17001 MIDWAY RD	WSW >2 (2.367 mi.)	151	382

Lower Elevation	Address	Direction / Distance	Map ID	Page
EXCEL ENVIRONMENTAL SERVICES	***23399 HANSEN RD***	***NNE 1 - 2 (1.012 mi.)***	***72***	***134***
LAMMERSVILLE ELEMENTARY SCHOOL	16555 W VON SOSTEN RD	NNE 1 - 2 (1.341 mi.)	R95	164
WRIGHT ENVIRONMENTAL	17798 VON SOSTEN	NNW 1 - 2 (1.350 mi.)	96	164
OWENS ILLINOIS INC TRACY PLANT	***14700 W SCHULTE RD***	***ESE 1 - 2 (1.544 mi.)***	***V110***	***297***
PG & E	16895 GRANT LINE RD	N 1 - 2 (1.801 mi.)	127	315
THERMAL ENERGY DEVELOPMENT PAR	***14800 W SCHULTE RD***	***ESE 1 - 2 (1.927 mi.)***	***Z131***	***316***
TRACY OPERATORS	14800 SCHULTE AVE	ESE 1 - 2 (1.927 mi.)	Z133	361
TRACY BIOMASS	14800 SCHULTE AVE	ESE 1 - 2 (1.927 mi.)	Z134	362
CITY OF TRACY/DEVELOPMENT & EN	15173 SCHULTE RD	ESE 1 - 2 (1.939 mi.)	137	363
KAMLIOS DEVELOPMENT INC	18888 W GRANT LINE RD	NNW >2 (2.056 mi.)	140	365
SHEA HOMES INC	19475 W GRANT LINE RD	NW >2 (2.273 mi.)	147	381
NWCPL0040 TRACY PUMP STATION	14821 W GRANT LINE RD	NE >2 (2.308 mi.)	149	381
D & L CARGO	14222 W BYRON RD	NE >2 (2.465 mi.)	162	396
P & C AUTO RECYCLERS	12600 W BYRON RD	ENE >2 (2.630 mi.)	AE173	405

EMI: Toxics and criteria pollutant emissions data collected by the ARB and local air pollution agencies

A review of the EMI list, as provided by EDR, and dated 12/31/2008 has revealed that there are 18 EMI sites within approximately 2.75 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
VERIZON WIRELESS - PATTERSON P	24371 MOUNTAIN HOUSE RO	WNW 1/2 - 1 (0.616 mi.)	2	32
CLUB RESOURCE GROUP	25520 SCHULTE COURT	SSW 1/2 - 1 (0.781 mi.)	B7	36

EXECUTIVE SUMMARY

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
Not reported	***17298 COMMERCE***	***S 1/2 - 1 (0.835 mi.)***	***H28***	***65***
ALGOMA HARDWOOD INC	17298 WEST COMMERCE WAY	S 1/2 - 1 (0.835 mi.)	H29	68
SECURITY CAPITAL INDSTRL TRUST	25780 S CORPORATE CT	S 1/2 - 1 (0.896 mi.)	44	104
ADESA CALIFORNIA LLC/ATTN: ENV	18501 STANFORD ROAD	WSW 1/2 - 1 (0.950 mi.)	P66	127
EQUILON	25705 PATTERSON PASS RD	SW 1 - 2 (1.240 mi.)	Q75	143
ATLANTIC RICHFIELD OIL COMPANY	25775 S PATTERSON PASS	SW 1 - 2 (1.249 mi.)	Q79	147
ARCO #06100 - ARP MINIMART COR	25775 S PATTERSON PASS	SW 1 - 2 (1.249 mi.)	Q80	149
MUSCO OLIVE PRODUCTS	***17950 VIA NICOLO***	***SSW 1 - 2 (1.513 mi.)***	***U105***	***233***
CONCRETE PRODUCTS, INC.	26901 HANSEN ROAD	SSE 1 - 2 (1.748 mi.)	Y123	312
CONCRETE PRODUCTS INC	26901 HANSEN RD.	SSE 1 - 2 (1.748 mi.)	Y125	313
G W F ENERGY LLC	***14950 W SCHULTE RD***	***SE >2 (2.213 mi.)***	***AA143***	***366***

Lower Elevation	Address	Direction / Distance	Map ID	Page
THERMAL ENERGY DEVELOPMENT COR	14800 W. SCHULTE ROAD	ESE 1 - 2 (1.514 mi.)	106	235
OWENS-BROCKWAY GLASS CONTAINER	14700 W SCHULTE ROAD	ESE 1 - 2 (1.544 mi.)	V108	237
OWENS ILLINOIS INC TRACY PLANT	***14700 W SCHULTE RD***	***ESE 1 - 2 (1.544 mi.)***	***V110***	***297***
AT&T MOBILITY	16163 W GRANT LINE RD	NNE 1 - 2 (1.902 mi.)	130	316
THERMAL ENERGY DEVELOPMENT PAR	***14800 W SCHULTE RD***	***ESE 1 - 2 (1.927 mi.)***	***Z131***	***316***

HWT: A listing of hazardous waste transporters. In California, unless specifically exempted, it is unlawful for any person to transport hazardous wastes unless the person holds a valid registration issued by DTSC. A hazardous waste transporter registration is valid for one year and is assigned a unique registration number.

A review of the HWT list, as provided by EDR, and dated 01/15/2013 has revealed that there is 1 HWT site within approximately 2.75 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
EXCEL ENVIRONMENTAL SERVICES	***23399 HANSEN RD***	***NNE 1 - 2 (1.012 mi.)***	***72***	***134***

US AIRS: The database is a sub-system of Aerometric Information Retrieval System (AIRS). AFS contains compliance data on air pollution point sources regulated by the U.S. EPA and/or state and local air regulatory agencies. This information comes from source reports by various stationary sources of air pollution, such as electric power plants, steel mills, factories, and universities, and provides information about the air pollutants they produce. Action, air program, air program pollutant, and general level plant data. It is used to track emissions and compliance data from industrial plants.

A review of the US AIRS list, as provided by EDR, and dated 11/15/2012 has revealed that there are 4 US AIRS sites within approximately 2.75 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
SHELL PIPELINE-TRACY PUMP STAT	***25705 W PATTERSON PASS***	***SW 1 - 2 (1.229 mi.)***	***Q74***	***139***
GWF ENERGY, LLC-TRACY PEAKER P	***14950 W. SCHULTE ROAD***	***SE >2 (2.213 mi.)***	***AA144***	***369***

Lower Elevation	Address	Direction / Distance	Map ID	Page
OWENS-BROCKWAY GLASS CONTAINER	***14700 W. SCHULTE RD***	***ESE 1 - 2 (1.544 mi.)***	***V109***	***241***
THERMAL ENERGY DEVELOPMENT COR	***14800 W SCHULTE RD***	***ESE 1 - 2 (1.927 mi.)***	***Z132***	***321***

WDS: California Water Resources Control Board - Waste Discharge System.

A review of the WDS list, as provided by EDR, and dated 06/19/2007 has revealed that there are 6 WDS sites within approximately 2.75 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
SUMMIT LOGISTICS	***16900 W SCHULTE RD***	***SSE 1/2 - 1 (0.833 mi.)***	***G24***	***60***
ADESA CA INC	***18501 W STAFORD RD***	***WSW 1/2 - 1 (0.942 mi.)***	***P64***	***125***
PALESTRO DISTRIBUTION CENTERS	25125 S SCHULTE RD	WSW 1/2 - 1 (0.955 mi.)	70	132
WWT & LAND DISPOSAL FACILITY	17950 VIA NICOLO	SSW 1 - 2 (1.434 mi.)	T102	168
MUSLO FAMILY OLIVE CO	***17950 VIA NICOLO***	***SSW 1 - 2 (1.513 mi.)***	***U103***	***169***

Lower Elevation	Address	Direction / Distance	Map ID	Page
OWENS-BROCKWAY GLASS CONTAINER	***14700 W. SCHULTE RD***	***ESE 1 - 2 (1.544 mi.)***	***V109***	***241***

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR US Hist Auto Stat: EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

A review of the EDR US Hist Auto Stat list, as provided by EDR, has revealed that there are 2 EDR US Hist Auto Stat sites within approximately 2.75 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
Not reported	25775 PATTERSON PASS R	SW 1 - 2 (1.249 mi.)	Q85	158

Lower Elevation	Address	Direction / Distance	Map ID	Page
Not reported	1262 ANNAMARIE WAY	ENE >2 (2.633 mi.)	175	407

EDR US Hist Cleaners: EDR has searched selected national collections of business directories and has collected listings of potential dry cleaner sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning establishments. The categories reviewed included, but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash & dry etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

A review of the EDR US Hist Cleaners list, as provided by EDR, has revealed that there is 1 EDR US

EXECUTIVE SUMMARY

Hist Cleaners site within approximately 2.75 miles of the target property.

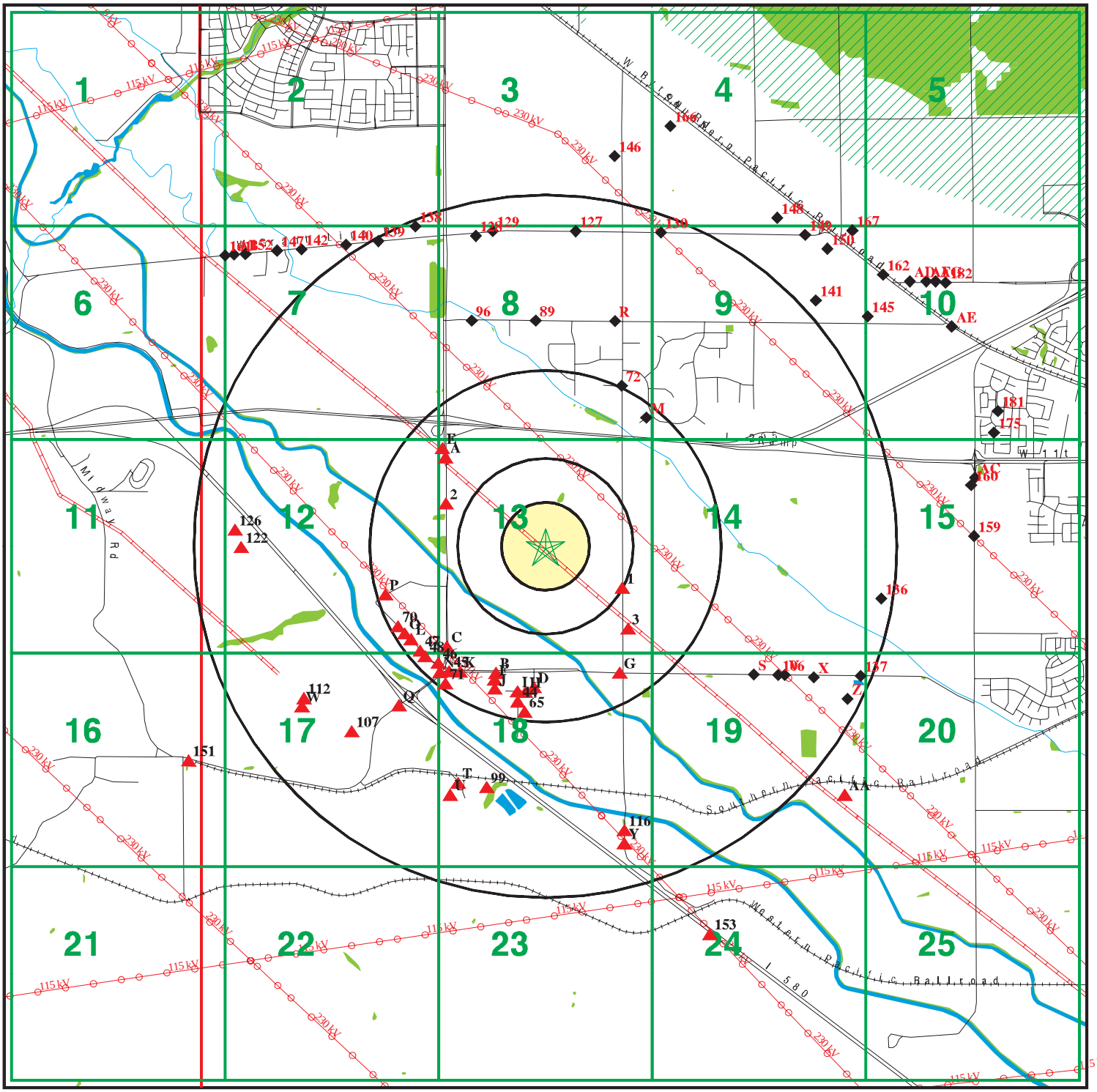
Lower Elevation	Address	Direction / Distance	Map ID	Page
Not reported	13588 W GRANT LINE RD	ENE >2 (2.728 mi.)	182	412

EXECUTIVE SUMMARY

Due to poor or inadequate address information, the following sites were not mapped. Count: 20 records.

Site Name	Database(s)
PATTERSON PASS WATER TREATMENT PLA	RMP
CHEVRON	HIST CORTESE
VANGUARD CONSTRUCTION BATCH PLANT	NPDES
MCFARLAND SUB	NPDES
MOUNTAIN HOUSE HIGH SCHOOL	NPDES
CORRAL HOLLOW SANITARY LANDFILL	NPDES
MITSUBISHI ELECTRIC POWER PRODUCT	HAZNET,NPDES
	CDL
	CDL
	CDL
	CDL
PG&E GAS PLANT LIVERMORE	CERCLIS-NFRAP
CALIFORNIA WATER SERV WELL #10-01	CERCLIS-NFRAP
CHEVRON	LUST
CALTRANS DIST 4/CONSTR/EA04-2R0604	HAZNET
FOLEY RANCH	HAZNET
CORRAL HOLLOW LANDFILL	HAZNET
NEXTEL OF CALIFORNIA INC SITE	EMI
VERIZON WIRELESS (WINDFARM)	EMI
SAN JOAQUIN COUNTY DEPT OF PUBLIC	EMI

OVERVIEW MAP - 3524818.1s



- Target Property
- Sites at elevations higher than or equal to the target property
- Sites at elevations lower than the target property
- Manufactured Gas Plants
- National Priority List Sites
- Dept. Defense Sites

0 3/4 1 1/2 3 Miles

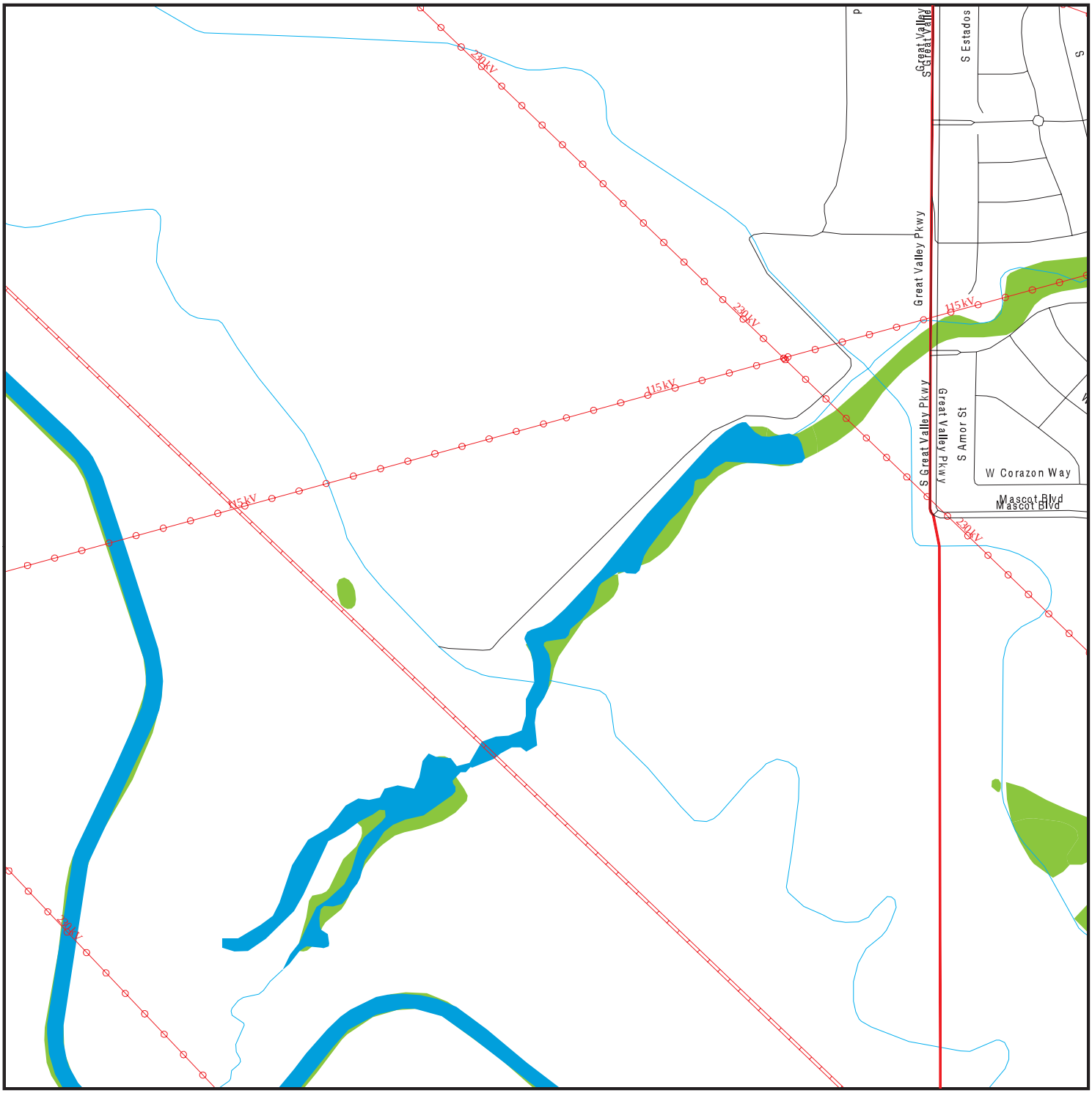
- Indian Reservations BIA
- County Boundary
- Power transmission lines
- Oil & Gas pipelines from USGS
- 100-year flood zone
- 500-year flood zone
- National Wetland Inventory
- Areas of Concern

N

SITE NAME:	Cordes Ranch Specific Plan Area	CLIENT:	The Planning Center-LA Office
ADDRESS:	37.7323000, -121.5212000 Tracy CA 95377	CONTACT:	Karl Rodenbaugh
		INQUIRY #:	3524818.1s
LAT/LONG:	37.7323 / -121.5212	DATE:	February 26, 2013 8:53 am

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DETAIL MAP 1 of 25 - 3524818.1s



- Target Property
- Sites at elevations higher than or equal to the target property
- Sites at elevations lower than the target property
- Manufactured Gas Plants
- Sensitive Receptors
- National Priority List Sites
- Dept. Defense Sites

0 1/8 1/4 1/2 Miles

- Indian Reservations BIA
- County Boundary
- Power transmission lines
- Oil & Gas pipelines from USGS
- 100-year flood zone
- 500-year flood zone
- National Wetland Inventory
- Areas of Concern

N

SITE NAME:	Cordes Ranch Specific Plan Area	CLIENT:	The Planning Center-LA Office
ADDRESS:	37.7323000, -121.5212000	CONTACT:	Karl Rodenbaugh
	Tracy CA 95377	INQUIRY #:	3524818.1s
LAT/LONG:	37.7323 / -121.5212	DATE:	February 26, 2013 8:54 am

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DETAIL MAP 2 of 25 - 3524818.1s



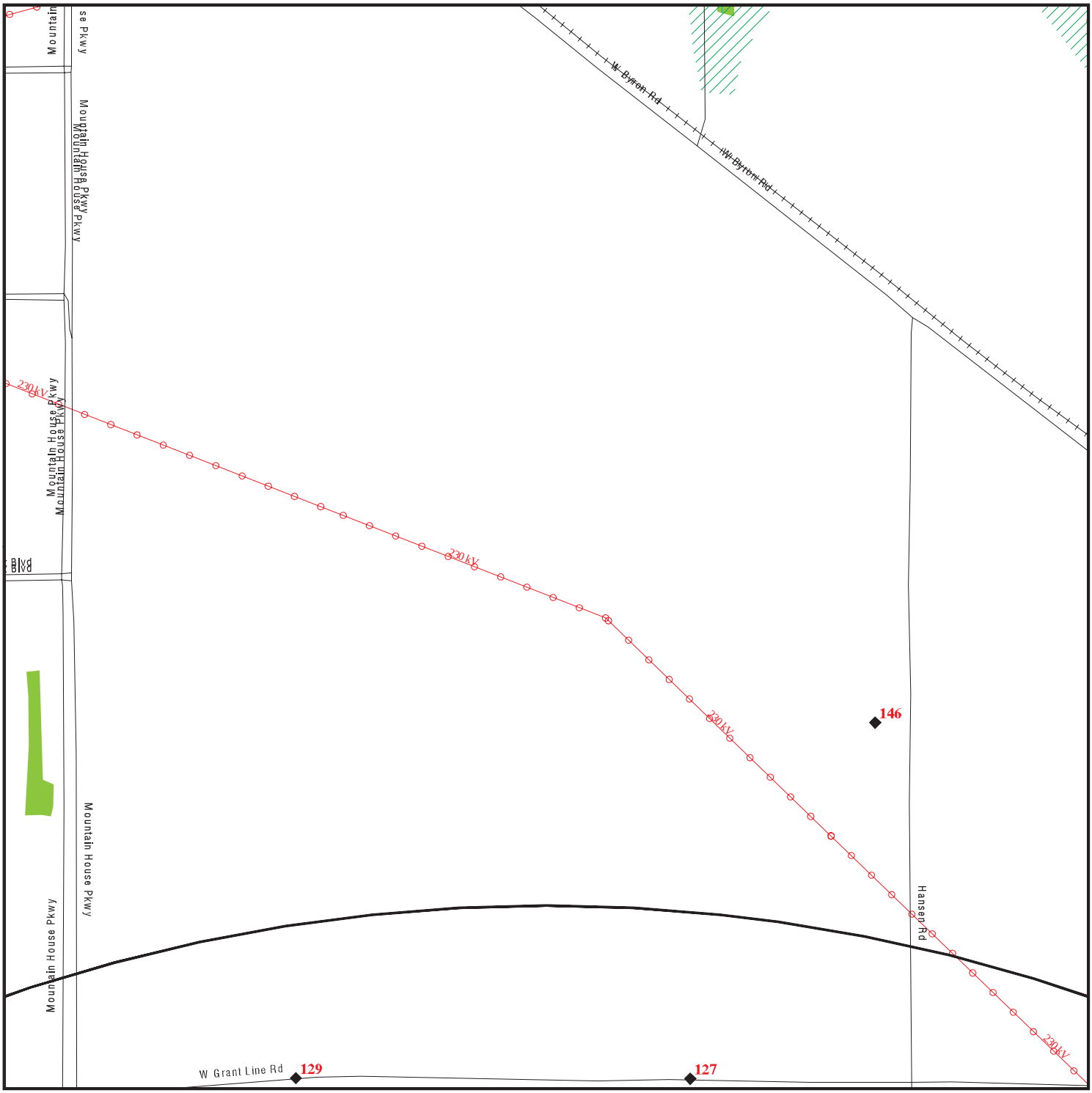
0 1/8 1/4 1/2 Miles

- Target Property
- Sites at elevations higher than or equal to the target property
- Sites at elevations lower than the target property
- Manufactured Gas Plants
- Sensitive Receptors
- National Priority List Sites
- Dept. Defense Sites
- Indian Reservations BIA
- Power transmission lines
- Oil & Gas pipelines from USGS
- 100-year flood zone
- 500-year flood zone
- National Wetland Inventory
- Areas of Concern

SITE NAME:	Cordes Ranch Specific Plan Area	CLIENT:	The Planning Center-LA Office
ADDRESS:	37.7323000, -121.5212000 Tracy CA 95377	CONTACT:	Karl Rodenbaugh
		INQUIRY #:	3524818.1s
LAT/LONG:	37.7323 / -121.5212	DATE:	February 26, 2013 8:54 am

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DETAIL MAP 3 of 25 - 3524818.1s



- Target Property
- Sites at elevations higher than or equal to the target property
- Sites at elevations lower than the target property
- Manufactured Gas Plants
- Sensitive Receptors
- National Priority List Sites
- Dept. Defense Sites
- Indian Reservations BIA
- Power transmission lines
- Oil & Gas pipelines from USGS
- 100-year flood zone
- 500-year flood zone
- National Wetland Inventory
- Areas of Concern

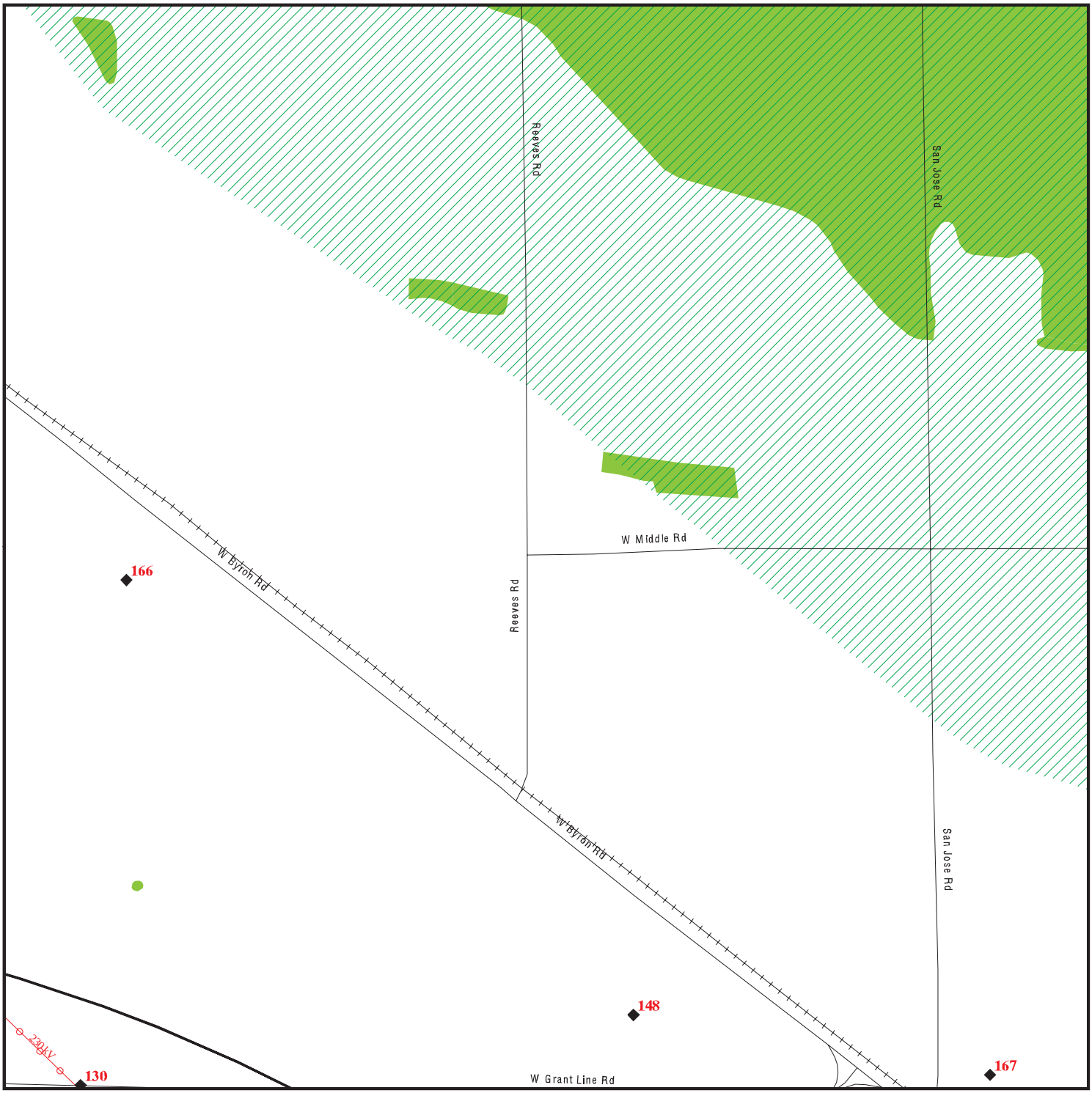
0 1/8 1/4 1/2 Miles

N

SITE NAME:	Cordes Ranch Specific Plan Area	CLIENT:	The Planning Center-LA Office
ADDRESS:	37.7323000, -121.5212000 Tracy CA 95377	CONTACT:	Karl Rodenbaugh
		INQUIRY #:	3524818.1s
LAT/LONG:	37.7323 / -121.5212	DATE:	February 26, 2013 8:55 am

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DETAIL MAP 4 of 25 - 3524818.1s

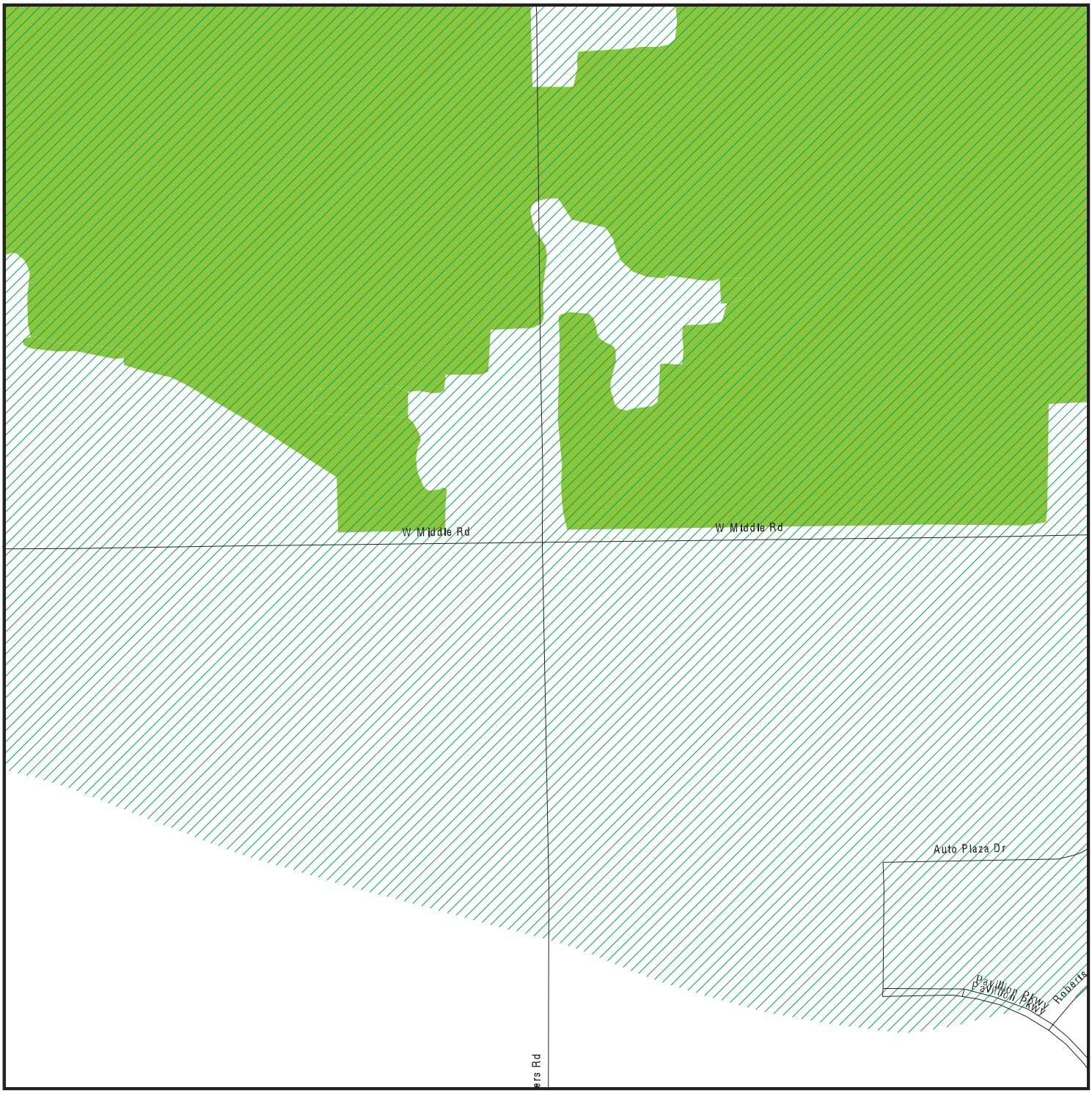


- Target Property
- Sites at elevations higher than or equal to the target property
- Sites at elevations lower than the target property
- Manufactured Gas Plants
- Sensitive Receptors
- National Priority List Sites
- Dept. Defense Sites
- Indian Reservations BIA
- Power transmission lines
- Oil & Gas pipelines from USGS
- 100-year flood zone
- 500-year flood zone
- National Wetland Inventory
- Areas of Concern

SITE NAME:	Cordes Ranch Specific Plan Area	CLIENT:	The Planning Center-LA Office
ADDRESS:	37.7323000, -121.5212000	CONTACT:	Karl Rodenbaugh
	Tracy CA 95377	INQUIRY #:	3524818.1s
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DETAIL MAP 5 of 25 - 3524818.1s



- Target Property
- Sites at elevations higher than or equal to the target property
- Sites at elevations lower than the target property
- Manufactured Gas Plants
- Sensitive Receptors
- National Priority List Sites
- Dept. Defense Sites
- Indian Reservations BIA
- Oil & Gas pipelines from USGS
- 100-year flood zone
- 500-year flood zone
- National Wetland Inventory
- Areas of Concern

N

SITE NAME:	Cordes Ranch Specific Plan Area	CLIENT:	The Planning Center-LA Office
ADDRESS:	37.7323000, -121.5212000 Tracy CA 95377	CONTACT:	Karl Rodenbaugh
		INQUIRY #:	3524818.1s
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DETAIL MAP 6 of 25 - 3524818.1s



- Target Property
- Sites at elevations higher than or equal to the target property
- Sites at elevations lower than the target property
- Manufactured Gas Plants
- Sensitive Receptors
- National Priority List Sites
- Dept. Defense Sites

0 1/8 1/4 1/2 Miles

- Indian Reservations BIA
- County Boundary
- Power transmission lines
- Oil & Gas pipelines from USGS
- 100-year flood zone
- 500-year flood zone
- National Wetland Inventory
- Areas of Concern

N

SITE NAME:	Cordes Ranch Specific Plan Area	CLIENT:	The Planning Center-LA Office
ADDRESS:	37.7323000, -121.5212000 Tracy CA 95377	CONTACT:	Karl Rodenbaugh
		INQUIRY #:	3524818.1s
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DETAIL MAP 7 of 25 - 3524818.1s



- Target Property
- Sites at elevations higher than or equal to the target property
- Sites at elevations lower than the target property
- Manufactured Gas Plants
- Sensitive Receptors
- National Priority List Sites
- Dept. Defense Sites

0 1/8 1/4 1/2 Miles

- Indian Reservations BIA
- Power transmission lines
- Oil & Gas pipelines from USGS
- 100-year flood zone
- 500-year flood zone
- National Wetland Inventory
- Areas of Concern

SITE NAME:	Cordes Ranch Specific Plan Area	CLIENT:	The Planning Center-LA Office
ADDRESS:	37.7323000, -121.5212000 Tracy CA 95377	CONTACT:	Karl Rodenbaugh
LAT/LONG:	37.7323 / -121.5212	INQUIRY #:	3524818.1s
		DATE:	February 26, 2013 9:00 am

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DETAIL MAP 8 of 25 - 3524818.1s



- Target Property
- Sites at elevations higher than or equal to the target property
- Sites at elevations lower than the target property
- Manufactured Gas Plants
- Sensitive Receptors
- National Priority List Sites
- Dept. Defense Sites
- Indian Reservations BIA
- Power transmission lines
- Oil & Gas pipelines from USGS
- 100-year flood zone
- 500-year flood zone
- National Wetland Inventory
- Areas of Concern

SITE NAME:	Cordes Ranch Specific Plan Area	CLIENT:	The Planning Center-LA Office
ADDRESS:	37.7323000, -121.5212000 Tracy CA 95377	CONTACT:	Karl Rodenbaugh
		INQUIRY #:	3524818.1s
LAT/LONG:	37.7323 / -121.5212	DATE:	February 26, 2013 9:01 am

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DETAIL MAP 9 of 25 - 3524818.1s



- Target Property
- Sites at elevations higher than or equal to the target property
- Sites at elevations lower than the target property
- Manufactured Gas Plants
- Sensitive Receptors
- National Priority List Sites
- Dept. Defense Sites

0 1/8 1/4 1/2 Miles

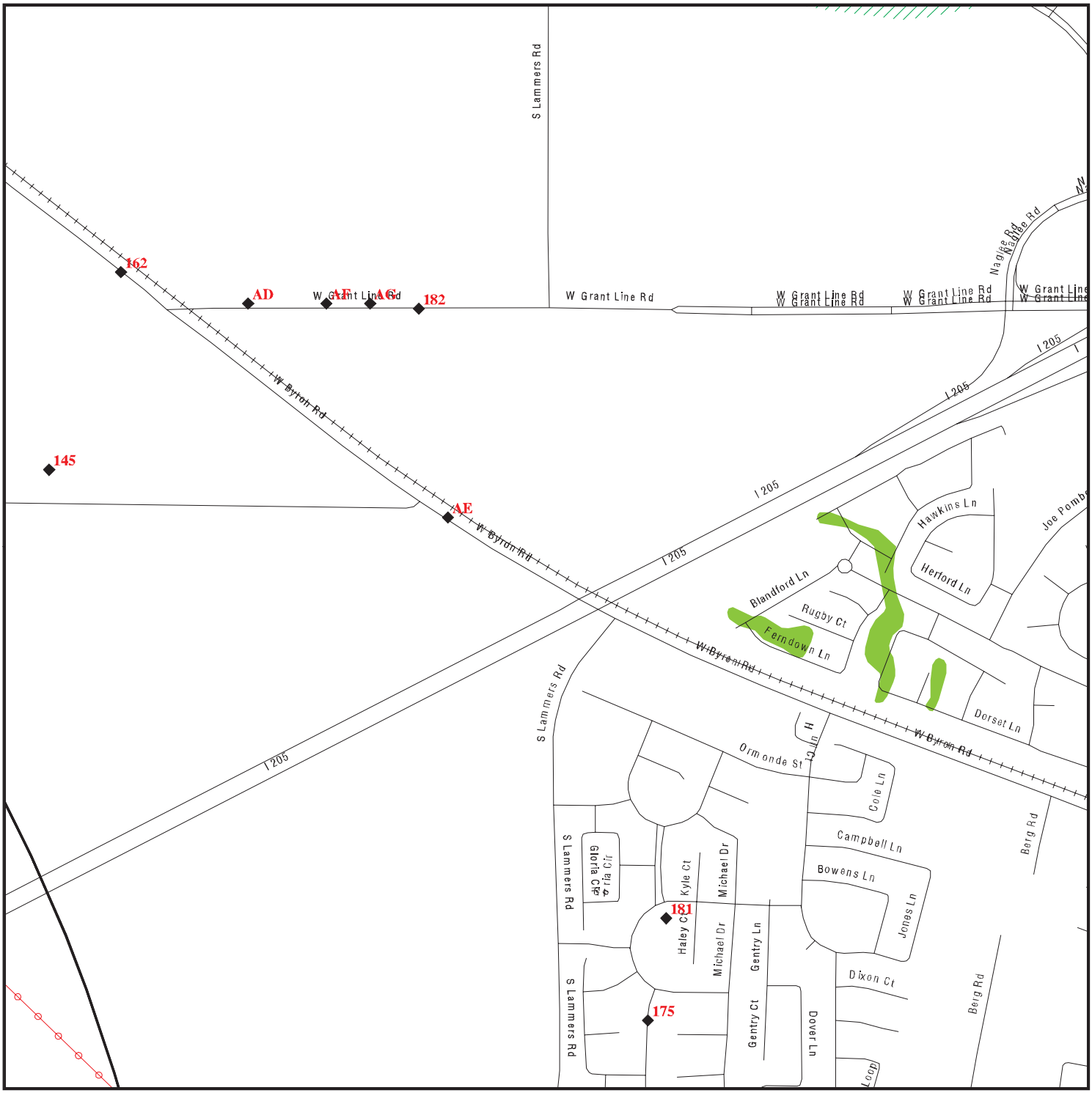
- Indian Reservations BIA
- Power transmission lines
- Oil & Gas pipelines from USGS
- 100-year flood zone
- 500-year flood zone
- National Wetland Inventory
- Areas of Concern

N

SITE NAME: Cordes Ranch Specific Plan Area	CLIENT: The Planning Center-LA Office
ADDRESS: 37.7323000, -121.5212000 Tracy CA 95377	CONTACT: Karl Rodenbaugh
LAT/LONG: 37.7323 / -121.5212	INQUIRY #: 3524818.1s
	DATE: February 26, 2013 9:02 am

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DETAIL MAP 10 of 25 - 3524818.1s



- Target Property
- Sites at elevations higher than or equal to the target property
- Sites at elevations lower than the target property
- Manufactured Gas Plants
- Sensitive Receptors
- National Priority List Sites
- Dept. Defense Sites
- Indian Reservations BIA
- Power transmission lines
- Oil & Gas pipelines from USGS
- 100-year flood zone
- 500-year flood zone
- National Wetland Inventory
- Areas of Concern

SITE NAME:	Cordes Ranch Specific Plan Area	CLIENT:	The Planning Center-LA Office
ADDRESS:	37.7323000, -121.5212000 Tracy CA 95377	CONTACT:	Karl Rodenbaugh
		INQUIRY #:	3524818.1s
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DETAIL MAP 11 of 25 - 3524818.1s



- Target Property
- Sites at elevations higher than or equal to the target property
- Sites at elevations lower than the target property
- Manufactured Gas Plants
- Sensitive Receptors
- National Priority List Sites
- Dept. Defense Sites

0 1/8 1/4 1/2 Miles

- Indian Reservations BIA
- County Boundary
- Oil & Gas pipelines from USGS
- 100-year flood zone
- 500-year flood zone
- National Wetland Inventory
- Areas of Concern

N

SITE NAME: Cordes Ranch Specific Plan Area	CLIENT: The Planning Center-LA Office
ADDRESS: 37.7323000, -121.5212000 Tracy CA 95377	CONTACT: Karl Rodenbaugh
LAT/LONG: 37.7323 / -121.5212	INQUIRY #: 3524818.1s
	DATE: February 26, 2013 9:04 am

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DETAIL MAP 12 of 25 - 3524818.1s



- Target Property
- Sites at elevations higher than or equal to the target property
- Sites at elevations lower than the target property
- Manufactured Gas Plants
- Sensitive Receptors
- National Priority List Sites
- Dept. Defense Sites

0 1/8 1/4 1/2 Miles

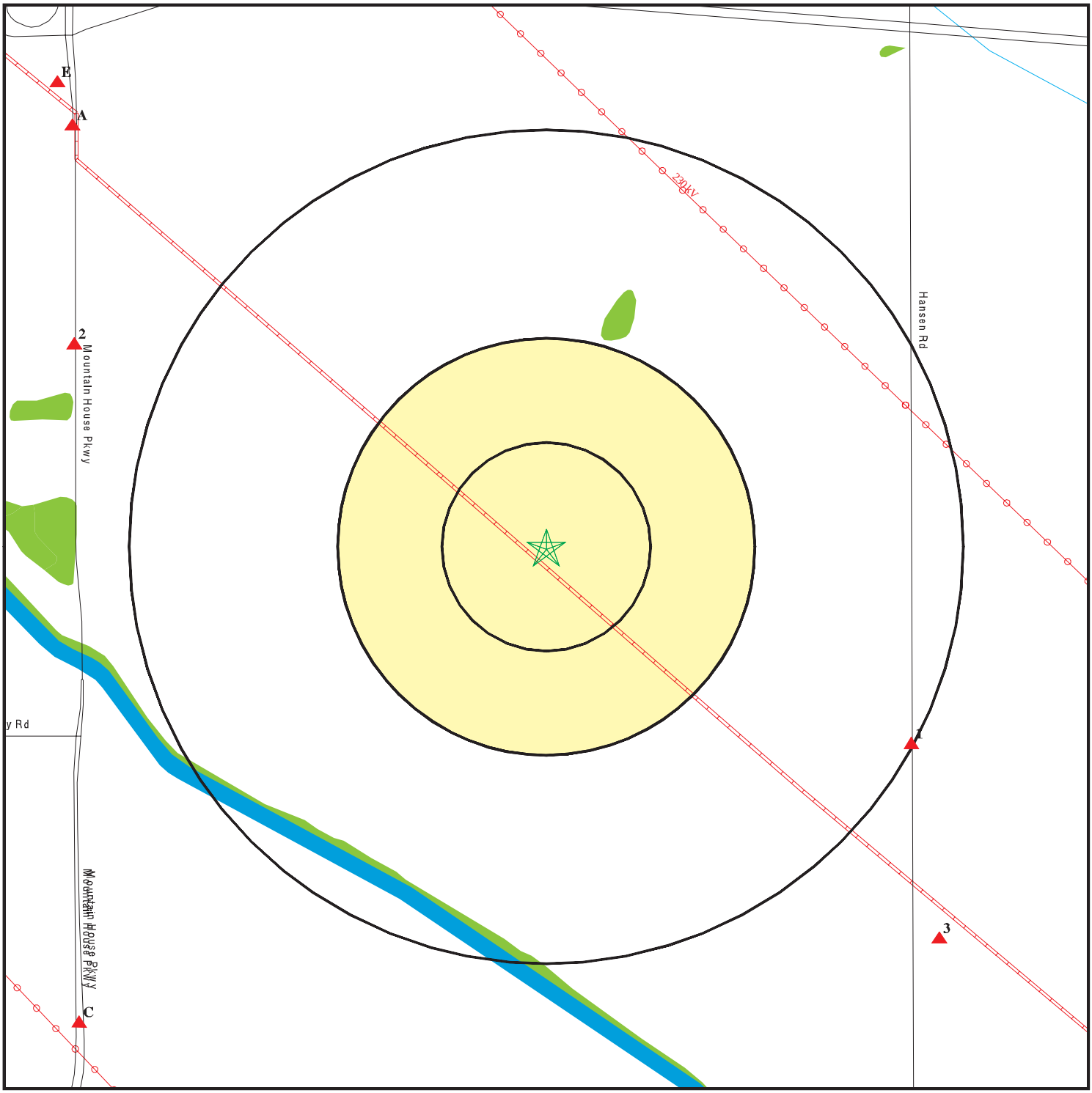
- Indian Reservations BIA
- Power transmission lines
- Oil & Gas pipelines from USGS
- 100-year flood zone
- 500-year flood zone
- National Wetland Inventory
- Areas of Concern

N

SITE NAME:	Cordes Ranch Specific Plan Area	CLIENT:	The Planning Center-LA Office
ADDRESS:	37.7323000, -121.5212000 Tracy CA 95377	CONTACT:	Karl Rodenbaugh
		INQUIRY #:	3524818.1s
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DETAIL MAP 13 of 25 - 3524818.1s



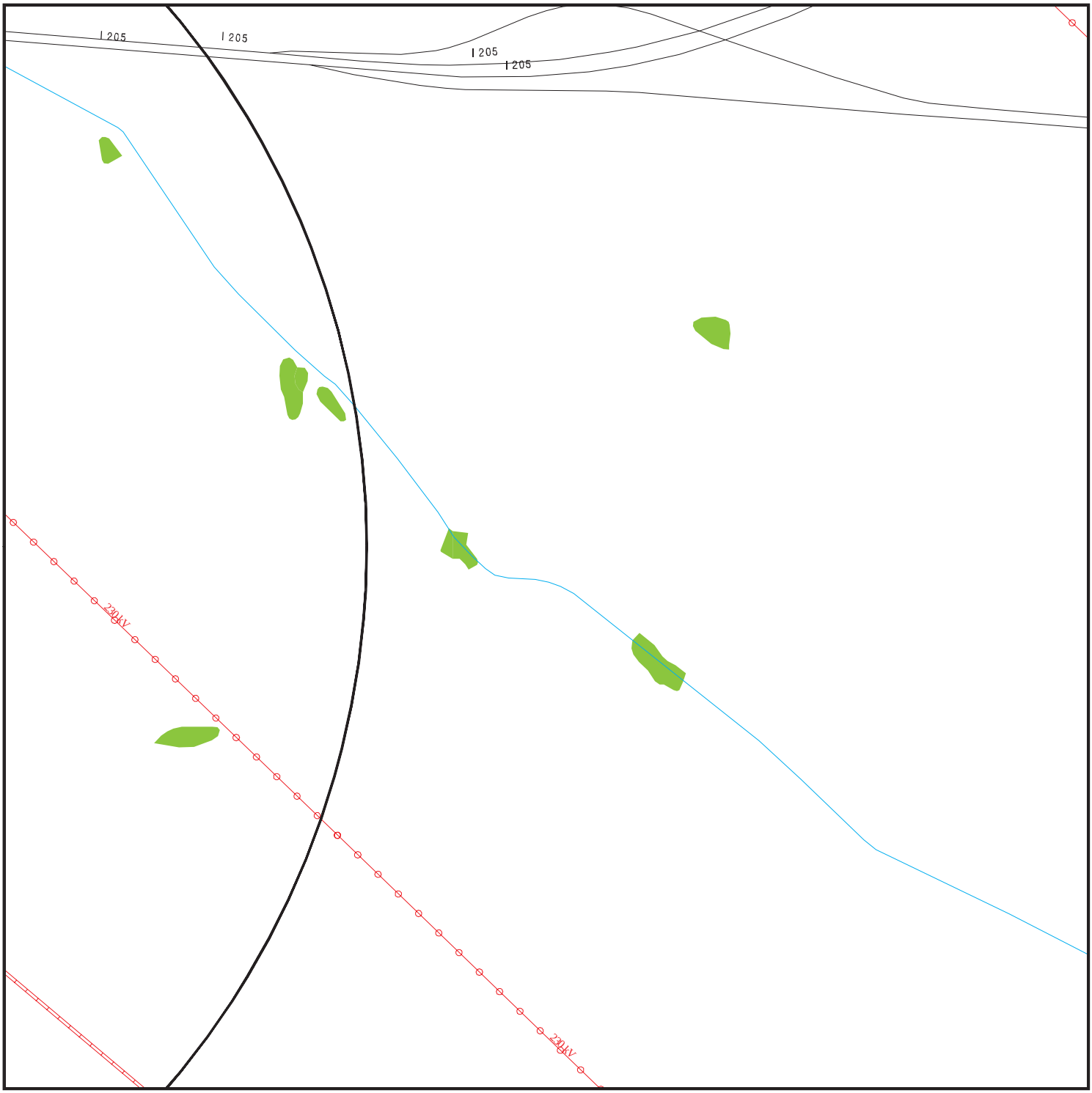
- Target Property
- Sites at elevations higher than or equal to the target property
- Sites at elevations lower than the target property
- Manufactured Gas Plants
- Sensitive Receptors
- National Priority List Sites
- Dept. Defense Sites
- Indian Reservations BIA
- Power transmission lines
- Oil & Gas pipelines from USGS
- 100-year flood zone
- 500-year flood zone
- National Wetland Inventory
- Areas of Concern

N

SITE NAME:	Cordes Ranch Specific Plan Area	CLIENT:	The Planning Center-LA Office
ADDRESS:	37.7323000, -121.5212000 Tracy CA 95377	CONTACT:	Karl Rodenbaugh
		INQUIRY #:	3524818.1s
LAT/LONG:	37.7323 / -121.5212	DATE:	February 26, 2013 9:06 am

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DETAIL MAP 14 of 25 - 3524818.1s



- Target Property
- Sites at elevations higher than or equal to the target property
- Sites at elevations lower than the target property
- Manufactured Gas Plants
- Sensitive Receptors
- National Priority List Sites
- Dept. Defense Sites

0 1/8 1/4 1/2 Miles

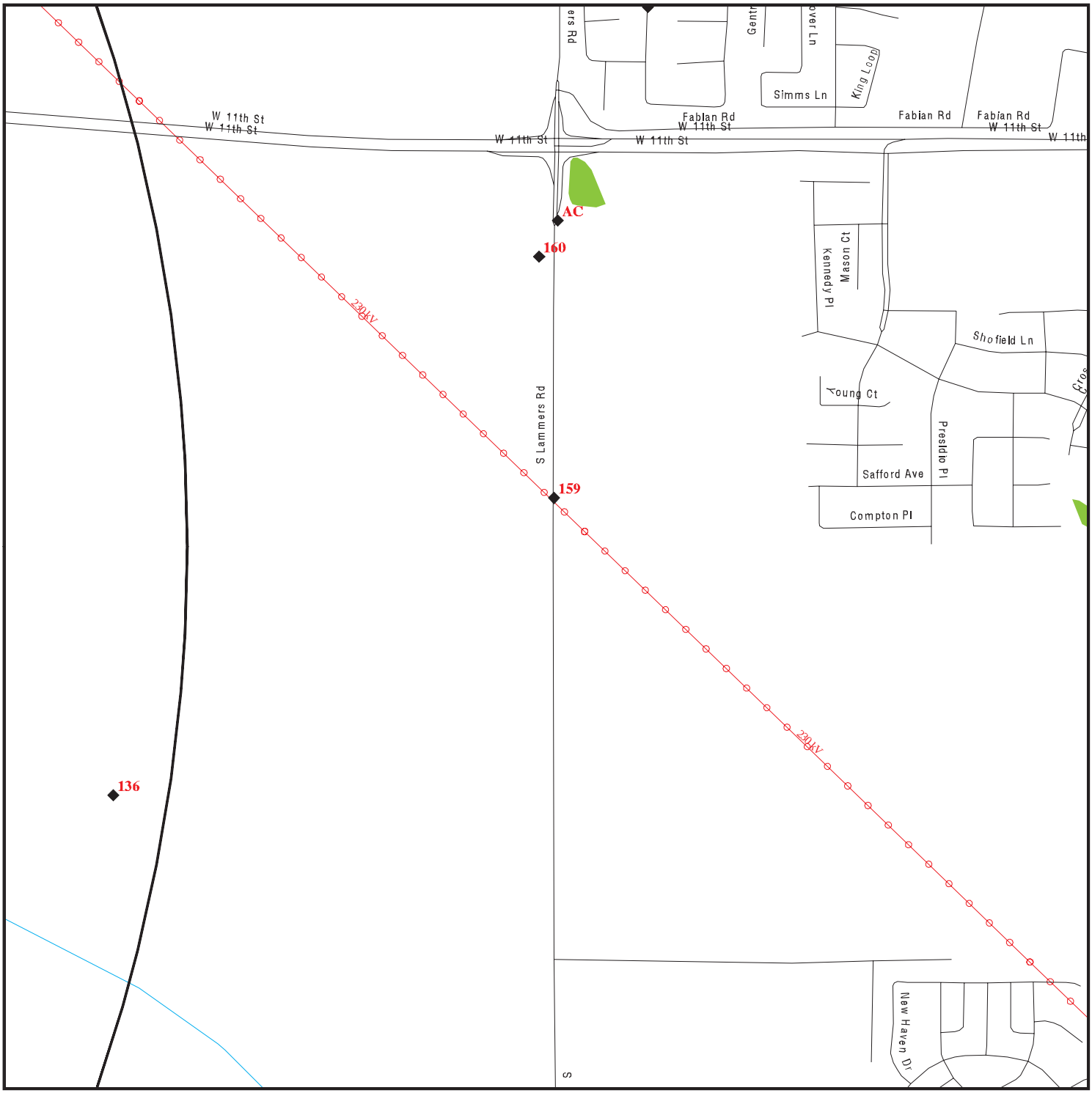
- Indian Reservations BIA
- Power transmission lines
- Oil & Gas pipelines from USGS
- 100-year flood zone
- 500-year flood zone
- National Wetland Inventory
- Areas of Concern

N

SITE NAME: Cordes Ranch Specific Plan Area	CLIENT: The Planning Center-LA Office
ADDRESS: 37.7323000, -121.5212000 Tracy CA 95377	CONTACT: Karl Rodenbaugh
LAT/LONG: 37.7323 / -121.5212	INQUIRY #: 3524818.1s
	DATE: February 26, 2013 9:07 am

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DETAIL MAP 15 of 25 - 3524818.1s

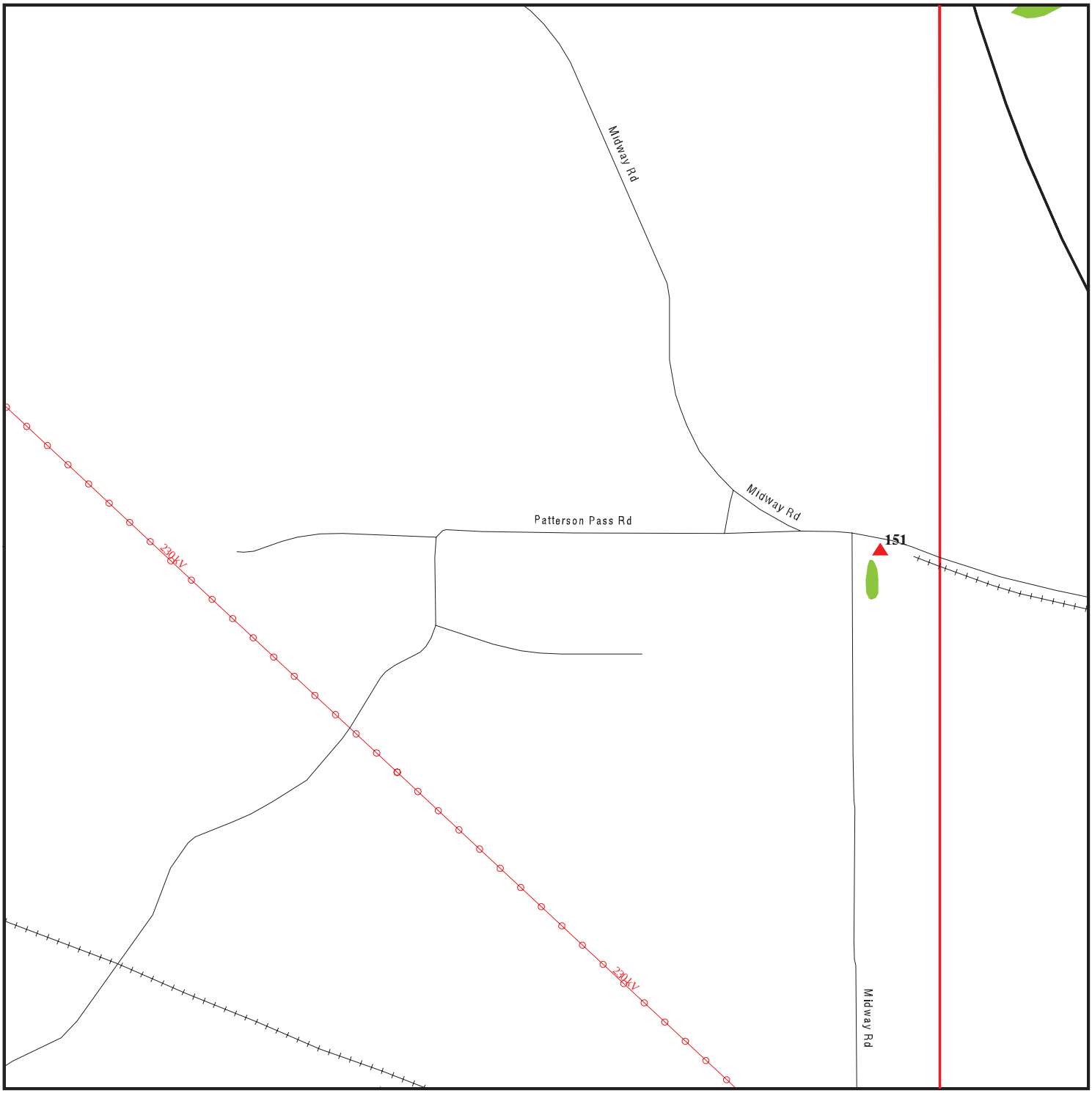


- Target Property
- Sites at elevations higher than or equal to the target property
- Sites at elevations lower than the target property
- Manufactured Gas Plants
- Sensitive Receptors
- National Priority List Sites
- Dept. Defense Sites
- Indian Reservations BIA
- Power transmission lines
- Oil & Gas pipelines from USGS
- 100-year flood zone
- 500-year flood zone
- National Wetland Inventory
- Areas of Concern

SITE NAME:	Cordes Ranch Specific Plan Area	CLIENT:	The Planning Center-LA Office
ADDRESS:	37.7323000, -121.5212000 Tracy CA 95377	CONTACT:	Karl Rodenbaugh
		INQUIRY #:	3524818.1s
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DETAIL MAP 16 of 25 - 3524818.1s



- Target Property
- Sites at elevations higher than or equal to the target property
- Sites at elevations lower than the target property
- Manufactured Gas Plants
- Sensitive Receptors
- National Priority List Sites
- Dept. Defense Sites
- Indian Reservations BIA
- County Boundary
- Power transmission lines
- Oil & Gas pipelines from USGS
- 100-year flood zone
- 500-year flood zone
- National Wetland Inventory
- Areas of Concern

SITE NAME:	Cordes Ranch Specific Plan Area	CLIENT:	The Planning Center-LA Office
ADDRESS:	37.7323000, -121.5212000 Tracy CA 95377	CONTACT:	Karl Rodenbaugh
		INQUIRY #:	3524818.1s
LAT/LONG:	37.7323 / -121.5212	DATE:	February 26, 2013 9:09 am

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DETAIL MAP 17 of 25 - 3524818.1s



- Target Property
- Sites at elevations higher than or equal to the target property
- Sites at elevations lower than the target property
- Manufactured Gas Plants
- Sensitive Receptors
- National Priority List Sites
- Dept. Defense Sites

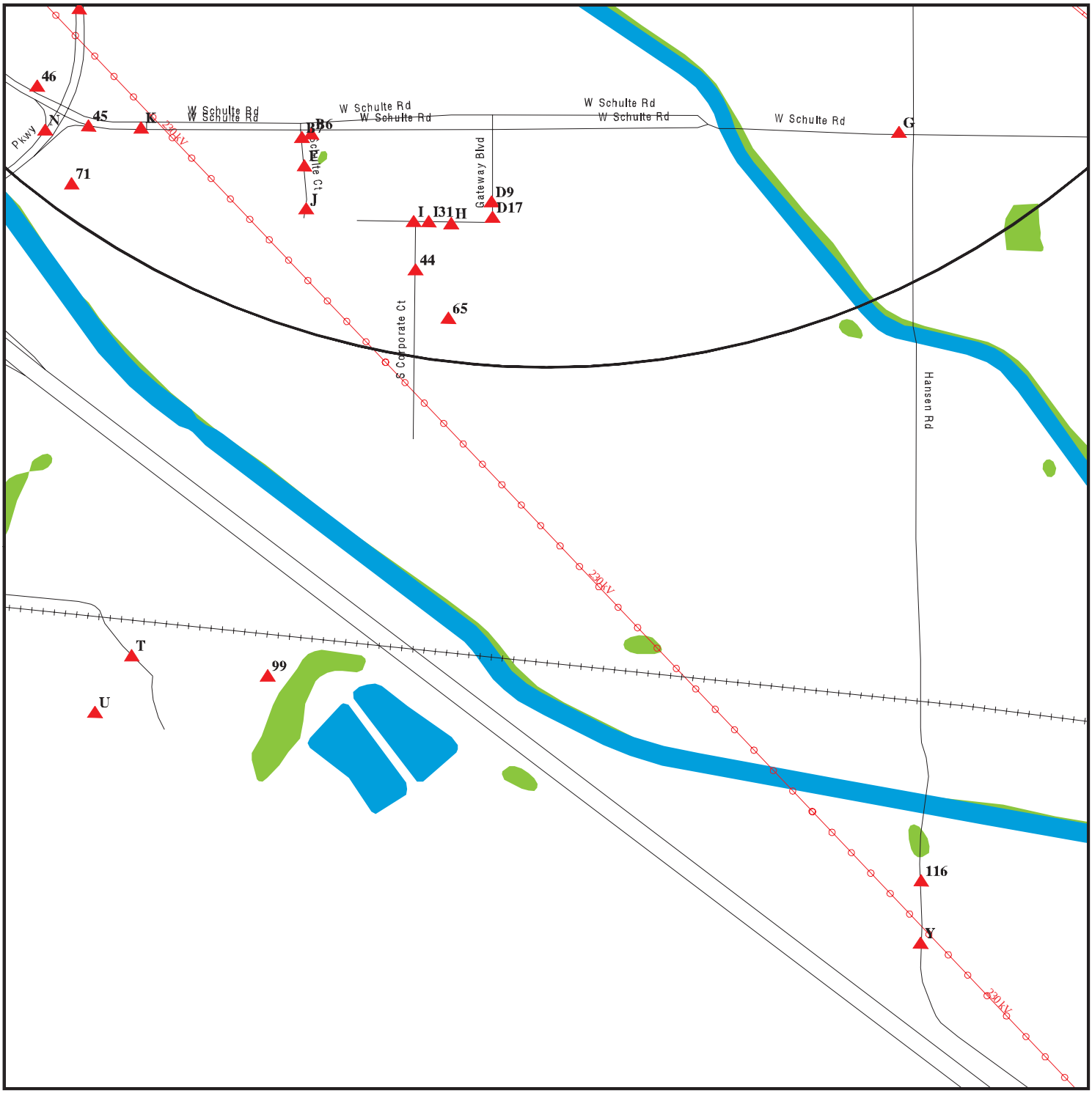
0 1/8 1/4 1/2 Miles

- Indian Reservations BIA
- Power transmission lines
- Oil & Gas pipelines from USGS
- 100-year flood zone
- 500-year flood zone
- National Wetland Inventory
- Areas of Concern

SITE NAME:	Cordes Ranch Specific Plan Area	CLIENT:	The Planning Center-LA Office
ADDRESS:	37.7323000, -121.5212000 Tracy CA 95377	CONTACT:	Karl Rodenbaugh
		INQUIRY #:	3524818.1s
LAT/LONG:	37.7323 / -121.5212	DATE:	February 26, 2013 9:10 am

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DETAIL MAP 18 of 25 - 3524818.1s



- Target Property
- Sites at elevations higher than or equal to the target property
- Sites at elevations lower than the target property
- Manufactured Gas Plants
- Sensitive Receptors
- National Priority List Sites
- Dept. Defense Sites

0 1/8 1/4 1/2 Miles

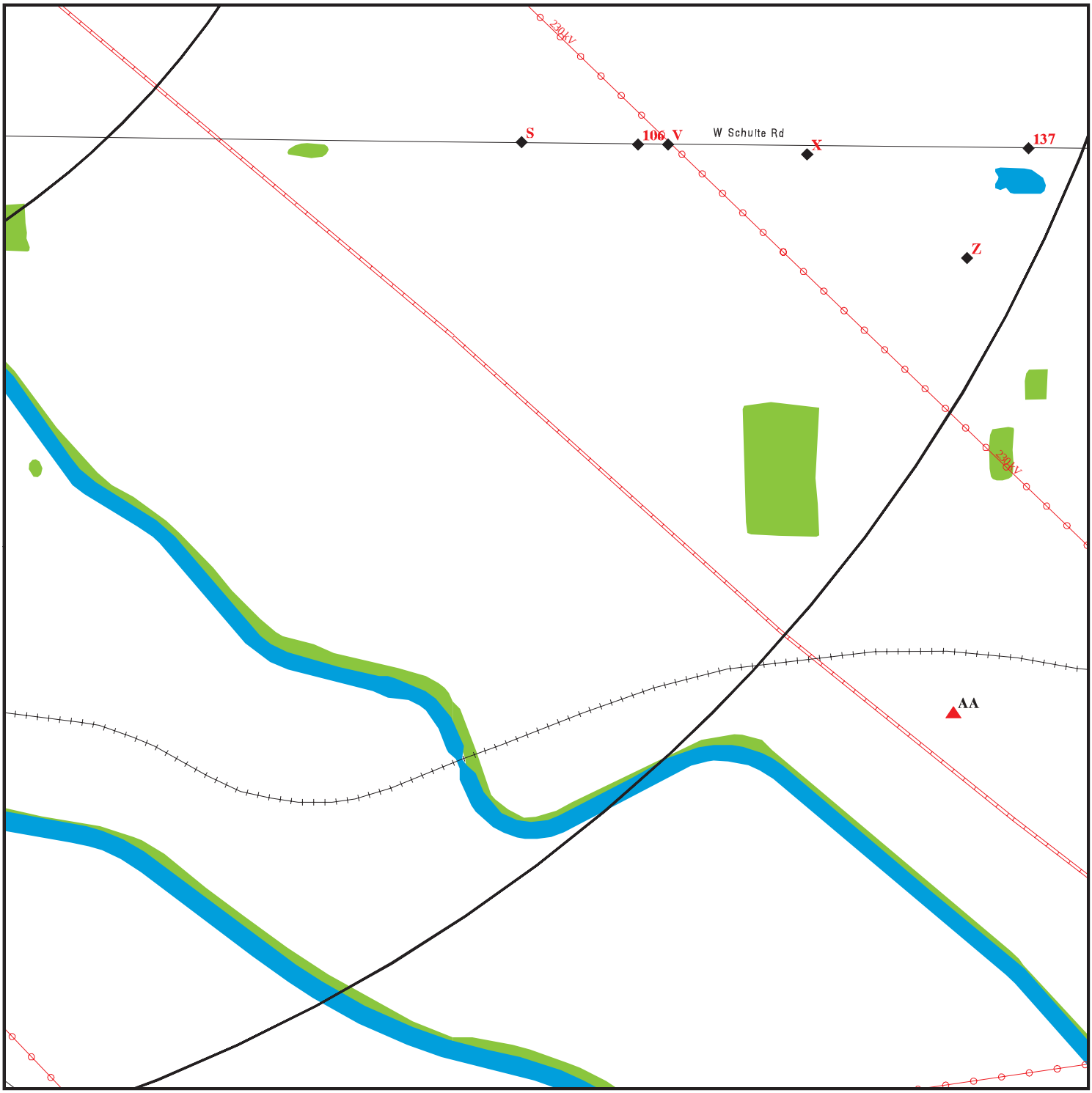
- Indian Reservations BIA
- Power transmission lines
- Oil & Gas pipelines from USGS
- 100-year flood zone
- 500-year flood zone
- National Wetland Inventory
- Areas of Concern

N

SITE NAME:	Cordes Ranch Specific Plan Area	CLIENT:	The Planning Center-LA Office
ADDRESS:	37.7323000, -121.5212000 Tracy CA 95377	CONTACT:	Karl Rodenbaugh
		INQUIRY #:	3524818.1s
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DETAIL MAP 19 of 25 - 3524818.1s

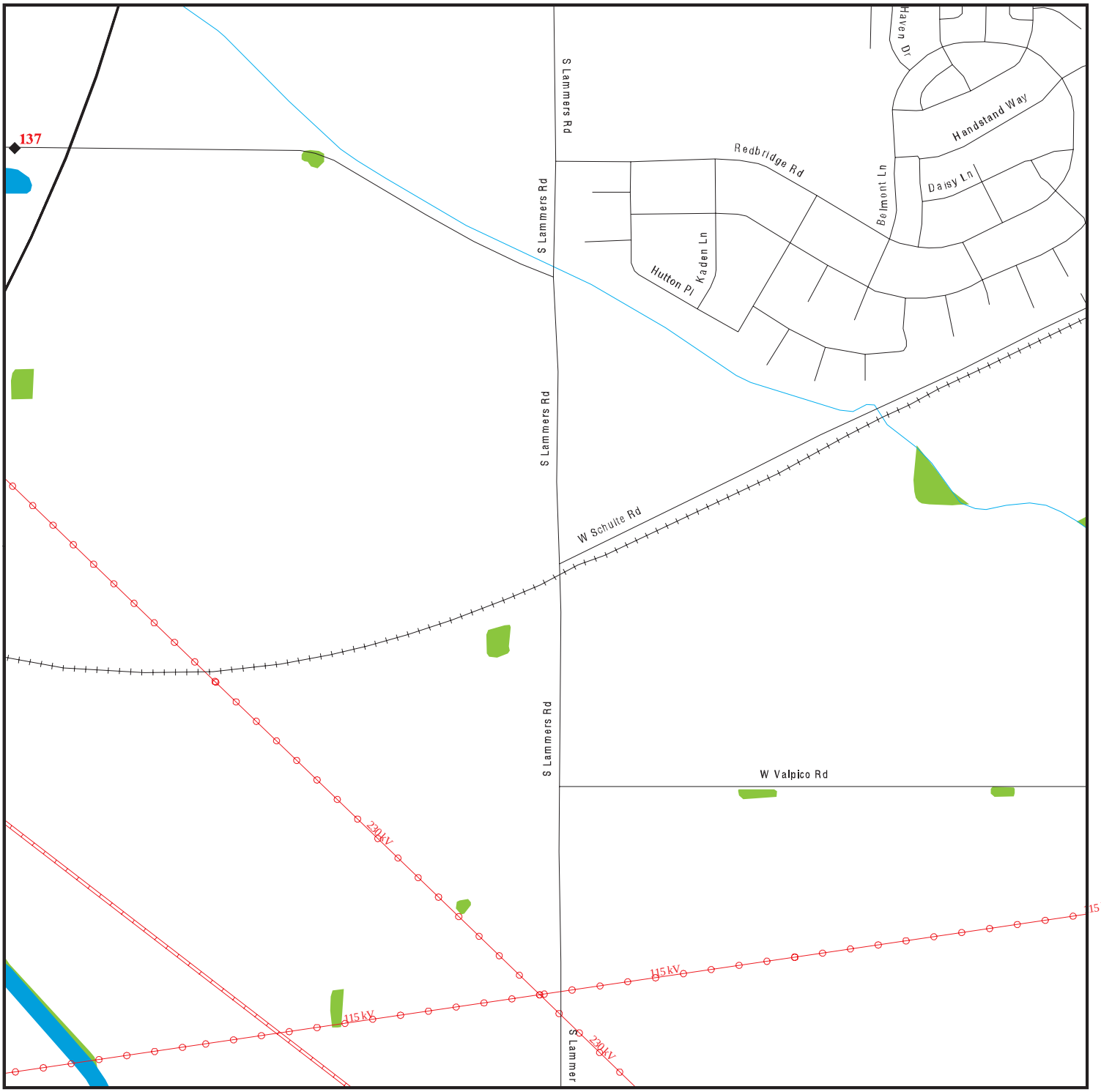


- Target Property
- Sites at elevations higher than or equal to the target property
- Sites at elevations lower than the target property
- Manufactured Gas Plants
- Sensitive Receptors
- National Priority List Sites
- Dept. Defense Sites
- Indian Reservations BIA
- Power transmission lines
- Oil & Gas pipelines from USGS
- 100-year flood zone
- 500-year flood zone
- National Wetland Inventory
- Areas of Concern

SITE NAME:	Cordes Ranch Specific Plan Area	CLIENT:	The Planning Center-LA Office
ADDRESS:	37.7323000, -121.5212000 Tracy CA 95377	CONTACT:	Karl Rodenbaugh
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DETAIL MAP 20 of 25 - 3524818.1s

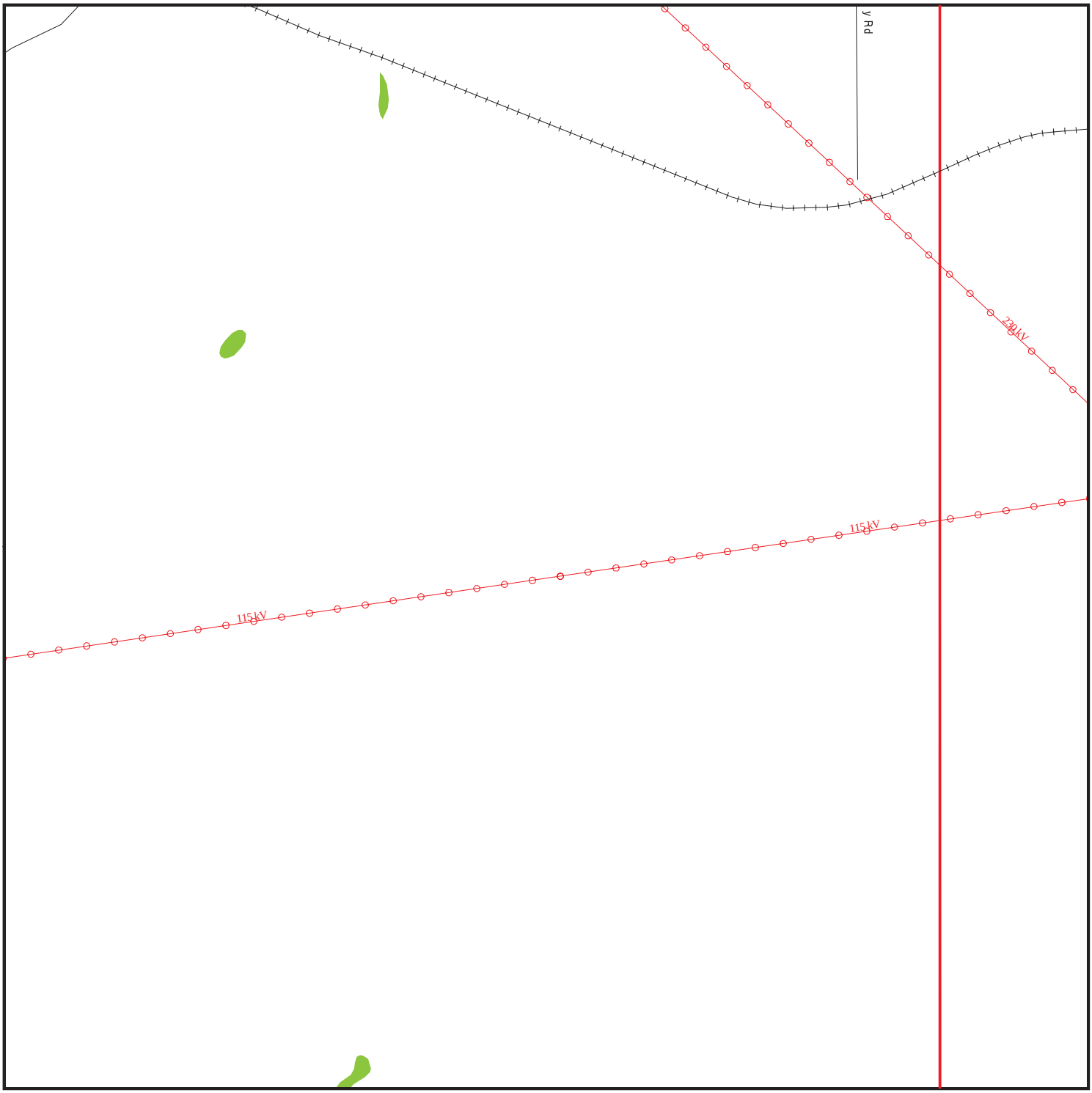


- Target Property
- Sites at elevations higher than or equal to the target property
- Sites at elevations lower than the target property
- Manufactured Gas Plants
- Sensitive Receptors
- National Priority List Sites
- Dept. Defense Sites
- Indian Reservations BIA
- Power transmission lines
- Oil & Gas pipelines from USGS
- 100-year flood zone
- 500-year flood zone
- National Wetland Inventory
- Areas of Concern

SITE NAME:	Cordes Ranch Specific Plan Area	CLIENT:	The Planning Center-LA Office
ADDRESS:	37.7323000, -121.5212000 Tracy CA 95377	CONTACT:	Karl Rodenbaugh
		INQUIRY #:	3524818.1s
LAT/LONG:	37.7323 / -121.5212	DATE:	February 26, 2013 9:13 am

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DETAIL MAP 21 of 25 - 3524818.1s



- Target Property
- Sites at elevations higher than or equal to the target property
- Sites at elevations lower than the target property
- Manufactured Gas Plants
- Sensitive Receptors
- National Priority List Sites
- Dept. Defense Sites

0 1/8 1/4 1/2 Miles

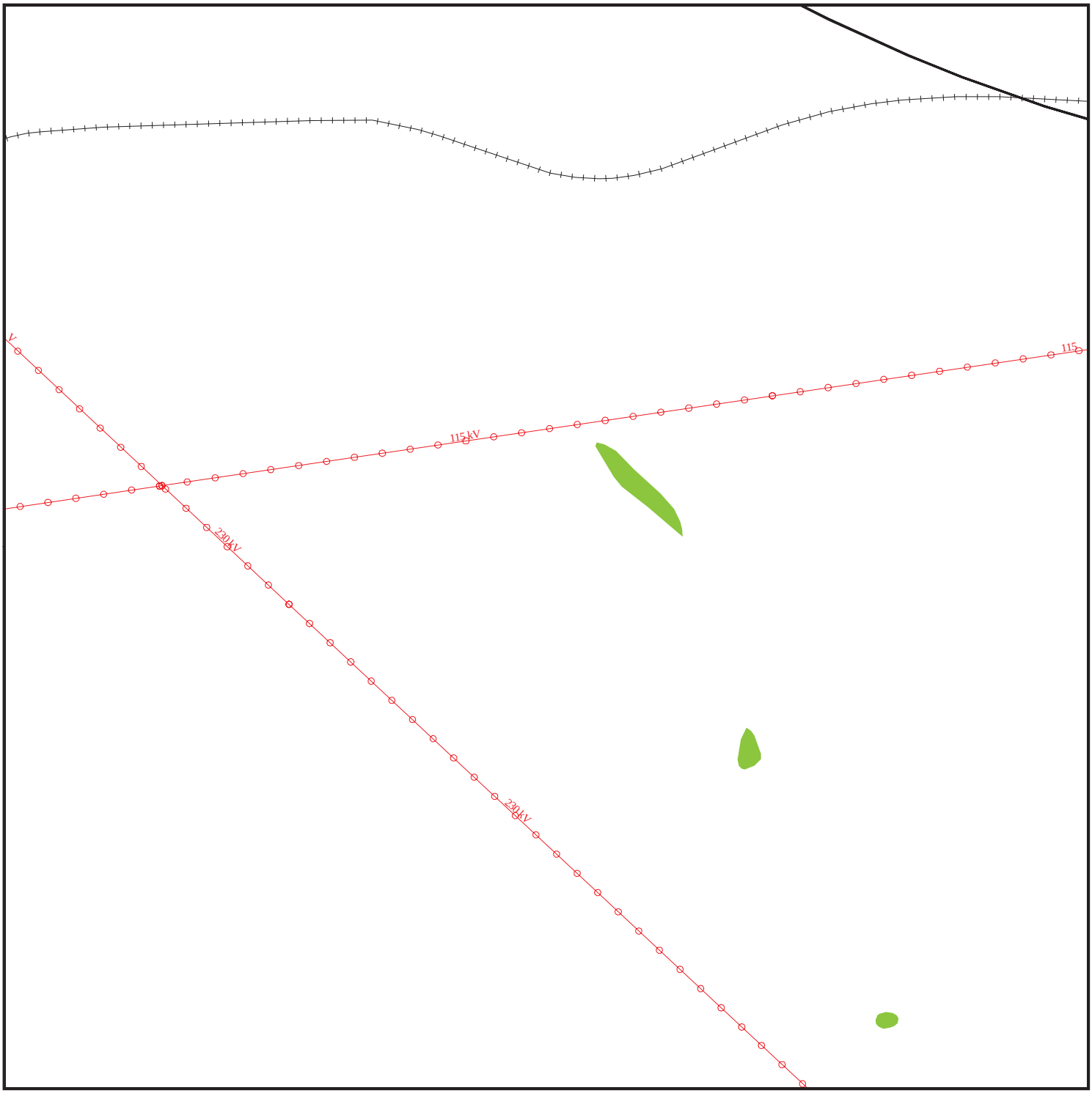
- Indian Reservations BIA
- County Boundary
- Power transmission lines
- Oil & Gas pipelines from USGS
- 100-year flood zone
- 500-year flood zone
- National Wetland Inventory
- Areas of Concern

N

SITE NAME:	Cordes Ranch Specific Plan Area	CLIENT:	The Planning Center-LA Office
ADDRESS:	37.7323000, -121.5212000 Tracy CA 95377	CONTACT:	Karl Rodenbaugh
		INQUIRY #:	3524818.1s
LAT/LONG:	37.7323 / -121.5212	DATE:	February 26, 2013 9:14 am

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DETAIL MAP 22 of 25 - 3524818.1s



- Target Property
- Sites at elevations higher than or equal to the target property
- Sites at elevations lower than the target property
- Manufactured Gas Plants
- Sensitive Receptors
- National Priority List Sites
- Dept. Defense Sites

0 1/8 1/4 1/2 Miles

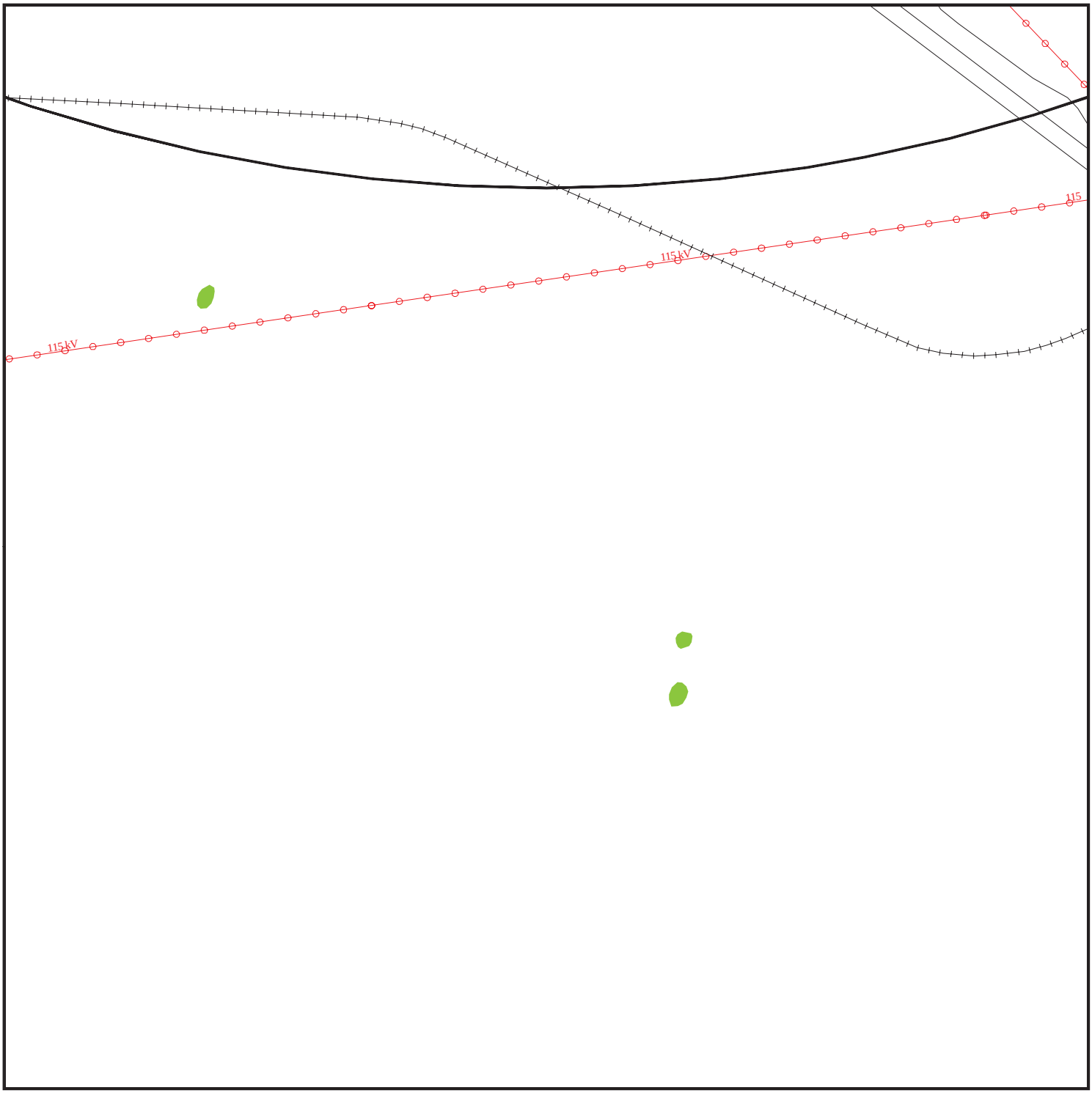
- Indian Reservations BIA
- Power transmission lines
- Oil & Gas pipelines from USGS
- 100-year flood zone
- 500-year flood zone
- National Wetland Inventory
- Areas of Concern

N

SITE NAME:	Cordes Ranch Specific Plan Area	CLIENT:	The Planning Center-LA Office
ADDRESS:	37.7323000, -121.5212000 Tracy CA 95377	CONTACT:	Karl Rodenbaugh
		INQUIRY #:	3524818.1s
LAT/LONG:	37.7323 / -121.5212	DATE:	February 26, 2013 9:16 am

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DETAIL MAP 23 of 25 - 3524818.1s



- Target Property
- Sites at elevations higher than or equal to the target property
- Sites at elevations lower than the target property
- Manufactured Gas Plants
- Sensitive Receptors
- National Priority List Sites
- Dept. Defense Sites

0 1/8 1/4 1/2 Miles

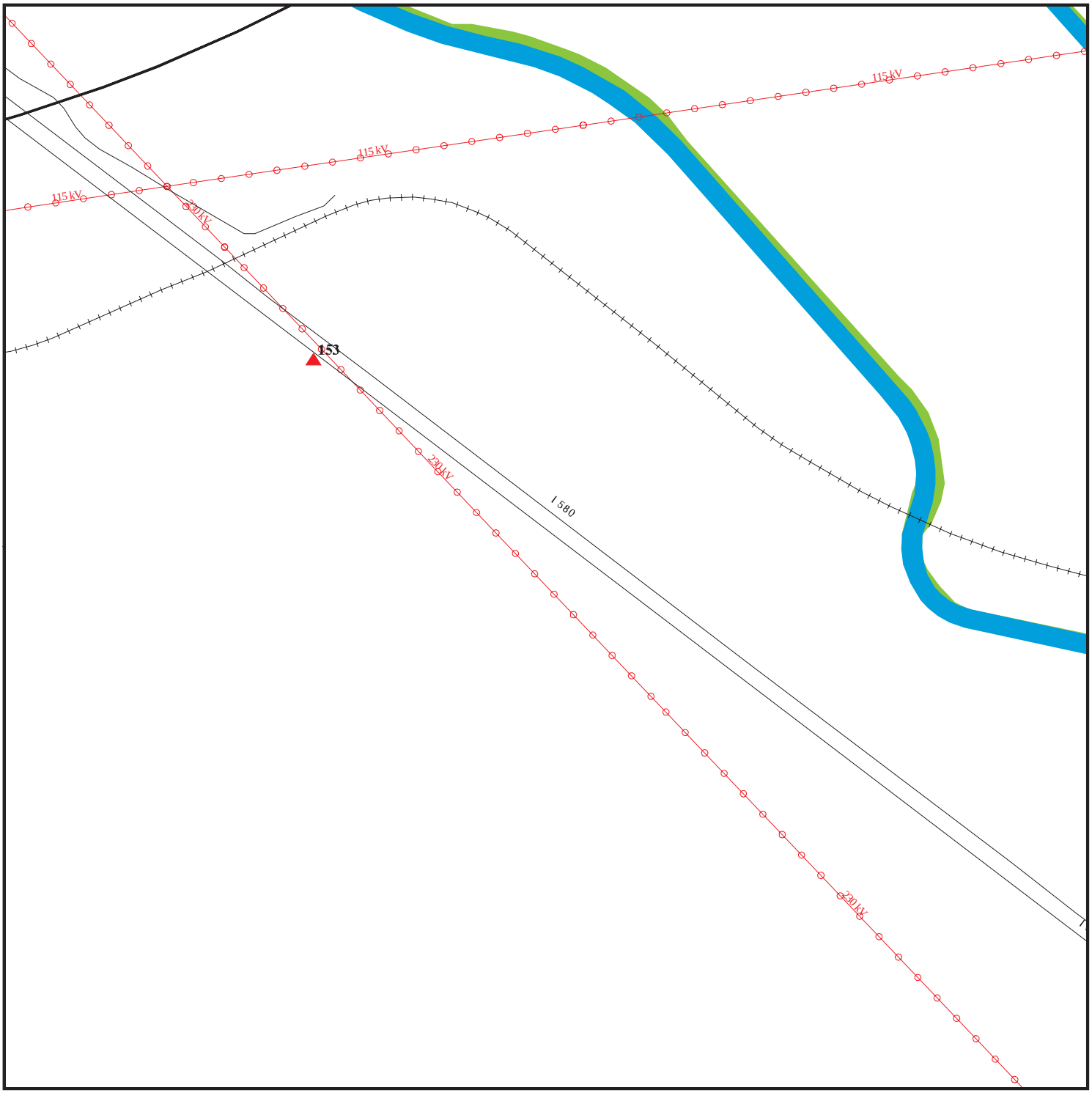
- Indian Reservations BIA
- Power transmission lines
- Oil & Gas pipelines from USGS
- 100-year flood zone
- 500-year flood zone
- National Wetland Inventory
- Areas of Concern

N

SITE NAME:	Cordes Ranch Specific Plan Area	CLIENT:	The Planning Center-LA Office
ADDRESS:	37.7323000, -121.5212000 Tracy CA 95377	CONTACT:	Karl Rodenbaugh
		INQUIRY #:	3524818.1s
LAT/LONG:	37.7323 / -121.5212	DATE:	February 26, 2013 9:17 am

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DETAIL MAP 24 of 25 - 3524818.1s



- Target Property
- Sites at elevations higher than or equal to the target property
- Sites at elevations lower than the target property
- Manufactured Gas Plants
- Sensitive Receptors
- National Priority List Sites
- Dept. Defense Sites

0 1/8 1/4 1/2 Miles

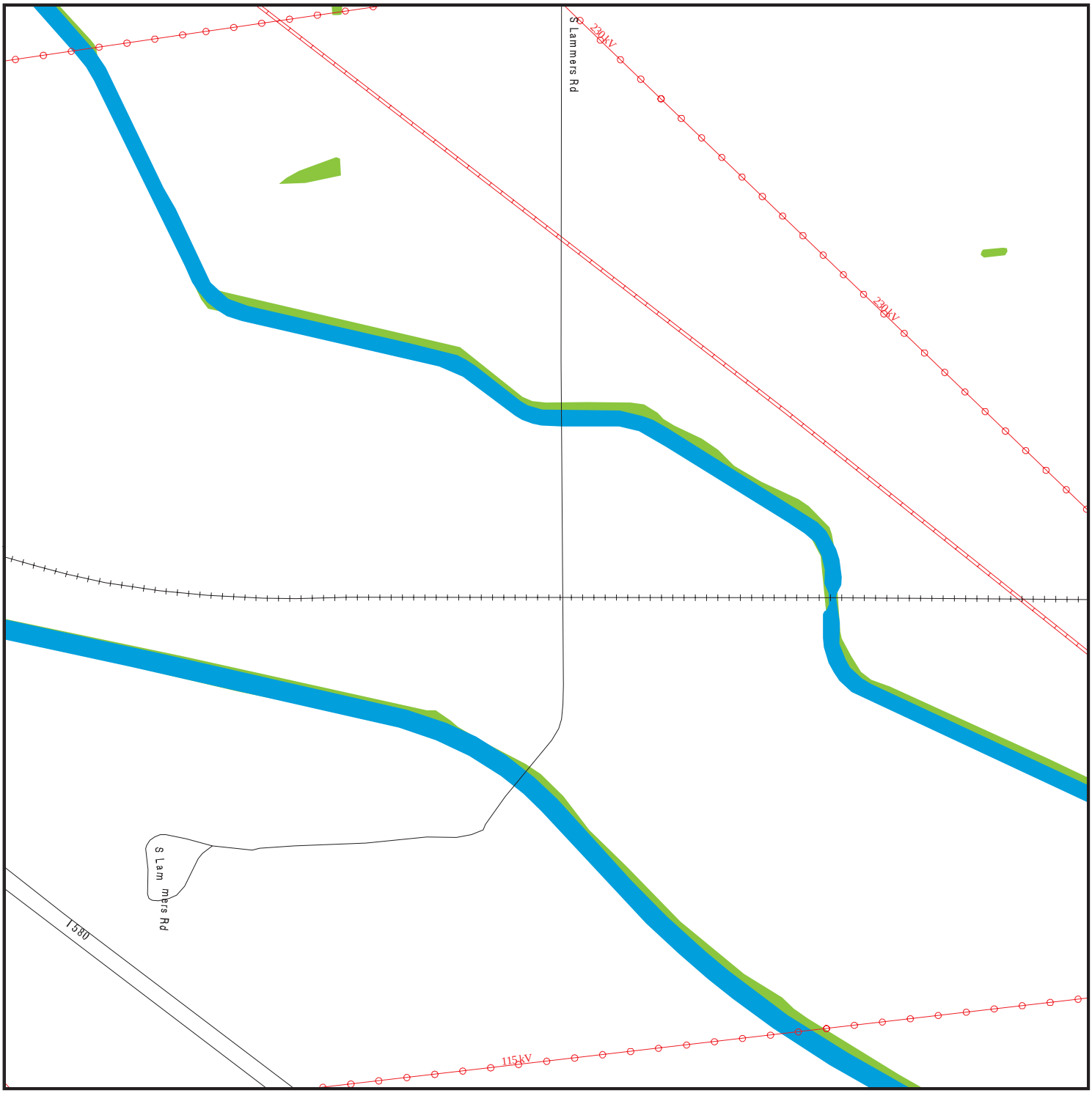
- Indian Reservations BIA
- Power transmission lines
- Oil & Gas pipelines from USGS
- 100-year flood zone
- 500-year flood zone
- National Wetland Inventory
- Areas of Concern

N

SITE NAME:	Cordes Ranch Specific Plan Area	CLIENT:	The Planning Center-LA Office
ADDRESS:	37.7323000, -121.5212000 Tracy CA 95377	CONTACT:	Karl Rodenbaugh
		INQUIRY #:	3524818.1s
LAT/LONG:	37.7323 / -121.5212	DATE:	February 26, 2013 9:18 am

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DETAIL MAP 25 of 25 - 3524818.1s



- Target Property
- Sites at elevations higher than or equal to the target property
- Sites at elevations lower than the target property
- Manufactured Gas Plants
- Sensitive Receptors
- National Priority List Sites
- Dept. Defense Sites

0 1/8 1/4 1/2 Miles

- Indian Reservations BIA
- Power transmission lines
- Oil & Gas pipelines from USGS
- 100-year flood zone
- 500-year flood zone
- National Wetland Inventory
- Areas of Concern

N

SITE NAME:	Cordes Ranch Specific Plan Area	CLIENT:	The Planning Center-LA Office
ADDRESS:	37.7323000, -121.5212000 Tracy CA 95377	CONTACT:	Karl Rodenbaugh
		INQUIRY #:	3524818.1s
LAT/LONG:	37.7323 / -121.5212	DATE:	February 26, 2013 9:19 am

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MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
STANDARD ENVIRONMENTAL RECORDS								
Federal NPL site list								
NPL	2.750		0	0	0	0	0	0
Proposed NPL	2.750		0	0	0	0	0	0
NPL LIENS	2.750		0	0	0	0	0	0
Federal Delisted NPL site list								
Delisted NPL	2.750		0	0	0	0	0	0
Federal CERCLIS list								
CERCLIS	2.750		0	0	0	0	0	0
FEDERAL FACILITY	2.750		0	0	0	0	0	0
Federal CERCLIS NFRAP site List								
CERC-NFRAP	2.750		0	0	0	0	0	0
Federal RCRA CORRACTS facilities list								
CORRACTS	2.750		0	0	0	0	0	0
Federal RCRA non-CORRACTS TSD facilities list								
RCRA-TSDF	2.750		0	0	0	0	0	0
Federal RCRA generators list								
RCRA-LQG	2.750		0	0	0	0	1	1
RCRA-SQG	2.750		0	0	0	6	1	7
RCRA-CESQG	2.750		0	0	0	0	0	0
Federal institutional controls / engineering controls registries								
US ENG CONTROLS	2.750		0	0	0	0	0	0
US INST CONTROL	2.750		0	0	0	0	0	0
LUCIS	2.750		0	0	0	0	0	0
Federal ERNS list								
ERNS	2.750		0	0	0	2	5	7
State- and tribal - equivalent NPL								
RESPONSE	2.750		0	0	0	0	0	0
State- and tribal - equivalent CERCLIS								
ENVIROSTOR	2.750		0	0	0	0	3	3
State and tribal landfill and/or solid waste disposal site lists								
SWF/LF	2.750		0	0	0	0	0	0
State and tribal leaking storage tank lists								
LUST	2.750		0	0	0	0	5	5

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
SLIC	2.750		0	0	0	2	6	8
INDIAN LUST	2.750		0	0	0	0	0	0
State and tribal registered storage tank lists								
UST	2.750		0	0	0	4	9	13
AST	2.750		0	0	0	1	1	2
INDIAN UST	2.750		0	0	0	0	0	0
FEMA UST	2.750		0	0	0	0	0	0
State and tribal voluntary cleanup sites								
VCP	2.750		0	0	0	0	2	2
INDIAN VCP	2.750		0	0	0	0	0	0
ADDITIONAL ENVIRONMENTAL RECORDS								
Local Brownfield lists								
US BROWNFIELDS	2.750		0	0	0	0	0	0
Local Lists of Landfill / Solid Waste Disposal Sites								
ODI	2.750		0	0	0	0	0	0
DEBRIS REGION 9	2.750		0	0	0	0	0	0
WMUDS/SWAT	2.750		0	0	0	0	1	1
SWRCY	2.750		0	0	0	0	0	0
HAULERS	2.750		0	0	0	0	0	0
INDIAN ODI	2.750		0	0	0	0	0	0
Local Lists of Hazardous waste / Contaminated Sites								
US CDL	2.750		0	0	0	0	0	0
HIST Cal-Sites	2.750		0	0	0	0	0	0
SCH	2.750		0	0	0	0	1	1
Toxic Pits	2.750		0	0	0	0	0	0
CDL	2.750		0	0	0	0	3	3
US HIST CDL	2.750		0	0	0	0	0	0
Local Lists of Registered Storage Tanks								
CA FID UST	2.750		0	0	0	3	9	12
HIST UST	2.750		0	0	0	1	9	10
SWEEPS UST	2.750		0	0	0	3	9	12
Local Land Records								
LIENS 2	2.750		0	0	0	0	0	0
LIENS	2.750		0	0	0	0	0	0
DEED	2.750		0	0	0	0	0	0
Records of Emergency Release Reports								
HMIRS	2.750		0	0	0	1	0	1
CHMIRS	2.750		0	0	0	9	3	12
LDS	2.750		0	0	0	0	1	1

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
MCS	2.750		0	0	0	0	0	0
Other Ascertainable Records								
RCRA NonGen / NLR	2.750		0	0	0	1	1	2
DOT OPS	2.750		0	0	0	0	0	0
DOD	2.750		0	0	0	0	0	0
FUDS	2.750		0	0	0	0	0	0
CONSENT	2.750		0	0	0	0	0	0
ROD	2.750		0	0	0	0	0	0
UMTRA	2.750		0	0	0	0	0	0
US MINES	2.750		0	0	0	0	0	0
TRIS	2.750		0	0	0	0	1	1
TSCA	2.750		0	0	0	0	0	0
FTTS	2.750		0	0	0	0	0	0
HIST FTTS	2.750		0	0	0	0	0	0
SSTS	2.750		0	0	0	0	0	0
ICIS	2.750		0	0	0	0	0	0
PADS	2.750		0	0	0	0	0	0
MLTS	2.750		0	0	0	0	0	0
RADINFO	2.750		0	0	0	0	0	0
FINDS	2.750		0	0	0	10	13	23
RAATS	2.750		0	0	0	0	0	0
RMP	2.750		0	0	0	2	0	2
CA BOND EXP. PLAN	2.750		0	0	0	0	0	0
UIC	2.750		0	0	0	1	13	14
NPDES	2.750		0	0	0	4	4	8
Cortese	2.750		0	0	0	0	0	0
HIST CORTESE	2.750		0	0	0	0	6	6
CUPA Listings	2.750		0	0	0	0	0	0
Notify 65	2.750		0	0	0	0	0	0
DRYCLEANERS	2.750		0	0	0	0	0	0
WIP	2.750		0	0	0	0	0	0
ENF	2.750		0	0	0	0	2	2
HAZNET	2.750		0	0	1	27	25	53
EMI	2.750		0	0	0	6	12	18
INDIAN RESERV	2.750		0	0	0	0	0	0
SCRD DRYCLEANERS	2.750		0	0	0	0	0	0
COAL ASH DOE	2.750		0	0	0	0	0	0
COAL ASH EPA	2.750		0	0	0	0	0	0
HWT	2.750		0	0	0	0	1	1
HWP	2.750		0	0	0	0	0	0
Financial Assurance	2.750		0	0	0	0	0	0
2020 COR ACTION	2.750		0	0	0	0	0	0
US AIRS	2.750		0	0	0	0	4	4
PRP	2.750		0	0	0	0	0	0
WDS	2.750		0	0	0	3	3	6
EPA WATCH LIST	2.750		0	0	0	0	0	0
US FIN ASSUR	2.750		0	0	0	0	0	0
PCB TRANSFORMER	2.750		0	0	0	0	0	0
PROC	2.750		0	0	0	0	0	0
MWMP	2.750		0	0	0	0	0	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
EDR HIGH RISK HISTORICAL RECORDS								
EDR Exclusive Records								
EDR MGP	2.750		0	0	0	0	0	0
EDR US Hist Auto Stat	2.750		0	0	0	0	2	2
EDR US Hist Cleaners	2.750		0	0	0	0	1	1

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

1
ESE
1/4-1/2
0.497 mi.
2623 ft.

SM ALEGRE FARMS — **HAZNET** — **S111858575**
24915 HANSEN RD — **N/A**
TRACY, CA 95377

Relative:
Higher

Actual:
155 ft.

HAZNET:

Year:	2011
Gepaid:	CAL000363352
Contact:	STEPHEN ALEGRE
Telephone:	2093216819
Mailing Name:	Not reported
Mailing Address:	21763 S LAMMERS RD
Mailing City,St,Zip:	TRACY, CA 95304
Gen County:	Not reported
TSD EPA ID:	NVT330010000
TSD County:	Not reported
Waste Category:	Other organic solids
Disposal Method:	Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Tons:	0.015
Facility County:	San Joaquin

Year:	2011
Gepaid:	CAL000363352
Contact:	STEPHEN ALEGRE
Telephone:	2093216819
Mailing Name:	Not reported
Mailing Address:	21763 S LAMMERS RD
Mailing City,St,Zip:	TRACY, CA 95304
Gen County:	Not reported
TSD EPA ID:	NVT330010000
TSD County:	Not reported
Waste Category:	Latex waste
Disposal Method:	Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Tons:	0.025
Facility County:	San Joaquin

2
WNW
1/2-1
0.616 mi.
3254 ft.

VERIZON WIRELESS - PATTERSON PASS — **EMI** — **S109283022**
24371 MOUNTAIN HOUSE ROAD — **N/A**
TRACY, CA 92001

Relative:
Higher

Actual:
180 ft.

EMI:

Year:	2006
County Code:	39
Air Basin:	SJV
Facility ID:	6167
Air District Name:	SJU
SIC Code:	4812
Air District Name:	SAN JOAQUIN VALLEY UNIFIED APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	.0005709453948840337
Reactive Organic Gases Tons/Yr:	.000477710011899471
Carbon Monoxide Emissions Tons/Yr:	.0042203301051259
NOX - Oxides of Nitrogen Tons/Yr:	.00685544017076492
SOX - Oxides of Sulphur Tons/Yr:	.0000071020001769065

VERIZON WIRELESS - PATTERSON PASS (Continued) **S109283022**

Particulate Matter Tons/Yr:	.0001269979539831157
Part. Matter 10 Micrometers & Smllr Tons/Yr:	.000123950003087521
Year:	2007
County Code:	39
Air Basin:	SJV
Facility ID:	6167
Air District Name:	SJU
SIC Code:	4812
Air District Name:	SAN JOAQUIN VALLEY UNIFIED APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	.0007158121093885012
Reactive Organic Gases Tons/Yr:	.000598919991925359
Carbon Monoxide Emissions Tons/Yr:	.00529115992866457
NOX - Oxides of Nitrogen Tons/Yr:	.0085948798841238
SOX - Oxides of Sulphur Tons/Yr:	.0000089039998799562
Particulate Matter Tons/Yr:	.0001592213093287879
Part. Matter 10 Micrometers & Smllr Tons/Yr:	.000155399997904897
Year:	2007
County Code:	39
Air Basin:	SJV
Facility ID:	6167
Air District Name:	SJU
SIC Code:	4812
Air District Name:	SAN JOAQUIN VALLEY UNIFIED APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	.0011941279886058682
Reactive Organic Gases Tons/Yr:	.00099912688806653
Carbon Monoxide Emissions Tons/Yr:	.00882678859457374
NOX - Oxides of Nitrogen Tons/Yr:	.0143381014287472
SOX - Oxides of Sulphur Tons/Yr:	.000014853779822588
Particulate Matter Tons/Yr:	.0002656152632209610
Part. Matter 10 Micrometers & Smllr Tons/Yr:	.000259240496903658

---

3 **RICHARD S. RHEEM, OPERATOR** **UIC** **S111646991**
SE **N/A**
1/2-1 **SAN JOAQUIN (County), CA**
0.664 mi.
3507 ft.

Relative:
Higher

Actual:
163 ft.

UIC:

API Number:	07700337
Confidential Well:	N
Well Number:	1
Lease Name:	Weaver-Cordes
Well Located On A BLW Lease:	N
Field Name:	Any Field
Area Name:	Any Area
Section:	26
Township:	02S
Range:	04E
Base And Meridian; Part Of The PLSS:	MD
Elevation:	Not reported
Location Desc:	Not reported
Latitude:	37.72551

RICHARD S. RHEEM, OPERATOR (Continued) **S111646991**

Longitude: -121.5126
GIS Source Code: hud
Comments: Status Code 006

A4 **P G & E COMPANY** **UST** **U003940993**
NW **24081 PATTERSON PASS RD** **N/A**
1/2-1 **TRACY, CA 95377**
0.761 mi.
4018 ft. **Site 1 of 2 in cluster A**

Relative:
Higher

Actual:
166 ft.

UST:
Facility ID: FA0003948
Latitude: 37.73898
Longitude: -121.53149

A5 **PG&E (TRACY MAINTENANCE STATION)** **UST** **U004024502**
NW **24081 S MOUNTAIN HOUSE PKWY** **N/A**
1/2-1 **TRACY, CA 95377**
0.761 mi.
4018 ft. **Site 2 of 2 in cluster A**

Relative:
Higher

Actual:
166 ft.

UST SAN JOAQUIN:
Region: SJ
Facility Id: FA0003948
Mail Address: PO BOX 106
Mail Care of: ROBERTS, RALPH
Mail City,St,Zip: HOLT, CA 95234

Tank Rec ID: TA0170701
Tank Number: 1
Tank Status: CLOSED
Tank Capacity: 50
Product Code/Type: 1A/REGULAR UNLEADED
Program Element: 2380

Tank Rec ID: TA0170702
Tank Number: 2
Tank Status: CLOSED
Tank Capacity: 1000
Product Code/Type: 1A/REGULAR UNLEADED
Program Element: 2380

Tank Rec ID: TA0170703
Tank Number: 3
Tank Status: CLOSED
Tank Capacity: 3000
Product Code/Type: 1A/REGULAR UNLEADED
Program Element: 2362

Tank Rec ID: TA0170704
Tank Number: 4
Tank Status: CLOSED
Tank Capacity: 3000

PG&E (TRACY MAINTENANCE STATION) (Continued) **U004024502**

Product Code/Type: 03/DIESEL
Program Element: 2360

B6 **BARBOSA CABINETS INC** **HAZNET** **S104581269**
SSW **25520 SCHULTE CT** **N/A**
1/2-1 **TRACY, CA 95376**
0.773 mi.
4079 ft. **Site 1 of 2 in cluster B**

Relative:
Higher

Actual:
212 ft.

HAZNET:

Year:	2005
Gepaid:	CAL000182045
Contact:	PAUL BISCHOFBERGER SAFETY &
Telephone:	2098362501
Mailing Name:	Not reported
Mailing Address:	25520 SCHULTE CT
Mailing City,St,Zip:	TRACY, CA 953770000
Gen County:	San Joaquin
TSD EPA ID:	CA0000084517
TSD County:	Sacramento
Waste Category:	Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)
Disposal Method:	Not reported
Tons:	0.4
Facility County:	Not reported

Year:	2004
Gepaid:	CAL000182045
Contact:	PAUL BISCHOFBERGER SAFETY &
Telephone:	2098362501
Mailing Name:	Not reported
Mailing Address:	25520 SCHULTE CT
Mailing City,St,Zip:	TRACY, CA 953770000
Gen County:	San Joaquin
TSD EPA ID:	CA0000084517
TSD County:	Sacramento
Waste Category:	Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)
Disposal Method:	Not reported
Tons:	0.4
Facility County:	Not reported

Year:	2003
Gepaid:	CAL000182045
Contact:	PAUL BISCHOFBERGER SAFETY &
Telephone:	2098362501
Mailing Name:	Not reported
Mailing Address:	25520 SCHULTE CT
Mailing City,St,Zip:	TRACY, CA 953770000
Gen County:	San Joaquin
TSD EPA ID:	CA0000084517
TSD County:	San Joaquin
Waste Category:	Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)
Disposal Method:	Transfer Station
Tons:	2.41
Facility County:	San Joaquin

Year:	2002
Gepaid:	CAL000182045
Contact:	PAUL BISCHOFBERGER SAFETY &

BARBOSA CABINETS INC (Continued) **S104581269**

Telephone:	2098362501
Mailing Name:	Not reported
Mailing Address:	25520 SCHULTE CT
Mailing City,St,Zip:	TRACY, CA 953770000
Gen County:	San Joaquin
TSD EPA ID:	Not reported
TSD County:	Sacramento
Waste Category:	Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)
Disposal Method:	Transfer Station
Tons:	2.34
Facility County:	Not reported

Year:	2001
Gepaid:	CAL000182045
Contact:	PAUL BISCHOFBERGER SAFETY &
Telephone:	2098362501
Mailing Name:	Not reported
Mailing Address:	25520 SCHULTE CT
Mailing City,St,Zip:	TRACY, CA 953770000
Gen County:	San Joaquin
TSD EPA ID:	Not reported
TSD County:	Sacramento
Waste Category:	Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)
Disposal Method:	Transfer Station
Tons:	1
Facility County:	Not reported

Click this hyperlink while viewing on your computer to access
3 additional CA_HAZNET: record(s) in the EDR Site Report.

B7 **CLUB RESOURCE GROUP** **EMI** **S110502016**
SSW **25520 SCHULTE COURT** **N/A**
1/2-1 **TRACY, CA**
0.781 mi.
4122 ft. **Site 2 of 2 in cluster B**

Relative:
Higher

Actual:
213 ft.

EMI:

Year:	2007
County Code:	39
Air Basin:	SJV
Facility ID:	7650
Air District Name:	SJU
SIC Code:	2499
Air District Name:	SAN JOAQUIN VALLEY UNIFIED APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	.0881066679759141139
Reactive Organic Gases Tons/Yr:	.0666464749542236
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	.4739995250702125
Part. Matter 10 Micrometers & Smllr Tons/Yr:	.189599810028085

C8 **TRACY IFST** **CA FID UST** **S101593241**
SW **SCHULTE/PATTERSON PASS** **N/A**
1/2-1 **TRACY, CA 95376**
0.798 mi.
4215 ft. **Site 1 of 2 in cluster C**

Relative: **Higher**

Actual: **224 ft.**

CA FID UST:

Facility ID:	39003550
Regulated By:	UTNKI
Regulated ID:	Not reported
Cortese Code:	Not reported
SIC Code:	Not reported
Facility Phone:	Not reported
Mail To:	Not reported
Mailing Address:	21615 HESPERIAN BLVD
Mailing Address 2:	Not reported
Mailing City,St,Zip:	TRACY 95376
Contact:	Not reported
Contact Phone:	Not reported
DUNs Number:	Not reported
NPDES Number:	Not reported
EPA ID:	Not reported
Comments:	Not reported
Status:	Inactive

D9 **R EMMETT PACKAGING** **HAZNET** **S108753500**
South **25653 GATEWAY BLVD** **N/A**
1/2-1 **TRACY, CA 95377**
0.803 mi.
4242 ft. **Site 1 of 2 in cluster D**

Relative: **Higher**

Actual: **213 ft.**

HAZNET:

Year:	2006
Gepaid:	CAL000310125
Contact:	BUD CARROLL
Telephone:	2092297230
Mailing Name:	Not reported
Mailing Address:	25653 GATEWAY BLVD
Mailing City,St,Zip:	TRACY, CA 953778645
Gen County:	San Joaquin
TSD EPA ID:	CAD028409019
TSD County:	Los Angeles
Waste Category:	Unspecified solvent mixture
Disposal Method:	Transfer Station
Tons:	0.45
Facility County:	San Joaquin

C10 **TRI-STATE MOTOR TRANSIT COMPANY** **SLIC** **S106230458**
SW **25501 PATTERSON PASS RD S** **N/A**
1/2-1 **TRACY, CA**
0.805 mi.
4250 ft. **Site 2 of 2 in cluster C**

Relative: **Higher**

Actual: **224 ft.**

SLIC REG 5:

Region:	5
Facility Status:	Preliminary Assessment
Unit:	Facility is a Spill or site
Pollutant:	TPH - o & g, solvents

TRI-STATE MOTOR TRANSIT COMPANY (Continued) **S106230458**

Lead Agency: Not reported
Date Filed: 10/21/91
Report Date: / /
Date Added: Not reported
Date Closed: Not reported

E11 **PACIFIC GAS & ELECTRIC CO** **SWEEPS UST** **S106930409**
NW **24081 S PATTERSON PASS** **N/A**
1/2-1 **TRACY, CA 95376**
0.809 mi.
4274 ft. **Site 1 of 4 in cluster E**

Relative:
Higher

Actual:
164 ft.

SWEEPS UST:
Status: Active
Comp Number: 1707
Number: 1
Board Of Equalization: 44-024839
Referral Date: 01-22-91
Action Date: 08-30-91
Created Date: 07-15-88
Tank Status: A
Owner Tank Id: Not reported
Swrcb Tank Id: 39-000-001707-000003
Actv Date: 10-24-88
Capacity: 3000
Tank Use: M.V. FUEL
Stg: P
Content: REG UNLEADED
Number Of Tanks: 2

Status: Active
Comp Number: 1707
Number: 1
Board Of Equalization: 44-024839
Referral Date: 01-22-91
Action Date: 08-30-91
Created Date: 07-15-88
Tank Status: A
Owner Tank Id: Not reported
Swrcb Tank Id: 39-000-001707-000004
Actv Date: 10-24-88
Capacity: 3000
Tank Use: M.V. FUEL
Stg: P
Content: DIESEL
Number Of Tanks: Not reported

Status: Not reported
Comp Number: 1707
Number: Not reported
Board Of Equalization: 44-024839
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Tank Status: Not reported
Owner Tank Id: Not reported
Swrcb Tank Id: 39-000-001707-000001
Actv Date: Not reported

PACIFIC GAS & ELECTRIC CO (Continued) **S106930409**

Capacity:	50
Tank Use:	CHEMICAL
Stg:	PRODUCT
Content:	HYDROCARBON
Number Of Tanks:	2
Status:	Not reported
Comp Number:	1707
Number:	Not reported
Board Of Equalization:	44-024839
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Tank Status:	Not reported
Owner Tank Id:	Not reported
Swrcb Tank Id:	39-000-001707-000002
Actv Date:	Not reported
Capacity:	1000
Tank Use:	M.V. FUEL
Stg:	PRODUCT
Content:	REG UNLEADED
Number Of Tanks:	Not reported

E12
NW
1/2-1
0.809 mi.
4274 ft.

PACIFIC GAS & ELECTRIC/TRACY DISTRICTY **HAZNET** **S103645197**
24081 PATTERSON PASS RD (WAS) **N/A**
TRACY, CA 95376

Site 2 of 4 in cluster E

Relative:
Higher

Actual:
164 ft.

HAZNET:

Year:	2003
Gepaid:	CAD981163298
Contact:	DAVID J GERMANN
Telephone:	9259744083
Mailing Name:	ATTN: CENT AREA ENV CONSULT
Mailing Address:	375 N WIGET LN #200
Mailing City,St,Zip:	WALNUT CREEK, CA 945982412
Gen County:	San Joaquin
TSD EPA ID:	CAD009466392
TSD County:	San Joaquin
Waste Category:	Other empty containers 30 gallons or more
Disposal Method:	Recycler
Tons:	6
Facility County:	San Joaquin
Year:	2003
Gepaid:	CAD981163298
Contact:	DAVID J GERMANN
Telephone:	9259744083
Mailing Name:	ATTN: CENT AREA ENV CONSULT
Mailing Address:	375 N WIGET LN #200
Mailing City,St,Zip:	WALNUT CREEK, CA 945982412
Gen County:	San Joaquin
TSD EPA ID:	CAT000646117
TSD County:	San Joaquin
Waste Category:	Contaminated soil from site clean-up
Disposal Method:	Disposal, Land Fill
Tons:	0.3

PACIFIC GAS & ELECTRIC/TRACY DISTRICTY (Continued) **S103645197**

Facility County: San Joaquin

Year: 2003
Gepaid: CAD981163298
Contact: DAVID J GERMANN
Telephone: 9259744083
Mailing Name: ATTN: CENT AREA ENV CONSULT
Mailing Address: 375 N WIGET LN #200
Mailing City,St,Zip: WALNUT CREEK, CA 945982412
Gen County: San Joaquin
TSD EPA ID: CAD009452657
TSD County: San Joaquin
Waste Category: Hydrocarbon solvents (benzene, hexane, Stoddard, Etc.)
Disposal Method: Recycler
Tons: 3.12
Facility County: San Joaquin

Year: 2003
Gepaid: CAD981163298
Contact: DAVID J GERMANN
Telephone: 9259744083
Mailing Name: ATTN: CENT AREA ENV CONSULT
Mailing Address: 375 N WIGET LN #200
Mailing City,St,Zip: WALNUT CREEK, CA 945982412
Gen County: San Joaquin
TSD EPA ID: CAD009452657
TSD County: San Joaquin
Waste Category: Unspecified organic liquid mixture
Disposal Method: Recycler
Tons: 0.04
Facility County: San Joaquin

Year: 2003
Gepaid: CAD981163298
Contact: DAVID J GERMANN
Telephone: 9259744083
Mailing Name: ATTN: CENT AREA ENV CONSULT
Mailing Address: 375 N WIGET LN #200
Mailing City,St,Zip: WALNUT CREEK, CA 945982412
Gen County: San Joaquin
TSD EPA ID: CAD044429835
TSD County: San Joaquin
Waste Category: Other organic solids
Disposal Method: Disposal, Other
Tons: 0.1
Facility County: San Joaquin

Click this hyperlink while viewing on your computer to access
41 additional CA_HAZNET: record(s) in the EDR Site Report.

E13
NW
1/2-1
0.809 mi.
4274 ft.

TRACY MAINTENANCE STATION
24081 PATTERSON PASS RD
TRACY, CA 95376

Site 3 of 4 in cluster E

RCRA-SQG
FINDS
HAZNET

1000200011
CAD981163298

Relative:
Higher

Actual:
164 ft.

RCRA-SQG:

Date form received by agency:	02/19/2004
Facility name:	TRACY MAINTENANCE STATION
Facility address:	24081 S MOUNTAIN HOUSE PKWY TRACY, CA 95376
EPA ID:	CAD981163298
Mailing address:	4801 OAKPORT ST BLDG 2 OAKLAND, CA 94601
Contact:	LARRY DENISTON
Contact address:	Not reported Not reported
Contact country:	Not reported
Contact telephone:	(510) 437-2581
Contact email:	Not reported
EPA Region:	Not reported
Classification:	Small Small Quantity Generator
Description:	Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name:	PACIFIC GAS AND ELECTRIC COMPANY
Owner/operator address:	Not reported Not reported
Owner/operator country:	US
Owner/operator telephone:	Not reported
Legal status:	Private
Owner/Operator Type:	Operator
Owner/Op start date:	01/01/1930
Owner/Op end date:	Not reported

Owner/operator name:	PACIFIC GAS AND ELECTRIC COMPANY
Owner/operator address:	77 BEALE ST SAN FRANCISCO, CA 94105
Owner/operator country:	US
Owner/operator telephone:	Not reported
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	01/01/1930
Owner/Op end date:	Not reported

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No

TRACY MAINTENANCE STATION (Continued) **1000200011**

Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:

Date form received by agency: 02/19/2004
Facility name: TRACY MAINTENANCE STATION
Classification: Large Quantity Generator

Date form received by agency: 10/12/2000
Facility name: TRACY MAINTENANCE STATION
Site name: TRACY MAINTENANCE SERVICE CENTER
Classification: Large Quantity Generator

Date form received by agency: 05/20/1997
Facility name: TRACY MAINTENANCE STATION
Site name: TRACY MAINTENANCE FACILITY
Classification: Small Quantity Generator

Date form received by agency: 09/01/1996
Facility name: TRACY MAINTENANCE STATION
Site name: TRACY MAINTENANCE FACILITY
Classification: Small Quantity Generator

Hazardous Waste Summary:

Waste code: D001
Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Waste code: D018
Waste name: BENZENE

Waste code: F003
Waste name: THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NON-HALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS, AND, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Violation Status: No violations found

FINDS:

TRACY MAINTENANCE STATION (Continued) **1000200011**

Registry ID: 110002679487

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

HAZARDOUS WASTE BIENNIAL REPORTER

HAZNET:

Year:	2011
Gepaid:	CAD981163298
Contact:	RALPH ROBERTS
Telephone:	2099441450
Mailing Name:	Not reported
Mailing Address:	3401 CROW CANYON RD
Mailing City,St,Zip:	SAN RAMON, CA 945830000
Gen County:	Not reported
TSD EPA ID:	CAT000646117
TSD County:	Not reported
Waste Category:	Contaminated soil from site clean-up
Disposal Method:	Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Tons:	0.02
Facility County:	San Joaquin

Year:	2011
Gepaid:	CAD981163298
Contact:	RALPH ROBERTS
Telephone:	2099441450
Mailing Name:	Not reported
Mailing Address:	3401 CROW CANYON RD
Mailing City,St,Zip:	SAN RAMON, CA 945830000
Gen County:	Not reported
TSD EPA ID:	CAT000646117
TSD County:	Not reported
Waste Category:	Alkaline solution without metals pH >= 12.5
Disposal Method:	Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Tons:	0.255
Facility County:	San Joaquin

Year:	2009
Gepaid:	CAD981163298
Contact:	RALPH ROBERTS
Telephone:	2099441450
Mailing Name:	Not reported
Mailing Address:	3401 CROW CANYON RD
Mailing City,St,Zip:	SAN RAMON, CA 945830000
Gen County:	San Joaquin
TSD EPA ID:	CAT000646117
TSD County:	Kings
Waste Category:	Latex waste

TRACY MAINTENANCE STATION (Continued) **1000200011**

Disposal Method:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.0625
Facility County:	San Joaquin
Year:	2009
Gepaid:	CAD981163298
Contact:	RALPH ROBERTS
Telephone:	2099441450
Mailing Name:	Not reported
Mailing Address:	3401 CROW CANYON RD
Mailing City,St,Zip:	SAN RAMON, CA 945830000
Gen County:	San Joaquin
TSD EPA ID:	CAT000646117
TSD County:	Kings
Waste Category:	Other organic solids
Disposal Method:	Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Tons:	0.1
Facility County:	San Joaquin
Year:	2009
Gepaid:	CAD981163298
Contact:	RALPH ROBERTS
Telephone:	2099441450
Mailing Name:	Not reported
Mailing Address:	3401 CROW CANYON RD
Mailing City,St,Zip:	SAN RAMON, CA 945830000
Gen County:	San Joaquin
TSD EPA ID:	CAT000646117
TSD County:	Kings
Waste Category:	Unspecified organic liquid mixture
Disposal Method:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.075
Facility County:	San Joaquin

Click this hyperlink while viewing on your computer to access
6 additional CA_HAZNET: record(s) in the EDR Site Report.

E14 **FLAT AGRICULTURAL TERRAIN. INSIDE PG&E GAS PIPELINE MAINTENA** **FINDS** **1008205983**
NW **24081 PATTERSON PASS ROAD** **N/A**
1/2-1 **TRACY, CA 95376**
0.809 mi.
4274 ft. **Site 4 of 4 in cluster E**

Relative:
Higher

FINDS:

Registry ID: 110020908179

Actual:
164 ft.

Environmental Interest/Information System
US EPA Air Quality System (AQS) contains ambient air pollution data collected by EPA, State, Local, and Tribal air pollution control agencies from thousands of monitoring stations.

F15
SSW
1/2-1
0.811 mi.
4283 ft.

MISSION BELL
25656 SCHULTE CT
TRACY, CA 95377

Site 1 of 2 in cluster F

RCRA-SQG
HAZNET

1010314117
CAR000182238

Relative:
Higher

Actual:
213 ft.

RCRA-SQG:

Date form received by agency:	03/06/2007
Facility name:	MISSION BELL
Facility address:	25656 SCHULTE CT TRACY, CA 95377
EPA ID:	CAR000182238
Contact:	MIKE FISHER
Contact address:	25656 SCHULTE CT TRACY, CA 95377
Contact country:	US
Contact telephone:	408-465-8341
Contact email:	Not reported
EPA Region:	Not reported
Classification:	Small Small Quantity Generator
Description:	Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name:	MISSION BELL
Owner/operator address:	Not reported Not reported
Owner/operator country:	Not reported
Owner/operator telephone:	Not reported
Legal status:	Private
Owner/Operator Type:	Operator
Owner/Op start date:	03/01/2007
Owner/Op end date:	Not reported

Owner/operator name:	MISSION BELL
Owner/operator address:	Not reported Not reported
Owner/operator country:	Not reported
Owner/operator telephone:	Not reported
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	03/01/2007
Owner/Op end date:	Not reported

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No

MISSION BELL (Continued) **1010314117**

User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Hazardous Waste Summary:
Waste code: D001
Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Waste code: F003
Waste name: THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NON-HALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS, AND, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Waste code: F005
Waste name: THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Violation Status: No violations found

HAZNET:
Year: 2009
Gepaid: CAR000182238
Contact: MIKE FISHER
Telephone: 4084658341
Mailing Name: Not reported
Mailing Address: 15740 CONCORD CL
Mailing City,St,Zip: MORGAN HILL, CA 950370000
Gen County: San Joaquin
TSD EPA ID: CAD028409019
TSD County: Los Angeles
Waste Category: Other organic solids
Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.22
Facility County: San Joaquin

Year: 2009

MISSION BELL (Continued) **1010314117**

Gepaid: CAR000182238
Contact: MIKE FISHER
Telephone: 4084658341
Mailing Name: Not reported
Mailing Address: 15740 CONCORD CL
Mailing City,St,Zip: MORGAN HILL, CA 950370000
Gen County: San Joaquin
TSD EPA ID: CAD028409019
TSD County: Los Angeles
Waste Category: Unspecified organic liquid mixture
Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.187
Facility County: San Joaquin

Year: 2009
Gepaid: CAR000182238
Contact: MIKE FISHER
Telephone: 4084658341
Mailing Name: Not reported
Mailing Address: 15740 CONCORD CL
Mailing City,St,Zip: MORGAN HILL, CA 950370000
Gen County: San Joaquin
TSD EPA ID: CAD028409019
TSD County: Los Angeles
Waste Category: Unspecified organic liquid mixture
Disposal Method: Fuel Blending Prior To Energy Recovery At Another Site
Tons: 0.374
Facility County: San Joaquin

Year: 2008
Gepaid: CAR000182238
Contact: MIKE FISHER
Telephone: 4084658341
Mailing Name: Not reported
Mailing Address: 15740 CONCORD CL
Mailing City,St,Zip: MORGAN HILL, CA 950370000
Gen County: San Joaquin
TSD EPA ID: CAD028409019
TSD County: Los Angeles
Waste Category: Unspecified organic liquid mixture
Disposal Method: Fuel Blending Prior To Energy Recovery At Another Site
Tons: 0.748
Facility County: San Joaquin

Year: 2008
Gepaid: CAR000182238
Contact: MIKE FISHER
Telephone: 4084658341
Mailing Name: Not reported
Mailing Address: 15740 CONCORD CL
Mailing City,St,Zip: MORGAN HILL, CA 950370000
Gen County: San Joaquin
TSD EPA ID: CAD028409019
TSD County: Los Angeles
Waste Category: Other organic solids
Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery

MISSION BELL (Continued) **1010314117**

(H010-H129) Or (H131-H135)
Tons: 0.25
Facility County: San Joaquin

Click this hyperlink while viewing on your computer to access
1 additional CA_HAZNET: record(s) in the EDR Site Report.

F16 **MISSION BELL** **FINDS** **1010427645**
SSW **25656 SCHULTE CT** **N/A**
1/2-1 **TRACY, CA 95377**
0.811 mi.
4283 ft. **Site 2 of 2 in cluster F**

Relative: Higher

Actual: 213 ft.

FINDS:

Registry ID: 110031285151

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

D17 **PALLET KING INC** **HAZNET** **S111077575**
South **25686 GATEWAY BLVD** **N/A**
1/2-1 **TRACY, CA 95377**
0.822 mi.
4339 ft. **Site 2 of 2 in cluster D**

Relative: Higher

Actual: 215 ft.

HAZNET:
Year: 2010
Gepaid: CAC002652049
Contact: JOE MADERAS
Telephone: 2094655221
Mailing Name: Not reported
Mailing Address: PO BOX 31255
Mailing City,St,Zip: STOCKTON, CA 952131255
Gen County: Not reported
TSD EPA ID: CAT000646117
TSD County: Not reported
Waste Category: Other organic solids
Disposal Method: Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Tons: 0.125
Facility County: San Joaquin

G18 **SAFEWAY STORES** **NPDES** **S108754383**
SSE **16900 W SCHULTE RD** **CHMIRS** **N/A**
1/2-1 **TRACY, CA 95377** **HAZNET**
0.833 mi.
4397 ft. **Site 1 of 10 in cluster G**

Relative:
Higher

Actual:
183 ft.

NPDES:

Npdes Number:	CAS000001
Facility Status:	Active
Agency Id:	0
Region:	5S
Regulatory Measure Id:	201586
Order No:	97-03-DWQ
Regulatory Measure Type:	Enrollee
Place Id:	Not reported
WDID:	5S39I001999
Program Type:	Industrial
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	03/30/1992
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Safeway Inc
Discharge Address:	5918 Stoneridge Mall Rd
Discharge City:	Pleasanton
Discharge State:	California
Discharge Zip:	94588

CHMIRS:

OES Incident Number:	11-5525
OES notification:	2011-09-16 20:19:00
OES Date:	Not reported
OES Time:	Not reported
Incident Date:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
Special Studies 1:	Not reported
Special Studies 2:	Not reported
Special Studies 3:	Not reported
Special Studies 4:	Not reported
Special Studies 5:	Not reported
Special Studies 6:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported

SAFEWAY STORES (Continued) **S108754383**

CA/DOT/PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Comments:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	No
Waterway:	Not reported
Spill Site:	Merchant/Business
Cleanup By:	Contractor
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Gal(s)
Other:	Not reported
Date/Time:	1030
Year:	2011
Agency:	Safeway
Incident Date:	9/16/2011
Admin Agency:	San Joaquin County Emergency Services
Amount:	Not reported
Contained:	Yes
Site Type:	Not reported
E Date:	Not reported
Substance:	Mineral Oil
Quantity Released:	3,000
BBLS:	Not reported
Cups:	Not reported
CUFT:	Not reported
Gallons:	Not reported
Grams:	Not reported
Pounds:	Not reported
Liters:	Not reported
Ounces:	Not reported
Pints:	Not reported
Quarts:	Not reported
Sheen:	Not reported
Tons:	Not reported
Unknown:	Not reported
Evacuations:	500
Number of Injuries:	Not reported
Number of Fatalities:	Not reported
Description:	Per the caller there is a fire at the sub station at their Tracy Distribution Center. The mineral oil is contained in secondary containment. None of the mineral oil is getting into a waterway. The evacuations were to workers in the effected warehouses.

HAZNET:

Year:	2011
Gepaid:	CAL923564913
Contact:	SHARON PLOUFFE
Telephone:	9252265097
Mailing Name:	Not reported
Mailing Address:	11555 DUBLIN CANYON RD
Mailing City,St,Zip:	PLEASANTON, CA 945882815
Gen County:	Not reported
TSD EPA ID:	CAD980884183

SAFEWAY STORES (Continued) **S108754383**

TSD County: Not reported
Waste Category: Alkaline solution without metals pH >= 12.5
Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.31275
Facility County: San Joaquin

Year: 2011
Gepaid: CAL923564913
Contact: SHARON PLOUFFE
Telephone: 9252265097
Mailing Name: Not reported
Mailing Address: 11555 DUBLIN CANYON RD
Mailing City,St,Zip: PLEASANTON, CA 945882815
Gen County: Not reported
TSD EPA ID: CAD980884183
TSD County: Not reported
Waste Category: Off-specification, aged or surplus inorganics
Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.4587
Facility County: San Joaquin

Year: 2011
Gepaid: CAL923564913
Contact: SHARON PLOUFFE
Telephone: 9252265097
Mailing Name: Not reported
Mailing Address: 11555 DUBLIN CANYON RD
Mailing City,St,Zip: PLEASANTON, CA 945882815
Gen County: Not reported
TSD EPA ID: CAD980884183
TSD County: Not reported
Waste Category: Off-specification, aged or surplus organics
Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 1.0555
Facility County: San Joaquin

Year: 2011
Gepaid: CAL923564913
Contact: SHARON PLOUFFE
Telephone: 9252265097
Mailing Name: Not reported
Mailing Address: 11555 DUBLIN CANYON RD
Mailing City,St,Zip: PLEASANTON, CA 945882815
Gen County: Not reported
TSD EPA ID: CAD980884183
TSD County: Not reported
Waste Category: Detergent waste chemicals
Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.1668
Facility County: San Joaquin

Year: 2011
Gepaid: CAL923564913

SAFEWAY STORES (Continued) **S108754383**

Contact:	SHARON PLOUFFE
Telephone:	9252265097
Mailing Name:	Not reported
Mailing Address:	11555 DUBLIN CANYON RD
Mailing City,St,Zip:	PLEASANTON, CA 945882815
Gen County:	Not reported
TSD EPA ID:	CAD980887418
TSD County:	Not reported
Waste Category:	Waste oil and mixed oil
Disposal Method:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	7.22
Facility County:	San Joaquin

Click this hyperlink while viewing on your computer to access
34 additional CA_HAZNET: record(s) in the EDR Site Report.

G19 **CHMIRS** **S105669852**
SSE **16900 W SCHULTE RD.** **N/A**
1/2-1 **TRACY, CA**
0.833 mi.
4397 ft. **Site 2 of 10 in cluster G**

Relative:
Higher

Actual:
183 ft.

CHMIRS:

OES Incident Number:	01-7356	
OES notification:	12/20/200110:09:12 AM	
OES Date:	Not reported	
OES Time:	Not reported	
Incident Date:	Not reported	
Date Completed:	**Not reported**	
Property Use:	Not reported	
Agency Id Number:	Not reported	
Agency Incident Number:	Not reported	
Time Notified:	Not reported	
Time Completed:	Not reported	
Surrounding Area:	Not reported	
Estimated Temperature:	Not reported	
Property Management:	Not reported	
Special Studies 1:	Not reported	
Special Studies 2:	Not reported	
Special Studies 3:	Not reported	
Special Studies 4:	Not reported	
Special Studies 5:	Not reported	
Special Studies 6:	Not reported	
More Than Two Substances Involved?:		Not reported
Resp Agncy Personel # Of Decontaminated:		Not reported
Responding Agency Personel # Of Injuries:		Not reported
Responding Agency Personel # Of Fatalities:		Not reported
Others Number Of Decontaminated:		Not reported
Others Number Of Injuries:		Not reported
Others Number Of Fatalities:		Not reported
Vehicle Make/year:	Not reported	
Vehicle License Number:	Not reported	
Vehicle State:	Not reported	
Vehicle Id Number:	Not reported	
CA/DOT/PUC/ICC Number:	Not reported	
Company Name:	Not reported	
Reporting Officer Name/ID:	Not reported	

(Continued) **S105669852**

Report Date:	Not reported
Comments:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	No
Waterway:	Not reported
Spill Site:	Not reported
Cleanup By:	Contractor
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	2001
Agency:	Summit Logistics
Incident Date:	12/19/200112:00:00 AM
Admin Agency:	San Joaquin County Emergency Services
Amount:	Not reported
Contained:	Yes
Site Type:	Merchant/Business
E Date:	Not reported
Substance:	Diesel;;;
Quantity Released:	Not reported
BBLS:	0
Cups:	0
CUFT:	0
Gallons:	75
Grams:	0
Pounds:	0
Liters:	0
Ounces:	0
Pints:	0
Quarts:	0
Sheen:	0
Tons:	0
Unknown:	0.000000
Evacuations:	0
Number of Injuries:	0
Number of Fatalities:	0
Description:	Per caller, a driver of a big rig hit a wall and punctured a saddle tank causing the release of the substance.

G20 **CHMIRS** **S108401029**
SSE **16900 W. SCHULTE RD** **N/A**
1/2-1 **TRACY, CA**
0.833 mi.
4397 ft. **Site 3 of 10 in cluster G**

Relative:
Higher

Actual:
183 ft.

CHMIRS:

OES Incident Number:	05-0220
OES notification:	1/10/200510:40:55 AM
OES Date:	Not reported
OES Time:	Not reported
Incident Date:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported

(Continued) **S108401029**

Time Notified:	Not reported	
Time Completed:	Not reported	
Surrounding Area:	Not reported	
Estimated Temperature:	Not reported	
Property Management:	Not reported	
Special Studies 1:	Not reported	
Special Studies 2:	Not reported	
Special Studies 3:	Not reported	
Special Studies 4:	Not reported	
Special Studies 5:	Not reported	
Special Studies 6:	Not reported	
More Than Two Substances Involved?:		Not reported
Resp Agncy Personel # Of Decontaminated:		Not reported
Responding Agency Personel # Of Injuries:		Not reported
Responding Agency Personel # Of Fatalities:		Not reported
Others Number Of Decontaminated:		Not reported
Others Number Of Injuries:		Not reported
Others Number Of Fatalities:		Not reported
Vehicle Make/year:	Not reported	
Vehicle License Number:	Not reported	
Vehicle State:	Not reported	
Vehicle Id Number:	Not reported	
CA/DOT/PUC/ICC Number:	Not reported	
Company Name:	Not reported	
Reporting Officer Name/ID:	Not reported	
Report Date:	Not reported	
Comments:	Not reported	
Facility Telephone:	Not reported	
Waterway Involved:	Not reported	
Waterway:	Not reported	
Spill Site:	Not reported	
Cleanup By:	Reporting Party	
Containment:	Not reported	
What Happened:	Not reported	
Type:	Not reported	
Measure:	Not reported	
Other:	Not reported	
Date/Time:	Not reported	
Year:	2005	
Agency:	Safeway	
Incident Date:	1/8/200512:00:00 AM	
Admin Agency:	San Joaquin County Emergency Services	
Amount:	Not reported	
Contained:	Yes	
Site Type:	Industrial Plant	
E Date:	Not reported	
Substance:	Diesel	
Quantity Released:	Not reported	
BBLS:	0	
Cups:	0	
CUFT:	0	
Gallons:	60-80	
Grams:	0	
Pounds:	0	
Liters:	0	
Ounces:	0	
Pints:	0	

(Continued) **S108401029**

Quarts:	0
Sheen:	0
Tons:	0
Unknown:	0
Evacuations:	0
Number of Injuries:	0
Number of Fatalities:	0
Description:	Malfunction in the tank grear box at the fuel island, at the Warehouse Not reported

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G21 **SAFEWAY DISTRIBUTION CENTER** **FINDS** **1010044326**
SSE **16900 W. SCHULTE ROAD** **N/A**
1/2-1 **TRACY, CA 95377**
0.833 mi.
4397 ft. **Site 4 of 10 in cluster G**

Relative:
Higher

Actual:
183 ft.

FINDS:

Registry ID: 110028156554

Environmental Interest/Information System

ICIS (Integrated Compliance Information System) is the Integrated Compliance Information System and provides a database that, when complete, will contain integrated Enforcement and Compliance information across most of EPA's programs. The vision for ICIS is to replace EPA's independent databases that contain Enforcement data with a single repository for that information. Currently, ICIS contains all Federal Administrative and Judicial enforcement actions. This information is maintained in ICIS by EPA in the Regional offices and it Headquarters. A future release of ICIS will replace the Permit Compliance System (PCS) which supports the NPDES and will integrate that information with Federal actions already in the system. ICIS also has the capability to track other activities occurring in the Region that support Compliance and Enforcement programs. These include; Incident Tracking, Compliance Assistance, and Compliance Monitoring.

G22 **SAFEWAY DISTRIBUTION CENTER** **AST** **A100337618**
SSE **16900 W SCHULTE** **N/A**
1/2-1 **TRACY, CA 95377**
0.833 mi.
4397 ft. **Site 5 of 10 in cluster G**

Relative:
Higher

Actual:
183 ft.

AST:

Owner:	SAFEWAY DISTRIBUTION CENTER
Total Gallons:	42,460
Certified Unified Program Agencies:	San Joaquin

G23 **SUMMIT LOGISTICS INC** **CHMIRS** **S104583743**
SSE **16900 WEST SCHULTE RD.** **HAZNET** **N/A**
1/2-1 **TRACY, CA 95377**
0.833 mi.
4397 ft. **Site 6 of 10 in cluster G**

Relative:
Higher

Actual:
183 ft.

CHMIRS:

OES Incident Number:	98-0878	
OES notification:	2/20/199812:32:35 PM	
OES Date:	Not reported	
OES Time:	Not reported	
Incident Date:	Not reported	
Date Completed:	**Not reported**	
Property Use:	Not reported	
Agency Id Number:	Not reported	
Agency Incident Number:	Not reported	
Time Notified:	Not reported	
Time Completed:	Not reported	
Surrounding Area:	Not reported	
Estimated Temperature:	Not reported	
Property Management:	Not reported	
Special Studies 1:	Not reported	
Special Studies 2:	Not reported	
Special Studies 3:	Not reported	
Special Studies 4:	Not reported	
Special Studies 5:	Not reported	
Special Studies 6:	Not reported	
More Than Two Substances Involved?:		Not reported
Resp Agncy Personel # Of Decontaminated:		Not reported
Responding Agency Personel # Of Injuries:		Not reported
Responding Agency Personel # Of Fatalities:		Not reported
Others Number Of Decontaminated:		Not reported
Others Number Of Injuries:		Not reported
Others Number Of Fatalities:		Not reported
Vehicle Make/year:	Not reported	
Vehicle License Number:	Not reported	
Vehicle State:	Not reported	
Vehicle Id Number:	Not reported	
CA/DOT/PUC/ICC Number:	Not reported	
Company Name:	Not reported	
Reporting Officer Name/ID:	Not reported	
Report Date:	Not reported	
Comments:	Not reported	
Facility Telephone:	Not reported	
Waterway Involved:	No	
Waterway:	Not reported	
Spill Site:	Not reported	
Cleanup By:	Reporting Party	
Containment:	Not reported	
What Happened:	Not reported	
Type:	Not reported	
Measure:	Not reported	
Other:	Not reported	
Date/Time:	Not reported	
Year:	1998	
Agency:	Summit Logistics	
Incident Date:	2/19/199812:00:00 AM	
Admin Agency:	San Joaquin County Emergency Services	
Amount:	Not reported	

SUMMIT LOGISTICS INC (Continued) **S104583743**

Contained:	No
Site Type:	Industrial Plant
E Date:	Not reported
Substance:	Anhydros Ammonia
Quantity Released:	Not reported
BBLS:	0
Cups:	0
CUFT:	0
Gallons:	0.000000
Grams:	0
Pounds:	5
Liters:	0
Ounces:	0
Pints:	0
Quarts:	0
Sheen:	0
Tons:	0
Unknown:	0
Evacuations:	100
Number of Injuries:	0
Number of Fatalities:	0
Description:	Gasket blew on compressor releasing gas to air. Immediate plant personnel evacuated for about 30min then returned. FD called in. Repairs complete on machine.
OES Incident Number:	99-2865
OES notification:	7/8/199912:28:02 PM
OES Date:	Not reported
OES Time:	Not reported
Incident Date:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
Special Studies 1:	Not reported
Special Studies 2:	Not reported
Special Studies 3:	Not reported
Special Studies 4:	Not reported
Special Studies 5:	Not reported
Special Studies 6:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA/DOT/PUC/ICC Number:	Not reported

SUMMIT LOGISTICS INC (Continued) **S104583743**

Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Comments:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	No
Waterway:	Not reported
Spill Site:	Not reported
Cleanup By:	None Required
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	1999
Agency:	Summit Logistice Inc
Incident Date:	7/8/199912:00:00 AM
Admin Agency:	San Joaquin County Emergency Services
Amount:	Not reported
Contained:	Yes
Site Type:	Industrial Plant
E Date:	Not reported
Substance:	Ammonia
Quantity Released:	Not reported
BBLS:	0
Cups:	0
CUFT:	0
Gallons:	0
Grams:	0
Pounds:	0
Liters:	0
Ounces:	0
Pints:	0
Quarts:	0
Sheen:	0
Tons:	0
Unknown:	0
Evacuations:	0
Number of Injuries:	0
Number of Fatalities:	0
Description:	During normal maintence of shutting down the system the release occurred. This is a normal occurance. Building was cleared as a precaution.

HAZNET:

Year:	2008
Gepaid:	CAL923564913
Contact:	SHARON PLOUFFE
Telephone:	9252265097
Mailing Name:	Not reported
Mailing Address:	5918 STONERIDGE MALL RD
Mailing City,St,Zip:	PLEASANTON, CA 945880000
Gen County:	San Joaquin
TSD EPA ID:	CAD980884183
TSD County:	Sacramento
Waste Category:	Off-specification, aged or surplus organics

SUMMIT LOGISTICS INC (Continued) **S104583743**

Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.024
Facility County: San Joaquin

Year: 2008
Gepaid: CAL923564913
Contact: SHARON PLOUFFE
Telephone: 9252265097
Mailing Name: Not reported
Mailing Address: 5918 STONERIDGE MALL RD
Mailing City,St,Zip: PLEASANTON, CA 945880000
Gen County: San Joaquin
TSD EPA ID: CAD980884183
TSD County: Sacramento
Waste Category: Other organic solids
Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.79
Facility County: San Joaquin

Year: 2008
Gepaid: CAL923564913
Contact: SHARON PLOUFFE
Telephone: 9252265097
Mailing Name: Not reported
Mailing Address: 5918 STONERIDGE MALL RD
Mailing City,St,Zip: PLEASANTON, CA 945880000
Gen County: San Joaquin
TSD EPA ID: CAD980884183
TSD County: Sacramento
Waste Category: Off-specification, aged or surplus inorganics
Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.0825
Facility County: San Joaquin

Year: 2008
Gepaid: CAL923564913
Contact: SHARON PLOUFFE
Telephone: 9252265097
Mailing Name: Not reported
Mailing Address: 5918 STONERIDGE MALL RD
Mailing City,St,Zip: PLEASANTON, CA 945880000
Gen County: San Joaquin
TSD EPA ID: CAD980884183
TSD County: Sacramento
Waste Category: Unspecified oil-containing waste
Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 5.02935
Facility County: San Joaquin

Year: 2007
Gepaid: CAL923564913
Contact: SHARON PLOUFFE
Telephone: 9252265097

SUMMIT LOGISTICS INC (Continued) **S104583743**

Mailing Name:	Not reported
Mailing Address:	5918 STONERIDGE MALL RD
Mailing City,St,Zip:	PLEASANTON, CA 94588
Gen County:	San Joaquin
TSD EPA ID:	CAD008364432
TSD County:	Los Angeles
Waste Category:	Off-specification, aged or surplus organics
Disposal Method:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0
Facility County:	San Joaquin

Click this hyperlink while viewing on your computer to access
89 additional CA_HAZNET: record(s) in the EDR Site Report.

G24 **SUMMIT LOGISTICS** **CHMIRS S105672210**
SSE **16900 W SCHULTE RD** **HAZNET N/A**
1/2-1 **TRACY, CA 95377** **WDS**
0.833 mi.
4397 ft. **Site 7 of 10 in cluster G**

Relative:
Higher

Actual:
183 ft.

CHMIRS:

OES Incident Number:	01-5068	
OES notification:	9/5/200107:17:45 PM	
OES Date:	Not reported	
OES Time:	Not reported	
Incident Date:	Not reported	
Date Completed:	**Not reported**	
Property Use:	Not reported	
Agency Id Number:	Not reported	
Agency Incident Number:	Not reported	
Time Notified:	Not reported	
Time Completed:	Not reported	
Surrounding Area:	Not reported	
Estimated Temperature:	Not reported	
Property Management:	Not reported	
Special Studies 1:	Not reported	
Special Studies 2:	Not reported	
Special Studies 3:	Not reported	
Special Studies 4:	Not reported	
Special Studies 5:	Not reported	
Special Studies 6:	Not reported	
More Than Two Substances Involved?:		Not reported
Resp Agncy Personel # Of Decontaminated:		Not reported
Responding Agency Personel # Of Injuries:		Not reported
Responding Agency Personel # Of Fatalities:		Not reported
Others Number Of Decontaminated:		Not reported
Others Number Of Injuries:		Not reported
Others Number Of Fatalities:		Not reported
Vehicle Make/year:	Not reported	
Vehicle License Number:	Not reported	
Vehicle State:	Not reported	
Vehicle Id Number:	Not reported	
CA/DOT/PUC/ICC Number:	Not reported	
Company Name:	Not reported	
Reporting Officer Name/ID:	Not reported	
Report Date:	Not reported	
Comments:	Not reported	

SUMMIT LOGISTICS (Continued) **S105672210**

Facility Telephone:	Not reported
Waterway Involved:	No
Waterway:	Not reported
Spill Site:	Not reported
Cleanup By:	Reporting Party
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	2001
Agency:	Summit Logistics
Incident Date:	9/5/200112:00:00 AM
Admin Agency:	San Joaquin County Emergency Services
Amount:	Not reported
Contained:	Yes
Site Type:	Merchant/Business
E Date:	Not reported
Substance:	Ammonia
Quantity Released:	Not reported
BBLS:	0
Cups:	0
CUFT:	0
Gallons:	0
Grams:	0
Pounds:	1
Liters:	0
Ounces:	0
Pints:	0
Quarts:	0
Sheen:	0
Tons:	0
Unknown:	0.000000
Evacuations:	0
Number of Injuries:	0
Number of Fatalities:	0
Description:	For unknown reason an oil leak occurred that had ammonia in it.

HAZNET:

Year:	2009
Gepaid:	CAL923564913
Contact:	SHARON PLOUFFE
Telephone:	9252265097
Mailing Name:	Not reported
Mailing Address:	11555 DUBLIN CANYON RD
Mailing City,St,Zip:	PLEASANTON, CA 945882815
Gen County:	San Joaquin
TSD EPA ID:	CAD980884183
TSD County:	Sacramento
Waste Category:	Unspecified oil-containing waste
Disposal Method:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	4.4812
Facility County:	San Joaquin

Year: 2009

SUMMIT LOGISTICS (Continued) **S105672210**

Gepaid: CAL923564913
Contact: SHARON PLOUFFE
Telephone: 9252265097
Mailing Name: Not reported
Mailing Address: 11555 DUBLIN CANYON RD
Mailing City,St,Zip: PLEASANTON, CA 945882815
Gen County: San Joaquin
TSD EPA ID: CAD980884183
TSD County: Sacramento
Waste Category: Other inorganic solid waste
Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.0425
Facility County: San Joaquin

Year: 2009
Gepaid: CAL923564913
Contact: SHARON PLOUFFE
Telephone: 9252265097
Mailing Name: Not reported
Mailing Address: 11555 DUBLIN CANYON RD
Mailing City,St,Zip: PLEASANTON, CA 945882815
Gen County: San Joaquin
TSD EPA ID: CAD980884183
TSD County: Sacramento
Waste Category: Other organic solids
Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.5025
Facility County: San Joaquin

Year: 2009
Gepaid: CAL923564913
Contact: SHARON PLOUFFE
Telephone: 9252265097
Mailing Name: Not reported
Mailing Address: 11555 DUBLIN CANYON RD
Mailing City,St,Zip: PLEASANTON, CA 945882815
Gen County: San Joaquin
TSD EPA ID: CAD980887418
TSD County: Alameda
Waste Category: Unspecified oil-containing waste
Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 27.25095
Facility County: San Joaquin

Year: 2009
Gepaid: CAL923564913
Contact: SHARON PLOUFFE
Telephone: 9252265097
Mailing Name: Not reported
Mailing Address: 11555 DUBLIN CANYON RD
Mailing City,St,Zip: PLEASANTON, CA 945882815
Gen County: San Joaquin
TSD EPA ID: CAD980884183
TSD County: Sacramento

SUMMIT LOGISTICS (Continued) **S105672210**

Waste Category: Off-specification, aged or surplus inorganics
Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.1476
Facility County: San Joaquin

Click this hyperlink while viewing on your computer to access
4 additional CA_HAZNET: record(s) in the EDR Site Report.

CA WDS:
Facility ID: 5S 39I001999
Facility Type: Industrial - Facility that treats and/or disposes of liquid or semisolid wastes from any servicing, producing, manufacturing or processing operation of whatever nature, including mining, gravel washing, geothermal operations, air conditioning, ship building and repairing, oil production, storage and disposal operations, water pumping.
Facility Status: Active - Any facility with a continuous or seasonal discharge that is under Waste Discharge Requirements.
NPDES Number: CAS000001 The 1st 2 characters designate the state. The remaining 7 are assigned by the Regional Board
Subregion: 0
Facility Telephone: 2098334948
Facility Contact: THOMAS MAGERS
Agency Name: SAFEWAY INC
Agency Address: 5918 STONERIDGE MALL RD
Agency City,St,Zip: PLEASANTON 945883229
Agency Contact: Not reported
Agency Telephone: 9254673000
Agency Type: Private
SIC Code: 0
SIC Code 2: Not reported
Primary Waste: Not reported
Primary Waste Type: Not reported
Secondary Waste: Not reported
Secondary Waste Type: Not reported
Design Flow: 0
Baseline Flow: 0
Reclamation: Not reported
POTW: Not reported
Treat To Water: Minor Threat to Water Quality. A violation of a regional board order should cause a relatively minor impairment of beneficial uses compared to a major or minor threat. Not: All nurds without a TTWQ will be considered a minor threat to water quality unless coded at a higher Level. A Zero (0) may be used to code those NURDS that are found to represent no threat to water quality.
Complexity: Category C - Facilities having no waste treatment systems, such as cooling water dischargers or thosewho must comply through best management practices, facilities with passive waste treatment and disposal systems, such as septic systems with subsurface disposal, or dischargers having waste storage systems with land disposal such as dairy waste ponds.

G25 **CHMIRS** **S105634602**
SSE **16900 WEST SHULTE RD** **N/A**
1/2-1 **TRACY, CA 95376**
0.833 mi.
4397 ft. **Site 8 of 10 in cluster G**

Relative:
Higher

Actual:
182 ft.

CHMIRS:

OES Incident Number:	3440	
OES notification:	Not reported	
OES Date:	8/2/1994	
OES Time:	02:47:21 PM	
Incident Date:	Not reported	
Date Completed:	**Not reported**	
Property Use:	Not reported	
Agency Id Number:	Not reported	
Agency Incident Number:	Not reported	
Time Notified:	Not reported	
Time Completed:	Not reported	
Surrounding Area:	Not reported	
Estimated Temperature:	Not reported	
Property Management:	Not reported	
Special Studies 1:	Not reported	
Special Studies 2:	Not reported	
Special Studies 3:	Not reported	
Special Studies 4:	Not reported	
Special Studies 5:	Not reported	
Special Studies 6:	Not reported	
More Than Two Substances Involved?:		Not reported
Resp Agncy Personel # Of Decontaminated:		Not reported
Responding Agency Personel # Of Injuries:		Not reported
Responding Agency Personel # Of Fatalities:		Not reported
Others Number Of Decontaminated:		Not reported
Others Number Of Injuries:		Not reported
Others Number Of Fatalities:		Not reported
Vehicle Make/year:	Not reported	
Vehicle License Number:	Not reported	
Vehicle State:	Not reported	
Vehicle Id Number:	Not reported	
CA/DOT/PUC/ICC Number:	Not reported	
Company Name:	Not reported	
Reporting Officer Name/ID:	Not reported	
Report Date:	Not reported	
Comments:	Not reported	
Facility Telephone:	Not reported	
Waterway Involved:	YES	
Waterway:	Not reported	
Spill Site:	Not reported	
Cleanup By:	dissipated	
Containment:	Not reported	
What Happened:	Not reported	
Type:	CHEMICAL	
Measure:	Not reported	
Other:	Not reported	
Date/Time:	Not reported	
Year:	1994	
Agency:	specialized distribution mgmt inc	
Incident Date:	1320/01aug94	
Admin Agency:	Not reported	
Amount:	12 gals	

(Continued) **S105634602**

Contained:	NO
Site Type:	Not reported
E Date:	Not reported
Substance:	ammonia nh3
Quantity Released:	Not reported
BBLS:	Not reported
Cups:	Not reported
CUFT:	Not reported
Gallons:	Not reported
Grams:	Not reported
Pounds:	Not reported
Liters:	Not reported
Ounces:	Not reported
Pints:	Not reported
Quarts:	Not reported
Sheen:	Not reported
Tons:	Not reported
Unknown:	Not reported
Evacuations:	NO
Number of Injuries:	NO
Number of Fatalities:	NO
Description:	condensor towers went down pressure relief valve vented sooner than it was suppose to

---

G26 **HMIRS** **93010029**
SSE **16900 SCHULTE RD.** **N/A**
1/2-1 **TRACY, CA**
0.833 mi.
4400 ft. **Site 9 of 10 in cluster G**

Relative:
Higher

Click this hyperlink while viewing on your computer to access additional HMIRS detail in the EDR Site Report.

Actual:
182 ft.

G27 **ERNS** **99629949**
SSE **16900 WEST SCHULTE ROAD** **N/A**
1/2-1 **TRACY, CA 95376**
0.833 mi.
4400 ft. **Site 10 of 10 in cluster G**

Relative:
Higher

Click this hyperlink while viewing on your computer to access additional ERNS detail in the EDR Site Report.

Actual:
182 ft.

H28 **CHMIRS** **S108433189**
South **17298 COMMERCE** **EMI** **N/A**
1/2-1 **TRACY, CA**
0.835 mi.
4408 ft. **Site 1 of 3 in cluster H**

Relative:
Higher

CHMIRS:

OES Incident Number:	'10-2070
OES notification:	3/29/2010 7:25:00 AM
OES Date:	Not reported
OES Time:	Not reported
Incident Date:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported

Actual:
217 ft.

(Continued) **S108433189**

Agency Id Number:	Not reported	
Agency Incident Number:	Not reported	
Time Notified:	Not reported	
Time Completed:	Not reported	
Surrounding Area:	Not reported	
Estimated Temperature:	Not reported	
Property Management:	Not reported	
Special Studies 1:	Not reported	
Special Studies 2:	Not reported	
Special Studies 3:	Not reported	
Special Studies 4:	Not reported	
Special Studies 5:	Not reported	
Special Studies 6:	Not reported	
More Than Two Substances Involved?:		Not reported
Resp Agncy Personel # Of Decontaminated:		Not reported
Responding Agency Personel # Of Injuries:		Not reported
Responding Agency Personel # Of Fatalities:		Not reported
Others Number Of Decontaminated:		Not reported
Others Number Of Injuries:		Not reported
Others Number Of Fatalities:		Not reported
Vehicle Make/year:	Not reported	
Vehicle License Number:	Not reported	
Vehicle State:	Not reported	
Vehicle Id Number:	Not reported	
CA/DOT/PUC/ICC Number:	Not reported	
Company Name:	Not reported	
Reporting Officer Name/ID:	Not reported	
Report Date:	Not reported	
Comments:	Not reported	
Facility Telephone:	Not reported	
Waterway Involved:	No	
Waterway:	Not reported	
Spill Site:	Road	
Cleanup By:	Unknown	
Containment:	Not reported	
What Happened:	Not reported	
Type:	Not reported	
Measure:	Gal(s)	
Other:	Not reported	
Date/Time:	552	
Year:	2010	
Agency:	Stockton CHP	
Incident Date:	3/29/2010	
Admin Agency:	San Joaquin County Emergency Services	
Amount:	Not reported	
Contained:	Yes	
Site Type:	Not reported	
E Date:	Not reported	
Substance:	Diesel	
Quantity Released:	160	
BBLS:	Not reported	
Cups:	Not reported	
CUFT:	Not reported	
Gallons:	Not reported	
Grams:	Not reported	
Pounds:	Not reported	
Liters:	Not reported	

(Continued) **S108433189**

Ounces:	Not reported
Pints:	Not reported
Quarts:	Not reported
Sheen:	Not reported
Tons:	Not reported
Unknown:	Not reported
Evacuations:	Not reported
Number of Injuries:	Not reported
Number of Fatalities:	Not reported
Description:	Due to a overturned big rig carrying pallets, diesel is leaking from the fuel tank.l At this time 35 gallons has leaked however until the big rig is upright it could leak up to 160 gallons.

EMI:

Year:	2005
County Code:	39
Air Basin:	SJV
Facility ID:	3906
Air District Name:	SJU
SIC Code:	6798
Air District Name:	SAN JOAQUIN VALLEY UNIFIED APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	.0007589339183246528
Reactive Organic Gases Tons/Yr:	.000635000009462237
Carbon Monoxide Emissions Tons/Yr:	.00176500002630055
NOX - Oxides of Nitrogen Tons/Yr:	.00485000007227063
SOX - Oxides of Sulphur Tons/Yr:	.000177750002648681
Particulate Matter Tons/Yr:	.0002663934465925225
Part. Matter 10 Micrometers & Smllr Tons/Yr:	.000260000003874302

Year:	2006
County Code:	39
Air Basin:	SJV
Facility ID:	3906
Air District Name:	SJU
SIC Code:	6798
Air District Name:	SAN JOAQUIN VALLEY UNIFIED APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	.0007589339183246528
Reactive Organic Gases Tons/Yr:	.000635000009462237
Carbon Monoxide Emissions Tons/Yr:	.00176500002630055
NOX - Oxides of Nitrogen Tons/Yr:	.00485000007227063
SOX - Oxides of Sulphur Tons/Yr:	.0000053000000789761
Particulate Matter Tons/Yr:	.0002663934465925225
Part. Matter 10 Micrometers & Smllr Tons/Yr:	.000260000003874302

Year:	2007
County Code:	39
Air Basin:	SJV
Facility ID:	3906
Air District Name:	SJU
SIC Code:	6798
Air District Name:	SAN JOAQUIN VALLEY UNIFIED APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported

(Continued) **S108433189**

Total Organic Hydrocarbon Gases Tons/Yr:	.0007589339183246528
Reactive Organic Gases Tons/Yr:	.000635000009462237
Carbon Monoxide Emissions Tons/Yr:	.00170075402270263
NOX - Oxides of Nitrogen Tons/Yr:	.00467394507060118
SOX - Oxides of Sulphur Tons/Yr:	.0000052655500777520
Particulate Matter Tons/Yr:	.0002657274629909272
Part. Matter 10 Micrometers & Smllr Tons/Yr:	.000259350003879145
Year:	2007
County Code:	39
Air Basin:	SJV
Facility ID:	3906
Air District Name:	SJU
SIC Code:	6798
Air District Name:	SAN JOAQUIN VALLEY UNIFIED APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	.0007589339183246528
Reactive Organic Gases Tons/Yr:	.000635000009462237
Carbon Monoxide Emissions Tons/Yr:	.00170075398982695
NOX - Oxides of Nitrogen Tons/Yr:	.00467394505253352
SOX - Oxides of Sulphur Tons/Yr:	.0000052655500481359
Particulate Matter Tons/Yr:	.0002657274636111731
Part. Matter 10 Micrometers & Smllr Tons/Yr:	.000259350004484505

H29 **ALGOMA HARDWOOD INC** **EMI** **S105936399**
South **17298 WEST COMMERCE WAY** **N/A**
1/2-1 **TRACY, CA**
0.835 mi.
4408 ft. **Site 2 of 3 in cluster H**

Relative:
Higher

Actual:
217 ft.

EMI:

Year:	2000
County Code:	39
Air Basin:	SJV
Facility ID:	4161
Air District Name:	SJU
SIC Code:	2431
Air District Name:	SAN JOAQUIN VALLEY UNIFIED APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0
Year:	2001
County Code:	39
Air Basin:	SJV
Facility ID:	4161
Air District Name:	SJU
SIC Code:	2431
Air District Name:	SAN JOAQUIN VALLEY UNIFIED APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported

ALGOMA HARDWOOD INC (Continued) **S105936399**

Total Organic Hydrocarbon Gases Tons/Yr:	0
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

Year:	2003
County Code:	39
Air Basin:	SJV
Facility ID:	4161
Air District Name:	SJU
SIC Code:	2431
Air District Name:	SAN JOAQUIN VALLEY UNIFIED APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

H30 **ENXCO INC-TRACY SHOP** **HAZNET** **S108206154**
South **17298 W COMMERCE WAY** **N/A**
1/2-1 **TRACY, CA 95377**
0.835 mi.
4408 ft. **Site 3 of 3 in cluster H**

Relative:
Higher

Actual:
217 ft.

HAZNET:

Year:	2011
Gepaid:	CAL000293374
Contact:	LANE CROSS/DIR HSE
Telephone:	2098361921
Mailing Name:	Not reported
Mailing Address:	17298 W COMMERCE WAY
Mailing City,St,Zip:	TRACY, CA 953778639
Gen County:	Not reported
TSD EPA ID:	TXD077603371
TSD County:	Not reported
Waste Category:	Other still bottom waste
Disposal Method:	Fuel Blending Prior To Energy Recovery At Another Site
Tons:	0.035
Facility County:	San Joaquin

Year:	2011
Gepaid:	CAL000293374
Contact:	LANE CROSS/DIR HSE
Telephone:	2098361921
Mailing Name:	Not reported
Mailing Address:	17298 W COMMERCE WAY
Mailing City,St,Zip:	TRACY, CA 953778639
Gen County:	Not reported
TSD EPA ID:	NVT330010000
TSD County:	Not reported
Waste Category:	Other organic solids

ENXCO INC-TRACY SHOP (Continued) **S108206154**

Disposal Method: Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Tons: 0.2
Facility County: San Joaquin

Year: 2010
Gepaid: CAL000293374
Contact: LANE CROSS
Telephone: 2098361921
Mailing Name: Not reported
Mailing Address: 17298 W COMMERCE WAY
Mailing City,St,Zip: TRACY, CA 953778639
Gen County: Not reported
TSD EPA ID: TXD077603371
TSD County: Not reported
Waste Category: Waste oil and mixed oil
Disposal Method: Fuel Blending Prior To Energy Recovery At Another Site
Tons: 0.2
Facility County: San Joaquin

Year: 2010
Gepaid: CAL000293374
Contact: LANE CROSS
Telephone: 2098361921
Mailing Name: Not reported
Mailing Address: 17298 W COMMERCE WAY
Mailing City,St,Zip: TRACY, CA 953778639
Gen County: Not reported
TSD EPA ID: CA0000084517
TSD County: Not reported
Waste Category: Aqueous solution with total organic residues less than 10 percent
Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.8232
Facility County: San Joaquin

Year: 2010
Gepaid: CAL000293374
Contact: LANE CROSS
Telephone: 2098361921
Mailing Name: Not reported
Mailing Address: 17298 W COMMERCE WAY
Mailing City,St,Zip: TRACY, CA 953778639
Gen County: Not reported
TSD EPA ID: TXD077603371
TSD County: Not reported
Waste Category: Waste oil and mixed oil
Disposal Method: Fuel Blending Prior To Energy Recovery At Another Site
Tons: 0.35
Facility County: San Joaquin

Click this hyperlink while viewing on your computer to access
28 additional CA_HAZNET: record(s) in the EDR Site Report.

I31 **LEGEND TRANSPORTATION** **HAZNET** **S110370628**
South **17365 W COMMERCE WAY** **N/A**
1/2-1 **TRACY, CA 95377**
0.836 mi.
4416 ft. **Site 1 of 3 in cluster I**

Relative:
Higher

Actual:
218 ft.

HAZNET:

Year:	2009
Gepaid:	CAC002644072
Contact:	WENDY STABNAU
Telephone:	5304835867
Mailing Name:	Not reported
Mailing Address:	1445 BUTTE HOUSE RD STE C
Mailing City,St,Zip:	YUBA CITY, CA 95993
Gen County:	San Joaquin
TSD EPA ID:	CAD980887418
TSD County:	Alameda
Waste Category:	Unspecified oil-containing waste
Disposal Method:	Discharge To Sewer/Potw Or Npdes(With Prior Storage--With Or Without Treatment)
Tons:	0.6255
Facility County:	San Joaquin

Year:	2009
Gepaid:	CAC002644072
Contact:	WENDY STABNAU
Telephone:	5304835867
Mailing Name:	Not reported
Mailing Address:	1445 BUTTE HOUSE RD STE C
Mailing City,St,Zip:	YUBA CITY, CA 95993
Gen County:	San Joaquin
TSD EPA ID:	CAT000646117
TSD County:	Kings
Waste Category:	Other organic solids
Disposal Method:	Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Tons:	12.642
Facility County:	San Joaquin

Year:	2009
Gepaid:	CAC002644072
Contact:	WENDY STABNAU
Telephone:	5304835867
Mailing Name:	Not reported
Mailing Address:	1445 BUTTE HOUSE RD STE C
Mailing City,St,Zip:	YUBA CITY, CA 95993
Gen County:	San Joaquin
TSD EPA ID:	CAD008364432
TSD County:	Los Angeles
Waste Category:	Other organic solids
Disposal Method:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.7
Facility County:	San Joaquin

I32 **ENXCO** **RCRA-SQG** **1004678379**
South **17401 COMMERCE WAY** **FINDS** **CAR000108316**
1/2-1 **TRACY, CA 95377** **HAZNET**
0.840 mi.
4433 ft. **Site 2 of 3 in cluster I**

Relative:
Higher

Actual:
218 ft.

RCRA-SQG:

Date form received by agency:	10/30/2001
Facility name:	ENXCO
Facility address:	17401 COMMERCE WAY TRACY, CA 95377
EPA ID:	CAR000108316
Contact:	CHRIS DEPRATER
Contact address:	17401 COMMERCE WAY TRACY, CA 95377
Contact country:	US
Contact telephone:	(209) 836-1921
Contact email:	Not reported
EPA Region:	Not reported
Classification:	Small Small Quantity Generator
Description:	Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name:	ENXCO INC
Owner/operator address:	63 665 19TH AVE N PALM SPRINGS, CA 92258
Owner/operator country:	Not reported
Owner/operator telephone:	(760) 329-1437
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No
Used oil Specification marketer:	No
Used oil transfer facility:	No
Used oil transporter:	No

Hazardous Waste Summary:

Waste code:	D001
Waste name:	IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS

ENXCO (Continued) **1004678379**

CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Waste code: D018
Waste name: BENZENE

Waste code: D039
Waste name: TETRACHLOROETHYLENE

Waste code: D040
Waste name: TRICHLOROETHYLENE

Violation Status: No violations found

FINDS:

Registry ID: 110012191644

Environmental Interest/Information System

California Hazardous Waste Tracking System - Datamart (HWTS-DATAMART) provides California with information on hazardous waste shipments for generators, transporters, and treatment, storage, and disposal facilities.

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

HAZNET:

Year: 2005
Gepaid: CAR000108316
Contact: RICK HATFIELD/SAFETY OFFICER
Telephone: 6618236950
Mailing Name: Not reported
Mailing Address: PO BOX 581043
Mailing City,St,Zip: NORTH PALM SPRINGS, CA 922580000
Gen County: San Joaquin
TSD EPA ID: CAT000613968
TSD County: Stanislaus
Waste Category: Aqueous solution with total organic residues less than 10 percent
Disposal Method: Not reported
Tons: 0.08
Facility County: Not reported

Year: 2004
Gepaid: CAR000108316
Contact: RICK HATFIELD/SAFETY OFFICER
Telephone: 6618236950
Mailing Name: Not reported
Mailing Address: PO BOX 581043

ENXCO (Continued) **1004678379**

Mailing City,St,Zip: NORTH PALM SPRINGS, CA 922580000
Gen County: San Joaquin
TSD EPA ID: CAT000613968
TSD County: Stanislaus
Waste Category: Aqueous solution with total organic residues less than 10 percent
Disposal Method: Not reported
Tons: 0.08
Facility County: Not reported

Year: 2003
Gepaid: CAR000108316
Contact: RICK HATFIELD/SAFETY OFFICER
Telephone: 6618236950
Mailing Name: Not reported
Mailing Address: 17401 Commerce Way
Mailing City,St,Zip: Tracy, CA 95377
Gen County: San Joaquin
TSD EPA ID: CAT000613968
TSD County: San Joaquin
Waste Category: Aqueous solution with total organic residues less than 10 percent
Disposal Method: Not reported
Tons: 0.85
Facility County: San Joaquin

Year: 2003
Gepaid: CAR000108316
Contact: RICK HATFIELD/SAFETY OFFICER
Telephone: 6618236950
Mailing Name: Not reported
Mailing Address: 17401 Commerce Way
Mailing City,St,Zip: Tracy, CA 95377
Gen County: San Joaquin
TSD EPA ID: CAT000613968
TSD County: San Joaquin
Waste Category: Aqueous solution with total organic residues less than 10 percent
Disposal Method: Transfer Station
Tons: 0.02
Facility County: San Joaquin

Year: 2002
Gepaid: CAR000108316
Contact: Chris Deprater
Telephone: 2098361921
Mailing Name: Not reported
Mailing Address: 17401 Commerce Way
Mailing City,St,Zip: Tracy, CA 95377
Gen County: San Joaquin
TSD EPA ID: Not reported
TSD County: Sacramento
Waste Category: Not reported
Disposal Method: Transfer Station
Tons: 0.66
Facility County: Not reported

Click this hyperlink while viewing on your computer to access
4 additional CA_HAZNET: record(s) in the EDR Site Report.

I33 **COSTCO WHOLESALE #210** **HAZNET** **S107145875**
South **25701 S CORPORATE CT** **N/A**
1/2-1 **TRACY, CA 95377**
0.848 mi.
4478 ft. **Site 3 of 3 in cluster I**

Relative:
Higher

Actual:
219 ft.

HAZNET:

Year:	2003
Gepaid:	CAL000110604
Contact:	LISA SIMPSON
Telephone:	4253136275
Mailing Name:	ATTN: LICENSING
Mailing Address:	999 LAKE DR
Mailing City,St,Zip:	ISSAQUAH, WA 980275367
Gen County:	San Joaquin
TSD EPA ID:	CAT000613968
TSD County:	San Joaquin
Waste Category:	Aqueous solution with total organic residues less than 10 percent
Disposal Method:	Transfer Station
Tons:	0.07
Facility County:	San Joaquin

J34 **COSTCO C/O 3E COMPANY** **HAZNET** **S111842716**
SSW **25862 SCHULTE CT** **N/A**
1/2-1 **TRACY, CA 95377**
0.859 mi.
4534 ft. **Site 1 of 6 in cluster J**

Relative:
Higher

Actual:
213 ft.

HAZNET:

Year:	2011
Gepaid:	CAC002661372
Contact:	STEVE WOOD
Telephone:	2096276485
Mailing Name:	Not reported
Mailing Address:	1905 ASTON AVE
Mailing City,St,Zip:	CARLSBAD, CA 920087392
Gen County:	Not reported
TSD EPA ID:	CAD008364432
TSD County:	Not reported
Waste Category:	Other organic solids
Disposal Method:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.75
Facility County:	San Joaquin

J35 **COSTCO WHOLESALE - TRACY DEPOT 172** **RMP** **1011820993**
SSW **25862 S. SCHULTE COURT** **N/A**
1/2-1 **TRACY, CA 95376**
0.859 mi.
4534 ft. **Site 2 of 6 in cluster J**

Relative:
Higher

Actual:
213 ft.

Risk Management Plan (RMP) Facility Details:

Facility ID:	46043
LEPC city:	Inland Region 4 LEPC
Facility decimal latitude:	37.719616
Facility decimal longitude:	-121.526474
Is facility in county box:	T
LatLong method:	I4

COSTCO WHOLESALE - TRACY DEPOT 172 (Continued) **1011820993**

LatLong description:	ST
Home page web address:	www.costco.com
Facility telephone:	Not reported
Facility email:	Not reported
Facility DUNS #:	35520639
Parent's name:	Costco Wholesale
Partner's name:	Not reported
Parent's DUNS #:	0
Partner's DUNS #:	0
Operator's name:	Costco Wholesale - Tracy
Operator's telephone:	2098392555
Operator's address:	25862 S. Schulte Court
Operators City,St,Zip:	Tracy, CA 95376 9718
RMP implementation contact:	Joe Melcher
RMP contact title:	Depot Manager
Emergency contact:	Joe Melcher
Emergency contact title:	Depot Manager
Emergency contact telephone:	2098392555
24 hour emergency telephone:	2099146354
Emergency contact ext/pin #:	Not reported
Number of full time employees:	227
EPA ID:	Not reported
Facility ID provided by CEPPO:	100000073706
Is facility covered by OSHA PSM:	T
Is facility covered by EPCRA 302:	T
Is fac. covered by CAA Title V 112(2):	F
Clean air op. permit/State ID:	Not reported
Last safety insp. dat:	6/16/2004
Inspected by:	USDA
Is it OSHA approved with star/merit ranking:	False
Will RMP involve predictive filing:	False
Submission type:	Correction
RMP description:	including Chill only - Depot 172
Facility has no accident hist. recs:	True
Foreign owner's address:	Not reported
Foreign owner's zip:	Not reported
Foreign owner's country:	Not reported
Claim # of employees as CBI:	False
Date RMP accepted by EPA:	7/7/2006
Date of error Report:	Not reported
Date RMP received:	7/5/2006
Does RMP contain graphics files:	False
Does RMP contain attachments:	False
Was certification letter received:	True
RMP submission method:	RMP*Submit
Does RMP contain CBI substantiation:	False
Does RMP contain electronic waiver:	False
Date RMP postmarked:	7/4/2006
Is RMP complete:	True
Date of de-registration:	Not reported
Date de-registration is effective:	Not reported
Aniversary date:	6/17/2009
Does RMP contain CBI data:	False
Does RMP contain unsanitized CBI version:	False
RMP version #:	3.4
FRS latitude:	37.71972
FRS longitude:	-121.526

COSTCO WHOLESALE - TRACY DEPOT 172 (Continued) **1011820993**

FRS Description: STORAGE TANK
FRS Method: INTERPOLATION - DIGITAL MAP SRCE (TIGER)

Process Details:
Process ID: 66626
NA & Industry Classification Sys.code(s): 49312
NAICS code description: Refrigerated Warehousing and Storage Facilities
Optional facility description: Chill Plant #172
Program level: 3
Record contains CBI data: False

Process chemical(s):
Chemical name: Public OCA Chemical
Process chemical qty in 100s lbs: 0
Process flammable chemical name: Not reported

Process Toxic Alt. Releases:
Percent weight of chemical: Not reported
Physical state: c
Analytical basic: EPA's RMP Guidance for Ammonia Refrigeration Reference Tables or Equations
Scenario: Not reported
Quantity released in pounds: Not reported
Release duration in minutes: Not reported
Release rate in pounds per second: Not reported
Wind speed in meters/second: 3
Stability class: D
Topography: b
Distance to endpoint in miles: Not reported
Residential population: Not reported
Public receptors: Not reported
Environmental receptors: Not reported
Passive mitigation: Not reported
Active mitigation: enacting emergency plan

Process Toxics Worst Case:
Percent weight of chemical: Not reported
Physical state: c
Analytical basic: EPA's RMP Guidance for Ammonia Refrigeration Reference Tables or Equations
Scenario: Not reported
Quantity released in pounds: Not reported
Release duration in minutes: 10
Release rate in pounds per second: Not reported
Wind speed in meters/second: 1.5
Stability class: F
Topography: b
Distance to endpoint in miles: Not reported
Residential population: Not reported
Public receptors: Not reported
Environmental receptors: Not reported
Passive mitigation: Enclosures

Process Flammables Alt. Releases:
Endpoint used: Not reported
LFL value: Not reported
Analytical basic: Not reported
Scenario: Not reported
Quantity released in pounds: Not reported
Distance to endpoint in miles: Not reported
Residential population: Not reported

COSTCO WHOLESALE - TRACY DEPOT 172 (Continued) **1011820993**

Public receptors: Not reported
Environmental receptors: Not reported
Passive mitigation: Not reported
Active mitigation: Not reported

Process Flammables Worst Case:
Analytical basic: Not reported
Quantity released in pounds: Not reported
Distance to endpoint in miles: Not reported
Residential population: Not reported
Public receptors: Not reported
Environmental receptors: Not reported
Passive mitigation: Not reported
Safety review date: Not reported
Most recent PHA date: Not reported
Process Hazard Analysis: Not reported
Expected PHA changes completion date: Not reported
Major Hazard: Not reported
Process Control: Not reported
Mitigation Systems: Not reported
Monitoring/Detection: Not reported
Changes since the last process hazard analysis: Not reported
Most recent review of op. procedures: Not reported
Most recent training progs review/update: Not reported
Training: Not reported
Competency testing: Not reported
Most recent maintenance review date: Not reported
Most recent equipment inspection date: Not reported
Equipment tested: Not reported
Most recent changes by mgmt: Not reported
Date of most recent review/update: Not reported
Date of pre-start review: Not reported
Most recent compliance audit date: Not reported
Expected date of audit completion: Not reported
Most recent incident investigation: Not reported
Expected date of investigation changes: Not reported
Date of participation plan review: Not reported
Date of hot work permit review: Not reported
Date of contractor safety review: Not reported
Date of contractor safety eval. review: Not reported
Record has CBI data: Not reported
Safety review date: Not reported
Federal Regulation: Not reported
Federal regulation comment: Not reported
Major Hazard: Not reported
Process Control: Not reported
Mitigation Systems: Not reported
Monitoring/Detection: Not reported
Changes since the last process hazard analysis: Not reported
Most recent hazard review/update: Not reported
Most recent review of op. procedures: Not reported
Most recent training progs review/update: Not reported
Expected completion of review changes: Not reported
Training: Not reported
Competency testing: Not reported
Most recent maintenance review date: Not reported
Most recent equipment inspection date: Not reported
Equipment tested: Not reported

COSTCO WHOLESALE - TRACY DEPOT 172 (Continued) **1011820993**

Most recent compliance audit date: Not reported
Expected date of audit completion: Not reported
Most recent incident investigation: Not reported
Expected date of investigation changes: Not reported
Record has CBI data: Not reported
Date of most recent changes: Not reported
Chemical name: Ammonia (anhydrous)
Process chemical qty in 100s lbs: 22000
Process flammable chemical name: Not reported

Process Toxic Alt. Releases:
Percent weight of chemical: Not reported
Physical state: Not reported
Analytical basic: Not reported
Scenario: Not reported
Quantity released in pounds: Not reported
Release duration in minutes: Not reported
Release rate in pounds per second: Not reported
Wind speed in meters/second: Not reported
Stability class: Not reported
Topography: Not reported
Distance to endpoint in miles: Not reported
Residential population: Not reported
Public receptors: Not reported
Environmental receptors: Not reported
Passive mitigation: Not reported
Active mitigation: Not reported

Process Toxics Worst Case:
Percent weight of chemical: Not reported
Physical state: Not reported
Analytical basic: Not reported
Scenario: Not reported
Quantity released in pounds: Not reported
Release duration in minutes: Not reported
Release rate in pounds per second: Not reported
Wind speed in meters/second: Not reported
Stability class: Not reported
Topography: Not reported
Distance to endpoint in miles: Not reported
Residential population: Not reported
Public receptors: Not reported
Environmental receptors: Not reported
Passive mitigation: Not reported

Process Flammables Alt. Releases:
Endpoint used: Not reported
LFL value: Not reported
Analytical basic: Not reported
Scenario: Not reported
Quantity released in pounds: Not reported
Distance to endpoint in miles: Not reported
Residential population: Not reported
Public receptors: Not reported
Environmental receptors: Not reported
Passive mitigation: Not reported
Active mitigation: Not reported

Process Flammables Worst Case:

COSTCO WHOLESALE - TRACY DEPOT 172 (Continued) **1011820993**

Analytical basic:	Not reported
Quantity released in pounds:	Not reported
Distance to endpoint in miles:	Not reported
Residential population:	Not reported
Public receptors:	Not reported
Environmental receptors:	Not reported
Passive mitigation:	Not reported
Safety review date:	Not reported
Most recent PHA date:	Not reported
Process Hazard Analysis:	Not reported
Expected PHA changes completion date:	Not reported
Major Hazard:	Not reported
Process Control:	Not reported
Mitigation Systems:	Not reported
Monitoring/Detection:	Not reported
Changes since the last process hazard analysis:	Not reported
Most recent review of op. procedures:	Not reported
Most recent training progs review/update:	Not reported
Training:	Not reported
Competency testing:	Not reported
Most recent maintenance review date:	Not reported
Most recent equipment inspection date:	Not reported
Equipment tested:	Not reported
Most recent changes by mgmt:	Not reported
Date of most recent review/update:	Not reported
Date of pre-start review:	Not reported
Most recent compliance audit date:	Not reported
Expected date of audit completion:	Not reported
Most recent incident investigation:	Not reported
Expected date of investigation changes:	Not reported
Date of participation plan review:	Not reported
Date of hot work permit review:	Not reported
Date of contractor safety review:	Not reported
Date of contractor safety eval. review:	Not reported
Record has CBI data:	Not reported
Safety review date:	Not reported
Federal Regulation:	Not reported
Federal regulation comment:	Not reported
Major Hazard:	Not reported
Process Control:	Not reported
Mitigation Systems:	Not reported
Monitoring/Detection:	Not reported
Changes since the last process hazard analysis:	Not reported
Most recent hazard review/update:	Not reported
Most recent review of op. procedures:	Not reported
Most recent training progs review/update:	Not reported
Expected completion of review changes:	Not reported
Training:	Not reported
Competency testing:	Not reported
Most recent maintenance review date:	Not reported
Most recent equipment inspection date:	Not reported
Equipment tested:	Not reported
Most recent compliance audit date:	Not reported
Expected date of audit completion:	Not reported
Most recent incident investigation:	Not reported
Expected date of investigation changes:	Not reported
Record has CBI data:	Not reported

COSTCO WHOLESALE - TRACY DEPOT 172 (Continued) **1011820993**

Date of most recent changes: Not reported

Emergency Response Details:
ER plan: Not reported
ER plan most recent review date: Not reported
ER plan most recent employee training date: Not reported
Local agency coordinating ER plan: Tracy Fire Department
Telephone of the coordinating local agency: 2098314700
Federal regulation: True
OSHA 1910 120: False
SPCC: False
RCRA: False
OPA 90: False
EPCRA: True
Other Regulations: Not reported

Risk Management Plan (RMP) Facility Details:
Facility ID: 1000006803
LEPC city: Inland Region 4 LEPC
Facility decimal latitude: 37.718929
Facility decimal longitude: -121.528992
Is facility in county box: T
LatLong method: I4
LatLong description: ST
Home page web address: www.costco.com
Facility telephone: Not reported
Facility email: Not reported
Facility DUNS #: 35520639
Parent's name: Costco Wholesale
Partner's name: Not reported
Parent's DUNS #: 0
Partner's DUNS #: 0
Operator's name: Costco Wholesale - Tracy
Operator's telephone: 2098392555
Operator's address: 25862 S. Schulte Court
Operators City,St,Zip: Tracy, CA 95377 8643
RMP implementation contact: Joe Melcher
RMP contact title: Depot Manager
Emergency contact: Joe Melcher
Emergency contact title: Depot Manager
Emergency contact telephone: 2098392555
24 hour emergency telephone: 2099146354
Emergency contact ext/pin #: Not reported
Number of full time employees: 105
EPA ID: Not reported
Facility ID provided by CEPPO: 100000073706
Is facility covered by OSHA PSM: T
Is facility covered by EPCRA 302: T
Is fac. covered by CAA Title V 112(2): F
Clean air op. permit/State ID: Not reported
Last safety insp. dat: 1/14/2008
Inspected by: Tracy Fire Department
Is it OSHA approved with star/merit ranking: False
Will RMP involve predictive filing: False
Submission type: Resubmission
RMP description: Not reported
Facility has no accident hist. recs: False

COSTCO WHOLESALE - TRACY DEPOT 172 (Continued) **1011820993**

Foreign owner's address:	Not reported
Foreign owner's zip:	Not reported
Foreign owner's country:	Not reported
Claim # of employees as CBI:	False
Date RMP accepted by EPA:	6/16/2009
Date of error Report:	Not reported
Date RMP received:	6/16/2009
Does RMP contain graphics files:	False
Does RMP contain attachments:	False
Was certification letter received:	True
RMP submission method:	RMP*eSubmit
Does RMP contain CBI substantiation:	False
Does RMP contain electronic waiver:	False
Date RMP postmarked:	6/16/2009
Is RMP complete:	True
Date of de-registration:	Not reported
Date de-registration is effective:	Not reported
Aniversary date:	6/16/2014
Does RMP contain CBI data:	False
Does RMP contain unsanitized CBI version:	False
RMP version #:	1.0
FRS latitude:	37.71972
FRS longitude:	-121.526
FRS Description:	STORAGE TANK
FRS Method:	INTERPOLATION - DIGITAL MAP SRCE (TIGER)

Process Details:

Process ID:	1000007971
NA & Industry Classification Sys.code(s):	49312
NAICS code description:	Refrigerated Warehousing and Storage Facilities
Optional facility description:	Chill Plant #172
Program level:	3
Record contains CBI data:	False

Process chemical(s):

Chemical name:	Ammonia (anhydrous)
Process chemical qty in 100s lbs:	22000
Process flammable chemical name:	Not reported

Process Toxic Alt. Releases:

Percent weight of chemical:	Not reported
Physical state:	Not reported
Analytical basic:	Not reported
Scenario:	Not reported
Quantity released in pounds:	Not reported
Release duration in minutes:	Not reported
Release rate in pounds per second:	Not reported
Wind speed in meters/second:	Not reported
Stability class:	Not reported
Topography:	Not reported
Distance to endpoint in miles:	Not reported
Residential population:	Not reported
Public receptors:	Not reported
Environmental receptors:	Not reported
Passive mitigation:	Not reported
Active mitigation:	Not reported

Process Toxics Worst Case:

COSTCO WHOLESALE - TRACY DEPOT 172 (Continued) **1011820993**

Percent weight of chemical: Not reported
Physical state: Not reported
Analytical basic: Not reported
Scenario: Not reported
Quantity released in pounds: Not reported
Release duration in minutes: Not reported
Release rate in pounds per second: Not reported
Wind speed in meters/second: Not reported
Stability class: Not reported
Topography: Not reported
Distance to endpoint in miles: Not reported
Residential population: Not reported
Public receptors: Not reported
Environmental receptors: Not reported
Passive mitigation: Not reported

Process Flammables Alt. Releases:
Endpoint used: Not reported
LFL value: Not reported
Analytical basic: Not reported
Scenario: Not reported
Quantity released in pounds: Not reported
Distance to endpoint in miles: Not reported
Residential population: Not reported
Public receptors: Not reported
Environmental receptors: Not reported
Passive mitigation: Not reported
Active mitigation: Not reported

Process Flammables Worst Case:
Analytical basic: Not reported
Quantity released in pounds: Not reported
Distance to endpoint in miles: Not reported
Residential population: Not reported
Public receptors: Not reported
Environmental receptors: Not reported
Passive mitigation: Not reported
Safety review date: Not reported
Most recent PHA date: Not reported
Process Hazard Analysis: Not reported
Expected PHA changes completion date: Not reported
Major Hazard: Not reported
Process Control: Not reported
Mitigation Systems: Not reported
Monitoring/Detection: Not reported
Changes since the last process hazard analysis: Not reported
Most recent review of op. procedures: Not reported
Most recent training progs review/update: Not reported
Training: Not reported
Competency testing: Not reported
Most recent maintenance review date: Not reported
Most recent equipment inspection date: Not reported
Equipment tested: Not reported
Most recent changes by mgmt: Not reported
Date of most recent review/update: Not reported
Date of pre-start review: Not reported
Most recent compliance audit date: Not reported
Expected date of audit completion: Not reported

COSTCO WHOLESALE - TRACY DEPOT 172 (Continued) **1011820993**

Most recent incident investigation: Not reported
Expected date of investigation changes: Not reported
Date of participation plan review: Not reported
Date of hot work permit review: Not reported
Date of contractor safety review: Not reported
Date of contractor safety eval. review: Not reported
Record has CBI data: Not reported
Safety review date: Not reported
Federal Regulation: Not reported
Federal regulation comment: Not reported
Major Hazard: Not reported
Process Control: Not reported
Mitigation Systems: Not reported
Monitoring/Detection: Not reported
Changes since the last process hazard analysis: Not reported
Most recent hazard review/update: Not reported
Most recent review of op. procedures: Not reported
Most recent training progs review/update: Not reported
Expected completion of review changes: Not reported
Training: Not reported
Competency testing: Not reported
Most recent maintenance review date: Not reported
Most recent equipment inspection date: Not reported
Equipment tested: Not reported
Most recent compliance audit date: Not reported
Expected date of audit completion: Not reported
Most recent incident investigation: Not reported
Expected date of investigation changes: Not reported
Record has CBI data: Not reported
Date of most recent changes: Not reported
Chemical name: Public OCA Chemical
Process chemical qty in 100s lbs: 0
Process flammable chemical name: Not reported

Process Toxic Alt. Releases:
Percent weight of chemical: Not reported
Physical state: c
Analytical basic: EPA’s RMP Guidance for Ammonia Refrigeration Reference Tables or Equations
Scenario: Not reported
Quantity released in pounds: Not reported
Release duration in minutes: Not reported
Release rate in pounds per second: Not reported
Wind speed in meters/second: 3
Stability class: D
Topography: b
Distance to endpoint in miles: Not reported
Residential population: Not reported
Public receptors: Not reported
Environmental receptors: Not reported
Passive mitigation: Not reported
Active mitigation: enacting emergency plan

Process Toxics Worst Case:
Percent weight of chemical: Not reported
Physical state: c
Analytical basic: EPA’s RMP Guidance for Ammonia Refrigeration Reference Tables or Equations
Scenario: Not reported
Quantity released in pounds: Not reported

COSTCO WHOLESALE - TRACY DEPOT 172 (Continued) **1011820993**

Release duration in minutes: 10
Release rate in pounds per second: Not reported
Wind speed in meters/second: 1.5
Stability class: F
Topography: b
Distance to endpoint in miles: Not reported
Residential population: Not reported
Public receptors: Not reported
Environmental receptors: Not reported
Passive mitigation: Enclosures

Process Flammables Alt. Releases:
Endpoint used: Not reported
LFL value: Not reported
Analytical basic: Not reported
Scenario: Not reported
Quantity released in pounds: Not reported
Distance to endpoint in miles: Not reported
Residential population: Not reported
Public receptors: Not reported
Environmental receptors: Not reported
Passive mitigation: Not reported
Active mitigation: Not reported

Process Flammables Worst Case:
Analytical basic: Not reported
Quantity released in pounds: Not reported
Distance to endpoint in miles: Not reported
Residential population: Not reported
Public receptors: Not reported
Environmental receptors: Not reported
Passive mitigation: Not reported
Safety review date: Not reported
Most recent PHA date: Not reported
Process Hazard Analysis: Not reported
Expected PHA changes completion date: Not reported
Major Hazard: Not reported
Process Control: Not reported
Mitigation Systems: Not reported
Monitoring/Detection: Not reported
Changes since the last process hazard analysis: Not reported
Most recent review of op. procedures: Not reported
Most recent training progs review/update: Not reported
Training: Not reported
Competency testing: Not reported
Most recent maintenance review date: Not reported
Most recent equipment inspection date: Not reported
Equipment tested: Not reported
Most recent changes by mgmt: Not reported
Date of most recent review/update: Not reported
Date of pre-start review: Not reported
Most recent compliance audit date: Not reported
Expected date of audit completion: Not reported
Most recent incident investigation: Not reported
Expected date of investigation changes: Not reported
Date of participation plan review: Not reported
Date of hot work permit review: Not reported
Date of contractor safety review: Not reported

COSTCO WHOLESALE - TRACY DEPOT 172 (Continued) **1011820993**

Date of contractor safety eval. review:	Not reported
Record has CBI data:	Not reported
Safety review date:	Not reported
Federal Regulation:	Not reported
Federal regulation comment:	Not reported
Major Hazard:	Not reported
Process Control:	Not reported
Mitigation Systems:	Not reported
Monitoring/Detection:	Not reported
Changes since the last process hazard analysis:	Not reported
Most recent hazard review/update:	Not reported
Most recent review of op. procedures:	Not reported
Most recent training progs review/update:	Not reported
Expected completion of review changes:	Not reported
Training:	Not reported
Competency testing:	Not reported
Most recent maintenance review date:	Not reported
Most recent equipment inspection date:	Not reported
Equipment tested:	Not reported
Most recent compliance audit date:	Not reported
Expected date of audit completion:	Not reported
Most recent incident investigation:	Not reported
Expected date of investigation changes:	Not reported
Record has CBI data:	Not reported
Date of most recent changes:	Not reported

Emergency Response Details:

ER plan:	Not reported
ER plan most recent review date:	Not reported
ER plan most recent employee training date:	Not reported
Local agency coordinating ER plan:	Tracy Fire Department
Telephone of the coordinating local agency:	2098314700
Federal regulation:	True
OSHA 1910 120:	False
SPCC:	False
RCRA:	False
OPA 90:	False
EPCRA:	True
Other Regulations:	Not reported

J36 **COSTCO WHOLESALE 179** **HAZNET** **S108203756**
SSW **25862 S SCHULTE CT** **N/A**
1/2-1 **TRACY, CA 95377**
0.859 mi.
4534 ft. **Site 3 of 6 in cluster J**

Relative:
Higher

Actual:
213 ft.

HAZNET:

Year:	2010
Gepaid:	CAR000208777
Contact:	LISA SIMPSON
Telephone:	4253136275
Mailing Name:	Not reported
Mailing Address:	999 LAKE DR
Mailing City,St,Zip:	ISSAQUAH, WA 980270000
Gen County:	Not reported
TSD EPA ID:	CAD028409019
TSD County:	Not reported
Waste Category:	Unspecified solvent mixture

COSTCO WHOLESALE 179 (Continued) **S108203756**

Disposal Method:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.018
Facility County:	San Joaquin
Year:	2010
Gepaid:	CAR000208777
Contact:	LISA SIMPSON
Telephone:	4253136275
Mailing Name:	Not reported
Mailing Address:	999 LAKE DR
Mailing City,St,Zip:	ISSAQUAH, WA 980270000
Gen County:	Not reported
TSD EPA ID:	NVD982358483
TSD County:	Not reported
Waste Category:	Unspecified oil-containing waste
Disposal Method:	Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Tons:	0.10008
Facility County:	San Joaquin
Year:	2004
Gepaid:	CAP000007811
Contact:	KEVIN CLARKE
Telephone:	2098392586
Mailing Name:	Not reported
Mailing Address:	25862 S SCHULTE CT
Mailing City,St,Zip:	TRACY, CA 95376
Gen County:	San Joaquin
TSD EPA ID:	CAD028409019
TSD County:	Los Angeles
Waste Category:	Aqueous solution with total organic residues less than 10 percent
Disposal Method:	Transfer Station
Tons:	0.22
Facility County:	Not reported

J37 **COSTCO WHOLESALE 179** **FINDS** **1014676493**
SSW **25862 S SCHULTE CT** **N/A**
1/2-1 **TRACY, CA 95377**
0.859 mi.
4534 ft. **Site 4 of 6 in cluster J**

Relative:
Higher

Actual:
213 ft.

FINDS:

Registry ID: 110041656883

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

J38 **COSTCO WHOLESALE 179** **RCRA-SQG** **1014387368**
SSW **25862 S SCHULTE CT** **CAR000208777**
1/2-1 **TRACY, CA 95377**
0.859 mi.
4534 ft. **Site 5 of 6 in cluster J**

Relative:
Higher

Actual:
213 ft.

RCRA-SQG:

Date form received by agency:	06/02/2010
Facility name:	COSTCO WHOLESALE 179
Facility address:	25862 S SCHULTE CT TRACY, CA 95377
EPA ID:	CAR000208777
Mailing address:	999 LAKE DR ISSAQUAH, WA 98027
Contact:	LISA SIMPSON
Contact address:	999 LAKE DR ISSAQUAH, WA 98027
Contact country:	US
Contact telephone:	425-313-6275
Contact email:	LSIMPSON@COSTCO.COM
EPA Region:	Not reported
Classification:	Small Small Quantity Generator
Description:	Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name:	COSTCO WHOLESALE CORP
Owner/operator address:	999 LAKE DR ISSAQUAH, WA 98027
Owner/operator country:	US
Owner/operator telephone:	425-313-8100
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	03/01/1991
Owner/Op end date:	Not reported
Owner/operator name:	BRYAN ABERNATHY
Owner/operator address:	Not reported Not reported
Owner/operator country:	US
Owner/operator telephone:	Not reported
Legal status:	Private
Owner/Operator Type:	Operator
Owner/Op start date:	07/15/2006
Owner/Op end date:	Not reported

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No

COSTCO WHOLESALE 179 (Continued) **1014387368**

Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No
Used oil Specification marketer:	No
Used oil transfer facility:	No
Used oil transporter:	No

Universal Waste Summary:

Waste type:	Batteries
Accumulated waste on-site:	No
Generated waste on-site:	Not reported
Waste type:	Lamps
Accumulated waste on-site:	No
Generated waste on-site:	Not reported
Waste type:	Pesticides
Accumulated waste on-site:	No
Generated waste on-site:	Not reported
Waste type:	Thermostats
Accumulated waste on-site:	No
Generated waste on-site:	Not reported

Hazardous Waste Summary:

Waste code:	D001
Waste name:	IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.
Violation Status:	No violations found

J39 **CHMIRS** **S107449457**
SSW **25862 S. SCHULTE COURT** **N/A**
1/2-1 **TRACY, CA 95376**
0.861 mi.
4547 ft. **Site 6 of 6 in cluster J**

Relative:
Higher

Actual:
213 ft.

CHMIRS:

OES Incident Number:	04-2899
OES notification:	6/2/200402:21:37 PM
OES Date:	Not reported
OES Time:	Not reported
Incident Date:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported

(Continued) **S107449457**

Special Studies 1:	Not reported
Special Studies 2:	Not reported
Special Studies 3:	Not reported
Special Studies 4:	Not reported
Special Studies 5:	Not reported
Special Studies 6:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA/DOT/PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Comments:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	Not reported
Waterway:	Not reported
Spill Site:	Not reported
Cleanup By:	Contractor
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	2004
Agency:	Costco Wholesale
Incident Date:	6/2/200412:00:00 AM
Admin Agency:	San Joaquin County Emergency Services
Amount:	Not reported
Contained:	Yes
Site Type:	Merchant/Business
E Date:	Not reported
Substance:	diesel fuel
Quantity Released:	Not reported
BBLS:	0
Cups:	0
CUFT:	0
Gallons:	100
Grams:	0
Pounds:	0
Liters:	0
Ounces:	0
Pints:	0
Quarts:	0
Sheen:	0
Tons:	0
Unknown:	0
Evacuations:	0

(Continued) **S107449457**

Number of Injuries: 0
Number of Fatalities: 0
Description: Ruptured fuel tank.

K40 **COSTCO WHOLESALE - MEATS #210** **UST** **U004023643**
SW **17880 W SCHULTE RD** **N/A**
1/2-1 **TRACY, CA 95376**
0.862 mi.
4551 ft. **Site 1 of 4 in cluster K**

Relative:
Higher

Actual:
223 ft.

UST SAN JOAQUIN:
Region: SJ
Facility Id: FA0010273
Mail Address: PO BOX 35005
Mail Care of: LICENSING
Mail City,St,Zip: SEATTLE, WA 981243405

Tank Rec ID: TA0515778
Tank Number: 1
Tank Status: INACTIVE
Tank Capacity: 25000
Product Code/Type: 09/OTHER
Program Element: 2322

Tank Rec ID: TA0515779
Tank Number: 2
Tank Status: INACTIVE
Tank Capacity: 25000
Product Code/Type: 09/OTHER
Program Element: 2322

K41 **COSTCO WHOLESALE MEAT PLANT - TRACY** **RMP** **1011820996**
SW **17880 WEST SCHULTE ROAD** **N/A**
1/2-1 **TRACY, CA 95377**
0.868 mi.
4581 ft. **Site 2 of 4 in cluster K**

Relative:
Higher

Actual:
223 ft.

Risk Management Plan (RMP) Facility Details:
Facility ID: 1000012424
LEPC city: Inland Region 4 LEPC
Facility decimal latitude: 37.720819
Facility decimal longitude: -121.530144
Is facility in county box: T
LatLong method: I4
LatLong description: CE
Home page web address: www.costco.com
Facility telephone: 2092216200
Facility email: Not reported
Facility DUNS #: 35520639
Parent's name: Costco Wholesale Corporation
Partner's name: Not reported
Parent's DUNS #: 0
Partner's DUNS #: 0
Operator's name: Costco Wholesale Meat Plant - Tracy
Operator's telephone: 2092216200

COSTCO WHOLESALE MEAT PLANT - TRACY (Continued) **1011820996**

Operator's address: 17880 West Schulte Road
Operators City,St,Zip: Tracy, CA 95377 8909
RMP implementation contact: Kevin Smith
RMP contact title: Assistant Vice President
Emergency contact: Liam Nestler
Emergency contact title: Maintenance Manager
Emergency contact telephone: 2092216200
24 hour emergency telephone: 2097655223
Emergency contact ext/pin #: Not reported
Number of full time employees: 200
EPA ID: Not reported
Facility ID provided by CEPPO: 100000190367
Is facility covered by OSHA PSM: T
Is facility covered by EPCRA 302: T
Is fac. covered by CAA Title V 112(2): F
Clean air op. permit/State ID: Not reported
Last safety insp. dat: 12/17/2009
Inspected by: County Office of Emergency Services
Is it OSHA approved with star/merit ranking: False
Will RMP involve predictive filing: False
Submission type: Resubmission
RMP description: Not reported
Facility has no accident hist. recs: False
Foreign owner's address: Not reported
Foreign owner's zip: Not reported
Foreign owner's country: Not reported
Claim # of employees as CBI: False
Date RMP accepted by EPA: 2/16/2010
Date of error Report: Not reported
Date RMP received: 2/16/2010
Does RMP contain graphics files: False
Does RMP contain attachments: False
Was certification letter received: True
RMP submission method: RMP*eSubmit
Does RMP contain CBI substantiation: False
Does RMP contain electronic waiver: False
Date RMP postmarked: 2/16/2010
Is RMP complete: True
Date of de-registration: Not reported
Date de-registration is effective: Not reported
Aniversary date: 2/16/2015
Does RMP contain CBI data: False
Does RMP contain unsanitized CBI version: False
RMP version #: 1.0
FRS latitude: Not reported
FRS longitude: Not reported
FRS Description: Not reported
FRS Method: Not reported

Process Details:
Process ID: 1000015405
NA & Industry Classification Sys.code(s): 49312
NAICS code description: Refrigerated Warehousing and Storage Facilities
NA & Industry Classification Sys.code(s): 31199
NAICS code description: All Other Food Manufacturing
Optional facility description: Ammonia Refrigeration
Program level: 3

COSTCO WHOLESALE MEAT PLANT - TRACY (Continued) **1011820996**

Record contains CBI data: False

Process chemical(s):
Chemical name: Ammonia (anhydrous)
Process chemical qty in 100s lbs: 40000
Process flammable chemical name: Not reported

Process Toxic Alt. Releases:
Percent weight of chemical: Not reported
Physical state: Not reported
Analytical basic: Not reported
Scenario: Not reported
Quantity released in pounds: Not reported
Release duration in minutes: Not reported
Release rate in pounds per second: Not reported
Wind speed in meters/second: Not reported
Stability class: Not reported
Topography: Not reported
Distance to endpoint in miles: Not reported
Residential population: Not reported
Public receptors: Not reported
Environmental receptors: Not reported
Passive mitigation: Not reported
Active mitigation: Not reported

Process Toxics Worst Case:
Percent weight of chemical: Not reported
Physical state: Not reported
Analytical basic: Not reported
Scenario: Not reported
Quantity released in pounds: Not reported
Release duration in minutes: Not reported
Release rate in pounds per second: Not reported
Wind speed in meters/second: Not reported
Stability class: Not reported
Topography: Not reported
Distance to endpoint in miles: Not reported
Residential population: Not reported
Public receptors: Not reported
Environmental receptors: Not reported
Passive mitigation: Not reported

Process Flammables Alt. Releases:
Endpoint used: Not reported
LFL value: Not reported
Analytical basic: Not reported
Scenario: Not reported
Quantity released in pounds: Not reported
Distance to endpoint in miles: Not reported
Residential population: Not reported
Public receptors: Not reported
Environmental receptors: Not reported
Passive mitigation: Not reported
Active mitigation: Not reported

Process Flammables Worst Case:
Analytical basic: Not reported
Quantity released in pounds: Not reported
Distance to endpoint in miles: Not reported
Residential population: Not reported

COSTCO WHOLESALE MEAT PLANT - TRACY (Continued) **1011820996**

Public receptors:	Not reported
Environmental receptors:	Not reported
Passive mitigation:	Not reported
Safety review date:	Not reported
Most recent PHA date:	Not reported
Process Hazard Analysis:	Not reported
Expected PHA changes completion date:	Not reported
Major Hazard:	Not reported
Process Control:	Not reported
Mitigation Systems:	Not reported
Monitoring/Detection:	Not reported
Changes since the last process hazard analysis:	Not reported
Most recent review of op. procedures:	Not reported
Most recent training progs review/update:	Not reported
Training:	Not reported
Competency testing:	Not reported
Most recent maintenance review date:	Not reported
Most recent equipment inspection date:	Not reported
Equipment tested:	Not reported
Most recent changes by mgmt:	Not reported
Date of most recent review/update:	Not reported
Date of pre-start review:	Not reported
Most recent compliance audit date:	Not reported
Expected date of audit completion:	Not reported
Most recent incident investigation:	Not reported
Expected date of investigation changes:	Not reported
Date of participation plan review:	Not reported
Date of hot work permit review:	Not reported
Date of contractor safety review:	Not reported
Date of contractor safety eval. review:	Not reported
Record has CBI data:	Not reported
Safety review date:	Not reported
Federal Regulation:	Not reported
Federal regulation comment:	Not reported
Major Hazard:	Not reported
Process Control:	Not reported
Mitigation Systems:	Not reported
Monitoring/Detection:	Not reported
Changes since the last process hazard analysis:	Not reported
Most recent hazard review/update:	Not reported
Most recent review of op. procedures:	Not reported
Most recent training progs review/update:	Not reported
Expected completion of review changes:	Not reported
Training:	Not reported
Competency testing:	Not reported
Most recent maintenance review date:	Not reported
Most recent equipment inspection date:	Not reported
Equipment tested:	Not reported
Most recent compliance audit date:	Not reported
Expected date of audit completion:	Not reported
Most recent incident investigation:	Not reported
Expected date of investigation changes:	Not reported
Record has CBI data:	Not reported
Date of most recent changes:	Not reported
Chemical name:	Public OCA Chemical
Process chemical qty in 100s lbs:	0
Process flammable chemical name:	Not reported

COSTCO WHOLESALE MEAT PLANT - TRACY (Continued) **1011820996**

Process Toxic Alt. Releases:
- Percent weight of chemical: Not reported
- Physical state: b
- Analytical basic: EPA's RMP Guidance for Chemical Accident Prevention Reference Tables or Equations (April 2004)
- Scenario: Not reported
- Quantity released in pounds: Not reported
- Release duration in minutes: Not reported
- Release rate in pounds per second: Not reported
- Wind speed in meters/second: 3
- Stability class: D
- Topography: b
- Distance to endpoint in miles: Not reported
- Residential population: Not reported
- Public receptors: Not reported
- Environmental receptors: Not reported
- Passive mitigation: Not reported
- Active mitigation: Not reported

Process Toxics Worst Case:
- Percent weight of chemical: Not reported
- Physical state: c
- Analytical basic: EPA's RMP Guidance for Chemical Accident Prevention Reference Tables or Equations (April 2004)
- Scenario: Not reported
- Quantity released in pounds: Not reported
- Release duration in minutes: 10
- Release rate in pounds per second: Not reported
- Wind speed in meters/second: 1.5
- Stability class: F
- Topography: b
- Distance to endpoint in miles: Not reported
- Residential population: Not reported
- Public receptors: Not reported
- Environmental receptors: Not reported
- Passive mitigation: Enclosures

Process Flammables Alt. Releases:
- Endpoint used: Not reported
- LFL value: Not reported
- Analytical basic: Not reported
- Scenario: Not reported
- Quantity released in pounds: Not reported
- Distance to endpoint in miles: Not reported
- Residential population: Not reported
- Public receptors: Not reported
- Environmental receptors: Not reported
- Passive mitigation: Not reported
- Active mitigation: Not reported

Process Flammables Worst Case:
- Analytical basic: Not reported
- Quantity released in pounds: Not reported
- Distance to endpoint in miles: Not reported
- Residential population: Not reported
- Public receptors: Not reported
- Environmental receptors: Not reported
- Passive mitigation: Not reported
- Safety review date: Not reported
- Most recent PHA date: Not reported

COSTCO WHOLESALE MEAT PLANT - TRACY (Continued) **1011820996**

Process Hazard Analysis:	Not reported
Expected PHA changes completion date:	Not reported
Major Hazard:	Not reported
Process Control:	Not reported
Mitigation Systems:	Not reported
Monitoring/Detection:	Not reported
Changes since the last process hazard analysis:	Not reported
Most recent review of op. procedures:	Not reported
Most recent training progs review/update:	Not reported
Training:	Not reported
Competency testing:	Not reported
Most recent maintenance review date:	Not reported
Most recent equipment inspection date:	Not reported
Equipment tested:	Not reported
Most recent changes by mgmt:	Not reported
Date of most recent review/update:	Not reported
Date of pre-start review:	Not reported
Most recent compliance audit date:	Not reported
Expected date of audit completion:	Not reported
Most recent incident investigation:	Not reported
Expected date of investigation changes:	Not reported
Date of participation plan review:	Not reported
Date of hot work permit review:	Not reported
Date of contractor safety review:	Not reported
Date of contractor safety eval. review:	Not reported
Record has CBI data:	Not reported
Safety review date:	Not reported
Federal Regulation:	Not reported
Federal regulation comment:	Not reported
Major Hazard:	Not reported
Process Control:	Not reported
Mitigation Systems:	Not reported
Monitoring/Detection:	Not reported
Changes since the last process hazard analysis:	Not reported
Most recent hazard review/update:	Not reported
Most recent review of op. procedures:	Not reported
Most recent training progs review/update:	Not reported
Expected completion of review changes:	Not reported
Training:	Not reported
Competency testing:	Not reported
Most recent maintenance review date:	Not reported
Most recent equipment inspection date:	Not reported
Equipment tested:	Not reported
Most recent compliance audit date:	Not reported
Expected date of audit completion:	Not reported
Most recent incident investigation:	Not reported
Expected date of investigation changes:	Not reported
Record has CBI data:	Not reported
Date of most recent changes:	Not reported

Emergency Response Details:

ER plan:	Not reported
ER plan most recent review date:	Not reported
ER plan most recent employee training date:	Not reported
Local agency coordinating ER plan:	San Joaquin County OES
Telephone of the coordinating local agency:	2094683969
Federal regulation:	True
OSHA 1910 120:	False

COSTCO WHOLESALE MEAT PLANT - TRACY (Continued) **1011820996**

SPCC:	False
RCRA:	False
OPA 90:	False
EPCRA:	True
Other Regulations:	Not reported

Risk Management Plan (RMP) Facility Details:

Facility ID:	41745
LEPC city:	Inland Region 4 LEPC
Facility decimal latitude:	37.171111
Facility decimal longitude:	-121.524429
Is facility in county box:	F
LatLong method:	I4
LatLong description:	CE
Home page web address:	www.costco.com
Facility telephone:	2092216200
Facility email:	Not reported
Facility DUNS #:	35520639
Parent's name:	Costco Wholesale Corporation
Partner's name:	Not reported
Parent's DUNS #:	0
Partner's DUNS #:	0
Operator's name:	Costco Wholesale Meat Plant - Tracy
Operator's telephone:	2092216200
Operator's address:	17880 West Schulte Road
Operators City,St,Zip:	Tracy, CA 95377
RMP implementation contact:	Kevin Smith
RMP contact title:	Assistant Vice President
Emergency contact:	Liam Nestler
Emergency contact title:	Maintenance Manager
Emergency contact telephone:	2092216200
24 hour emergency telephone:	2097655223
Emergency contact ext/pin #:	Not reported
Number of full time employees:	150
EPA ID:	Not reported
Facility ID provided by CEPPO:	100000190367
Is facility covered by OSHA PSM:	T
Is facility covered by EPCRA 302:	T
Is fac. covered by CAA Title V 112(2):	F
Clean air op. permit/State ID:	Not reported
Last safety insp. dat:	12/29/2004
Inspected by:	Fire Department
Is it OSHA approved with star/merit ranking:	False
Will RMP involve predictive filing:	False
Submission type:	First Time
RMP description:	Not reported
Facility has no accident hist. recs:	True
Foreign owner's address:	Not reported
Foreign owner's zip:	Not reported
Foreign owner's country:	Not reported
Claim # of employees as CBI:	False
Date RMP accepted by EPA:	1/13/2005
Date of error Report:	Not reported
Date RMP received:	1/11/2005
Does RMP contain graphics files:	False
Does RMP contain attachments:	False
Was certification letter received:	True

COSTCO WHOLESALE MEAT PLANT - TRACY (Continued) **1011820996**

RMP submission method: RMP*Submit
Does RMP contain CBI substantiation: False
Does RMP contain electronic waiver: False
Date RMP postmarked: 1/9/2005
Is RMP complete: True
Date of de-registration: Not reported
Date de-registration is effective: Not reported
Aniversary date: 1/9/2010
Does RMP contain CBI data: False
Does RMP contain unsanitized CBI version: False
RMP version #: 3.3
FRS latitude: Not reported
FRS longitude: Not reported
FRS Description: Not reported
FRS Method: Not reported

Process Details:
Process ID: 59966
NA & Industry Classification Sys.code(s): 49312
NAICS code description: Refrigerated Warehousing and Storage Facilities
NA & Industry Classification Sys.code(s): 31199
NAICS code description: All Other Food Manufacturing
Optional facility description: Ammonia Refrigeration
Program level: 3
Record contains CBI data: False

Process chemical(s):
Chemical name: Public OCA Chemical
Process chemical qty in 100s lbs: 0
Process flammable chemical name: Not reported

Process Toxic Alt. Releases:
Percent weight of chemical: Not reported
Physical state: b
Analytical basic: EPA's RMP Guidance for Chemical Accident Prevention Reference Tables or Equations (April 2004)
Scenario: Not reported
Quantity released in pounds: Not reported
Release duration in minutes: Not reported
Release rate in pounds per second: Not reported
Wind speed in meters/second: 3
Stability class: D
Topography: b
Distance to endpoint in miles: Not reported
Residential population: Not reported
Public receptors: Not reported
Environmental receptors: Not reported
Passive mitigation: Not reported
Active mitigation: Not reported

Process Toxics Worst Case:
Percent weight of chemical: Not reported
Physical state: c
Analytical basic: EPA's RMP Guidance for Chemical Accident Prevention Reference Tables or Equations (April 2004)
Scenario: Not reported
Quantity released in pounds: Not reported
Release duration in minutes: 10
Release rate in pounds per second: Not reported
Wind speed in meters/second: 1.5

COSTCO WHOLESALE MEAT PLANT - TRACY (Continued) **1011820996**

Stability class: F
Topography: b
Distance to endpoint in miles: Not reported
Residential population: Not reported
Public receptors: Not reported
Environmental receptors: Not reported
Passive mitigation: Enclosures

Process Flammables Alt. Releases:
Endpoint used: Not reported
LFL value: Not reported
Analytical basic: Not reported
Scenario: Not reported
Quantity released in pounds: Not reported
Distance to endpoint in miles: Not reported
Residential population: Not reported
Public receptors: Not reported
Environmental receptors: Not reported
Passive mitigation: Not reported
Active mitigation: Not reported

Process Flammables Worst Case:
Analytical basic: Not reported
Quantity released in pounds: Not reported
Distance to endpoint in miles: Not reported
Residential population: Not reported
Public receptors: Not reported
Environmental receptors: Not reported
Passive mitigation: Not reported
Safety review date: Not reported
Most recent PHA date: Not reported
Process Hazard Analysis: Not reported
Expected PHA changes completion date: Not reported
Major Hazard: Not reported
Process Control: Not reported
Mitigation Systems: Not reported
Monitoring/Detection: Not reported
Changes since the last process hazard analysis: Not reported
Most recent review of op. procedures: Not reported
Most recent training progs review/update: Not reported
Training: Not reported
Competency testing: Not reported
Most recent maintenance review date: Not reported
Most recent equipment inspection date: Not reported
Equipment tested: Not reported
Most recent changes by mgmt: Not reported
Date of most recent review/update: Not reported
Date of pre-start review: Not reported
Most recent compliance audit date: Not reported
Expected date of audit completion: Not reported
Most recent incident investigation: Not reported
Expected date of investigation changes: Not reported
Date of participation plan review: Not reported
Date of hot work permit review: Not reported
Date of contractor safety review: Not reported
Date of contractor safety eval. review: Not reported
Record has CBI data: Not reported
Safety review date: Not reported

COSTCO WHOLESALE MEAT PLANT - TRACY (Continued) **1011820996**

Federal Regulation: Not reported
Federal regulation comment: Not reported
Major Hazard: Not reported
Process Control: Not reported
Mitigation Systems: Not reported
Monitoring/Detection: Not reported
Changes since the last process hazard analysis: Not reported
Most recent hazard review/update: Not reported
Most recent review of op. procedures: Not reported
Most recent training progs review/update: Not reported
Expected completion of review changes: Not reported
Training: Not reported
Competency testing: Not reported
Most recent maintenance review date: Not reported
Most recent equipment inspection date: Not reported
Equipment tested: Not reported
Most recent compliance audit date: Not reported
Expected date of audit completion: Not reported
Most recent incident investigation: Not reported
Expected date of investigation changes: Not reported
Record has CBI data: Not reported
Date of most recent changes: Not reported
Chemical name: Ammonia (anhydrous)
Process chemical qty in 100s lbs: 40000
Process flammable chemical name: Not reported

Process Toxic Alt. Releases:
Percent weight of chemical: Not reported
Physical state: Not reported
Analytical basic: Not reported
Scenario: Not reported
Quantity released in pounds: Not reported
Release duration in minutes: Not reported
Release rate in pounds per second: Not reported
Wind speed in meters/second: Not reported
Stability class: Not reported
Topography: Not reported
Distance to endpoint in miles: Not reported
Residential population: Not reported
Public receptors: Not reported
Environmental receptors: Not reported
Passive mitigation: Not reported
Active mitigation: Not reported

Process Toxics Worst Case:
Percent weight of chemical: Not reported
Physical state: Not reported
Analytical basic: Not reported
Scenario: Not reported
Quantity released in pounds: Not reported
Release duration in minutes: Not reported
Release rate in pounds per second: Not reported
Wind speed in meters/second: Not reported
Stability class: Not reported
Topography: Not reported
Distance to endpoint in miles: Not reported
Residential population: Not reported
Public receptors: Not reported

COSTCO WHOLESALE MEAT PLANT - TRACY (Continued) **1011820996**

Environmental receptors: Not reported
Passive mitigation: Not reported

Process Flammables Alt. Releases:
Endpoint used: Not reported
LFL value: Not reported
Analytical basic: Not reported
Scenario: Not reported
Quantity released in pounds: Not reported
Distance to endpoint in miles: Not reported
Residential population: Not reported
Public receptors: Not reported
Environmental receptors: Not reported
Passive mitigation: Not reported
Active mitigation: Not reported

Process Flammables Worst Case:
Analytical basic: Not reported
Quantity released in pounds: Not reported
Distance to endpoint in miles: Not reported
Residential population: Not reported
Public receptors: Not reported
Environmental receptors: Not reported
Passive mitigation: Not reported
Safety review date: Not reported
Most recent PHA date: Not reported
Process Hazard Analysis: Not reported
Expected PHA changes completion date: Not reported
Major Hazard: Not reported
Process Control: Not reported
Mitigation Systems: Not reported
Monitoring/Detection: Not reported
Changes since the last process hazard analysis: Not reported
Most recent review of op. procedures: Not reported
Most recent training progs review/update: Not reported
Training: Not reported
Competency testing: Not reported
Most recent maintenance review date: Not reported
Most recent equipment inspection date: Not reported
Equipment tested: Not reported
Most recent changes by mgmt: Not reported
Date of most recent review/update: Not reported
Date of pre-start review: Not reported
Most recent compliance audit date: Not reported
Expected date of audit completion: Not reported
Most recent incident investigation: Not reported
Expected date of investigation changes: Not reported
Date of participation plan review: Not reported
Date of hot work permit review: Not reported
Date of contractor safety review: Not reported
Date of contractor safety eval. review: Not reported
Record has CBI data: Not reported
Safety review date: Not reported
Federal Regulation: Not reported
Federal regulation comment: Not reported
Major Hazard: Not reported
Process Control: Not reported
Mitigation Systems: Not reported

COSTCO WHOLESALE MEAT PLANT - TRACY (Continued) **1011820996**

Monitoring/Detection:	Not reported
Changes since the last process hazard analysis:	Not reported
Most recent hazard review/update:	Not reported
Most recent review of op. procedures:	Not reported
Most recent training progs review/update:	Not reported
Expected completion of review changes:	Not reported
Training:	Not reported
Competency testing:	Not reported
Most recent maintenance review date:	Not reported
Most recent equipment inspection date:	Not reported
Equipment tested:	Not reported
Most recent compliance audit date:	Not reported
Expected date of audit completion:	Not reported
Most recent incident investigation:	Not reported
Expected date of investigation changes:	Not reported
Record has CBI data:	Not reported
Date of most recent changes:	Not reported

Emergency Response Details:

ER plan:	Not reported
ER plan most recent review date:	Not reported
ER plan most recent employee training date:	Not reported
Local agency coordinating ER plan:	San Joaquin County OES
Telephone of the coordinating local agency:	2094683969
Federal regulation:	True
OSHA 1910 120:	False
SPCC:	False
RCRA:	False
OPA 90:	False
EPCRA:	True
Other Regulations:	Not reported

K42 **COSTCO WHOLESALE MEATS #210** **HAZNET** **S109425324**
SW **17880 W SCHULTE RD** **N/A**
1/2-1 **TRACY, CA 95377**
0.868 mi.
4581 ft. **Site 3 of 4 in cluster K**

Relative:
Higher

Actual:
223 ft.

HAZNET:

Year:	2011
Gepaid:	CAL000316143
Contact:	LISA SIMPSON-LICENSING
Telephone:	4253136275
Mailing Name:	Not reported
Mailing Address:	999 LAKE DR
Mailing City,St,Zip:	ISSAQUAH, WA 980270000
Gen County:	Not reported
TSD EPA ID:	TXD077603371
TSD County:	Not reported
Waste Category:	Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)
Disposal Method:	Fuel Blending Prior To Energy Recovery At Another Site
Tons:	0.0225
Facility County:	San Joaquin

Year:	2011
Gepaid:	CAL000316143
Contact:	LISA SIMPSON-LICENSING
Telephone:	4253136275

COSTCO WHOLESALE MEATS #210 (Continued) **S109425324**

Mailing Name: Not reported
Mailing Address: 999 LAKE DR
Mailing City,St,Zip: ISSAQUAH, WA 980270000
Gen County: Not reported
TSD EPA ID: NVT330010000
TSD County: Not reported
Waste Category: Latex waste
Disposal Method: Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Tons: 0.45
Facility County: San Joaquin

Year: 2011
Gepaid: CAL000316143
Contact: LISA SIMPSON-LICENSING
Telephone: 4253136275
Mailing Name: Not reported
Mailing Address: 999 LAKE DR
Mailing City,St,Zip: ISSAQUAH, WA 980270000
Gen County: Not reported
TSD EPA ID: NVT330010000
TSD County: Not reported
Waste Category: Unspecified oil-containing waste
Disposal Method: Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Tons: 0.65
Facility County: San Joaquin

Year: 2011
Gepaid: CAL000316143
Contact: LISA SIMPSON-LICENSING
Telephone: 4253136275
Mailing Name: Not reported
Mailing Address: 999 LAKE DR
Mailing City,St,Zip: ISSAQUAH, WA 980270000
Gen County: Not reported
TSD EPA ID: NVT330010000
TSD County: Not reported
Waste Category: Other inorganic solid waste
Disposal Method: Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Tons: 0.65
Facility County: San Joaquin

Year: 2011
Gepaid: CAL000316143
Contact: LISA SIMPSON-LICENSING
Telephone: 4253136275
Mailing Name: Not reported
Mailing Address: 999 LAKE DR
Mailing City,St,Zip: ISSAQUAH, WA 980270000
Gen County: Not reported
TSD EPA ID: NVT330010000
TSD County: Not reported
Waste Category: Other organic solids
Disposal Method: Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)

COSTCO WHOLESALE MEATS #210 (Continued) **S109425324**

Tons: 0.4575
Facility County: San Joaquin

Click this hyperlink while viewing on your computer to access
16 additional CA_HAZNET: record(s) in the EDR Site Report.

K43 **COSTCO WHOLESALE MEAT PLANT - TRACY** **FINDS** **1012076173**
SW **17880 WEST SCHULTE ROAD** **N/A**
1/2-1 **TRACY, CA 95377**
0.868 mi.
4581 ft. **Site 4 of 4 in cluster K**

Relative:
Higher

Actual:
223 ft.

FINDS:

Registry ID: 110023012470

Environmental Interest/Information System
US EPA Risk Management Plan (RMP) database stores the risk management plans reported by companies that handle, manufacture, use, or store certain flammable or toxic substances, as required under section 112(r) of the Clean Air Act (CAA).

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44 **SECURITY CAPITAL INDSTRL TRUST** **EMI** **S107621962**
South **25780 S CORPORATE CT** **N/A**
1/2-1 **TRACY, CA 95377**
0.896 mi.
4732 ft.

Relative:
Higher

Actual:
223 ft.

EMI:

Year:	2004
County Code:	39
Air Basin:	SJV
Facility ID:	3906
Air District Name:	SJU
SIC Code:	6798
Air District Name:	SAN JOAQUIN VALLEY UNIFIED APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	1.71817676
Reactive Organic Gases Tons/Yr:	1.437598495
Carbon Monoxide Emissions Tons/Yr:	4.568069984
NOX - Oxides of Nitrogen Tons/Yr:	21.00416493
SOX - Oxides of Sulphur Tons/Yr:	1.397291995
Particulate Matter Tons/Yr:	1.500297495
Part. Matter 10 Micrometers & Smllr Tons/Yr:	1.464290355

45
SW
1/2-1
0.897 mi.
4736 ft.

16900 WEST SCHULTE
TRACY, CA 95376

ERNS **98425359**
N/A

Relative:
Higher

Actual:
229 ft.

Click this hyperlink while viewing on your computer to access additional ERNS detail in the EDR Site Report.

46
SW
1/2-1
0.900 mi.
4753 ft.

MOUNTAI HOUSE GAS STATION & CAR WASH
25456 SCHULTE RD
TRACY, CA 95376

NPDES **S109451212**
N/A

Relative:
Higher

Actual:
235 ft.

NPDES:

Npdes Number:	CAS000002
Facility Status:	Terminated
Agency Id:	0
Region:	5S
Regulatory Measure Id:	359433
Order No:	2009-0009-DWQ
Regulatory Measure Type:	Enrollee
Place Id:	Not reported
WDID:	5S39C354651
Program Type:	Construction
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	02/23/2009
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	09/02/2010
Discharge Name:	BFT MT HOUSE LLC
Discharge Address:	801 10TH STREET
Discharge City:	MODESTO
Discharge State:	California
Discharge Zip:	95354

47
SW
1/2-1
0.927 mi.
4892 ft.

LIFT TRUCK SERVICE INC
25385 S SCHULTE RD
TRACY, CA 95377

HAZNET **S109428413**
N/A

Relative:
Higher

Actual:
241 ft.

HAZNET:

Year:	2011
Gepaid:	CAL000319226
Contact:	GREG RADONICH
Telephone:	2098338808
Mailing Name:	Not reported
Mailing Address:	25385 S SCHULTE RD
Mailing City,St,Zip:	TRACY, CA 953770000
Gen County:	Not reported
TSD EPA ID:	CAD097030993
TSD County:	Not reported
Waste Category:	Other organic solids
Disposal Method:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	2.55
Facility County:	San Joaquin

LIFT TRUCK SERVICE INC (Continued) **S109428413**

Year: 2010
Gepaid: CAL000319226
Contact: GREG RADONICH
Telephone: 2098338808
Mailing Name: Not reported
Mailing Address: 25385 S SCHULTE RD
Mailing City,St,Zip: TRACY, CA 953770000
Gen County: Not reported
TSD EPA ID: CAD097030993
TSD County: Not reported
Waste Category: Other organic solids
Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.375
Facility County: San Joaquin

Year: 2010
Gepaid: CAL000319226
Contact: GREG RADONICH
Telephone: 2098338808
Mailing Name: Not reported
Mailing Address: 25385 S SCHULTE RD
Mailing City,St,Zip: TRACY, CA 953770000
Gen County: Not reported
TSD EPA ID: CAT000646117
TSD County: Not reported
Waste Category: Other organic solids
Disposal Method: Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Tons: 0.6
Facility County: San Joaquin

Year: 2009
Gepaid: CAL000319226
Contact: GREG RADONICH
Telephone: 2098338808
Mailing Name: Not reported
Mailing Address: 25385 S SCHULTE RD
Mailing City,St,Zip: TRACY, CA 95377
Gen County: San Joaquin
TSD EPA ID: CAD097030993
TSD County: Los Angeles
Waste Category: Other organic solids
Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.925
Facility County: San Joaquin

Year: 2009
Gepaid: CAL000319226
Contact: GREG RADONICH
Telephone: 2098338808
Mailing Name: Not reported
Mailing Address: 25385 S SCHULTE RD
Mailing City,St,Zip: TRACY, CA 95377
Gen County: San Joaquin
TSD EPA ID: CAT080013352

LIFT TRUCK SERVICE INC (Continued) **S109428413**

TSD County: Los Angeles
Waste Category: Unspecified oil-containing waste
Disposal Method: Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Tons: 0.52125
Facility County: San Joaquin

Click this hyperlink while viewing on your computer to access
2 additional CA_HAZNET: record(s) in the EDR Site Report.

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48 **MASONRY DEVELOPMENT OF NORTHERN CALIFORNIA** **NPDES** **S109693021**
SW **25437 S SCHULTE RD** **N/A**
1/2-1 **TRACY, CA 95437**
0.927 mi.
4893 ft.

Relative:
Higher

Actual:
243 ft.

NPDES:

Npdes Number:	CAS000002
Facility Status:	Terminated
Agency Id:	0
Region:	5S
Regulatory Measure Id:	368200
Order No:	2009-0009-DWQ
Regulatory Measure Type:	Enrollee
Place Id:	Not reported
WDID:	5S39C355789
Program Type:	Construction
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	07/14/2009
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	12/28/2010
Discharge Name:	Bricklayers and Applied Crafts Local #3 Apprentice Training Trust
Discharge Address:	8400 Enterprise Wy Ste 114
Discharge City:	Oakland
Discharge State:	California
Discharge Zip:	94621

L49 **ZEP MANUFACTURING CO INC** **HAZNET** **S106092888**
SW **25224 S SCHULTE RD** **N/A**
1/2-1 **TRACY, CA 95377**
0.929 mi.
4906 ft. **Site 1 of 7 in cluster L**

Relative:
Higher

Actual:
235 ft.

HAZNET:

Year:	2008
Gepaid:	CAL000240238
Contact:	GREGG W NUTI
Telephone:	2098305110
Mailing Name:	Not reported
Mailing Address:	25224 S SCHULTE RD
Mailing City,St,Zip:	TRACY, CA 953770000
Gen County:	San Joaquin
TSD EPA ID:	AZD081705402
TSD County:	99
Waste Category:	Unspecified solvent mixture
Disposal Method:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery

ZEP MANUFACTURING CO INC (Continued) **S106092888**

(H010-H129) Or (H131-H135)
Tons: 0.1
Facility County: San Joaquin

Year: 2008
Gepaid: CAL000240238
Contact: GREGG W NUTI
Telephone: 2098305110
Mailing Name: Not reported
Mailing Address: 25224 S SCHULTE RD
Mailing City,St,Zip: TRACY, CA 953770000
Gen County: San Joaquin
TSD EPA ID: IND093219012
TSD County: Not reported
Waste Category: Alkaline solution without metals pH >= 12.5
Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.5
Facility County: San Joaquin

Year: 2008
Gepaid: CAL000240238
Contact: GREGG W NUTI
Telephone: 2098305110
Mailing Name: Not reported
Mailing Address: 25224 S SCHULTE RD
Mailing City,St,Zip: TRACY, CA 953770000
Gen County: San Joaquin
TSD EPA ID: AZD081705402
TSD County: 99
Waste Category: Other inorganic solid waste
Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 1.275
Facility County: San Joaquin

Year: 2008
Gepaid: CAL000240238
Contact: GREGG W NUTI
Telephone: 2098305110
Mailing Name: Not reported
Mailing Address: 25224 S SCHULTE RD
Mailing City,St,Zip: TRACY, CA 953770000
Gen County: San Joaquin
TSD EPA ID: AZD081705402
TSD County: 99
Waste Category: Alkaline solution without metals pH >= 12.5
Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.5
Facility County: San Joaquin

Year: 2008
Gepaid: CAL000240238
Contact: GREGG W NUTI
Telephone: 2098305110
Mailing Name: Not reported

ZEP MANUFACTURING CO INC (Continued) **S106092888**

Mailing Address:	25224 S SCHULTE RD
Mailing City,St,Zip:	TRACY, CA 953770000
Gen County:	San Joaquin
TSD EPA ID:	IND093219012
TSD County:	Not reported
Waste Category:	Unspecified solvent mixture
Disposal Method:	Not reported
Tons:	0.0375
Facility County:	San Joaquin

Click this hyperlink while viewing on your computer to access
19 additional CA_HAZNET: record(s) in the EDR Site Report.

L50 **ZEP MANUFACTURING CO** **HAZNET** **S108225869**
SW **25224 S SCHULTE RD** **N/A**
1/2-1 **TRACY, CA 95377**
0.929 mi.
4906 ft. **Site 2 of 7 in cluster L**

Relative:
Higher

Actual:
235 ft.

HAZNET:

Year:	2004
Gepaid:	CAP000156828
Contact:	GREGG W NUTI
Telephone:	2098305110
Mailing Name:	Not reported
Mailing Address:	25224 S SCHULTE RD
Mailing City,St,Zip:	TRACY, CA 95377
Gen County:	San Joaquin
TSD EPA ID:	CAD008302903
TSD County:	Los Angeles
Waste Category:	Unspecified solvent mixture
Disposal Method:	Transfer Station
Tons:	2.25
Facility County:	Not reported

L51 **ZEP SALES AND SERVICES** **RCRA NonGen / NLR** **1012176046**
SW **25224 S SCHULTE RD** **CAR000198796**
1/2-1 **TRACY, CA 95377**
0.929 mi.
4906 ft. **Site 3 of 7 in cluster L**

Relative:
Higher

Actual:
235 ft.

RCRA NonGen / NLR:

Date form received by agency:	08/20/2009
Facility name:	ZEP SALES AND SERVICES
Facility address:	25224 S SCHULTE RD TRACY, CA 95377
EPA ID:	CAR000198796
Contact:	GREGG W NUTI
Contact address:	25224 S SCHULTE RD TRACY, CA 95376
Contact country:	US
Contact telephone:	209-830-5112
Telephone ext.:	223
Contact email:	Not reported
EPA Region:	Not reported
Classification:	Non-Generator

ZEP SALES AND SERVICES (Continued) **1012176046**

Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:
Owner/operator name: ACUITY SPECIALTY PRODUCTS INC
Owner/operator address: Not reported
Not reported
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 11/30/2001
Owner/Op end date: Not reported

Owner/operator name: PROLOGIS
Owner/operator address: 17284 COMMERCE WY
TRACY, CA 95377
Owner/operator country: US
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 08/01/2000
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 02/11/2009
Facility name: ZEP SALES AND SERVICES
Site name: ACUITY SPECIALTY PRODUCTS INC DBA ZEP SALES AND SERVICES
Classification: Small Quantity Generator

Violation Status: No violations found

L52
SW
1/2-1
0.929 mi.
4906 ft.

ACUITY SPECIALTY PRODUCTS
25224 S SCHULTE RD
TRACY, CA 95377

Site 4 of 7 in cluster L

FINDS **1012108809**
N/A

Relative: Higher

Actual: 235 ft.

FINDS:

Registry ID: 110038890126

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

HAZARDOUS WASTE BIENNIAL REPORTER

L53
SW
1/2-1
0.929 mi.
4906 ft.

ACUITY SPECIALTY PRODUCTS
25224 SOUTH SCULTE ROAD
TRACY, CA 95377

Site 5 of 7 in cluster L

RCRA-SQG **1008194644**
CAL000240238

Relative: Higher

Actual: 235 ft.

RCRA-SQG:

Date form received by agency:	02/21/2006
Facility name:	ACUITY SPECIALTY PRODUCTS
Facility address:	25224 SOUTH SCULTE ROAD TRACY, CA 95377
EPA ID:	CAL000240238
Mailing address:	25224 SOUTH SCHULTE ROAD TRACY, CA 95377
Contact:	GREGG W NUTI
Contact address:	Not reported Not reported
Contact country:	Not reported
Contact telephone:	(209) 830-5110
Telephone ext.:	223
Contact email:	GREGG.NUTI@ZEPMFG.COM
EPA Region:	Not reported
Classification:	Small Small Quantity Generator
Description:	Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name:	ACUITY SPECIALTY PRODUCTS DBA
Owner/operator address:	Not reported Not reported
Owner/operator country:	US
Owner/operator telephone:	Not reported
Legal status:	Private
Owner/Operator Type:	Operator
Owner/Op start date:	11/30/2001

ACUITY SPECIALTY PRODUCTS (Continued) **1008194644**

Owner/Op end date: Not reported

Owner/operator name: ACUITY SPECIALTY PRODUCTS - ZEP
Owner/operator address: Not reported
Not reported
Owner/operator country: US
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 11/30/2001
Owner/Op end date: Not reported

Owner/operator name: PROLOGIS
Owner/operator address: 17284 COMMERCE WAY
TRACY, CA 95377
Owner/operator country: US
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 08/01/2000
Owner/Op end date: Not reported

Owner/operator name: ACUITY BRANDS
Owner/operator address: 25224 S. SCHULTE RD.
TRACY, CA 95377
Owner/operator country: US
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 11/30/2001
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 02/21/2006
Facility name: ACUITY SPECIALTY PRODUCTS
Classification: Large Quantity Generator

Date form received by agency: 03/29/2004
Facility name: ACUITY SPECIALTY PRODUCTS

ACUITY SPECIALTY PRODUCTS (Continued) **1008194644**

Site name: ZEP MANUFACTURING CO.
Classification: Large Quantity Generator

Hazardous Waste Summary:
Waste code: D001
Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Waste code: D002
Waste name: A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.

Waste code: D001
Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Waste code: D002
Waste name: A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.

Waste code: D026
Waste name: CRESOL

Violation Status: No violations found

L54 **ZEP MANUFACTURING CO.** **FINDS 1008231769**
SW **25224 S. SCHULTE RD.** **N/A**
1/2-1 **TRACY, CA 95377**
0.929 mi.
4906 ft. **Site 6 of 7 in cluster L**

Relative: Higher

Actual: 235 ft.

FINDS:

Registry ID: 110021011359

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of

ZEP MANUFACTURING CO. (Continued) **1008231769**

events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

HAZARDOUS WASTE BIENNIAL REPORTER

M55 **MERHING, ROBERT** **UST** **U003786580**
NE **16343 DIABLO CT** **N/A**
1/2-1 **TRACY, CA 95376**
0.930 mi.
4908 ft. **Site 1 of 2 in cluster M**

Relative:
Lower

Actual:
104 ft.

UST:
Facility ID: FA0005549
Latitude: 37.7429
Longitude: -121.51073

UST SAN JOAQUIN:
Region: SJ
Facility Id: FA0005549
Mail Address: 16343 DIABLO CT
Mail Care of: Not reported
Mail City,St,Zip: TRACY, CA 95376

Tank Rec ID: TA0502724
Tank Number: 1
Tank Status: ACTIVE, EXEMPT
Tank Capacity: 550
Product Code/Type: 09/OTHER
Program Element: 2322

M56 **ROBERT MERHING** **CA FID UST** **S101593433**
NE **16343 DIABLO CT** **SWEEPS UST** **N/A**
1/2-1 **TRACY, CA 95376**
0.930 mi.
4909 ft. **Site 2 of 2 in cluster M**

Relative:
Lower

Actual:
104 ft.

CA FID UST:
Facility ID: 39004085
Regulated By: UTNKI
Regulated ID: Not reported
Cortese Code: Not reported
SIC Code: Not reported
Facility Phone: 2098360628
Mail To: Not reported
Mailing Address: 28025 TRAINA
Mailing Address 2: Not reported
Mailing City,St,Zip: TRACY 95376
Contact: Not reported
Contact Phone: Not reported
DUNs Number: Not reported
NPDES Number: Not reported
EPA ID: Not reported
Comments: Not reported

ROBERT MERHING (Continued) **S101593433**

Status: Inactive

SWEEPS UST:
Status: Not reported
Comp Number: 4348
Number: Not reported
Board Of Equalization: Not reported
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Tank Status: Not reported
Owner Tank Id: Not reported
Swrcb Tank Id: 39-000-004348-000001
Actv Date: Not reported
Capacity: 550
Tank Use: M.V. FUEL
Stg: PRODUCT
Content: LEADED
Number Of Tanks: 1

L57 **CHMIRS** **S109037768**
SW **25241 SCHULTE** **N/A**
1/2-1 **TRACY, CA 95253**
0.932 mi.
4923 ft. **Site 7 of 7 in cluster L**

Relative:
Higher

Actual:
237 ft.

CHMIRS:
OES Incident Number: 07-5149
OES notification: 8/27/2007 05:21:16 PM
OES Date: Not reported
OES Time: Not reported
Incident Date: Not reported
Date Completed: Not reported
Property Use: Not reported
Agency Id Number: Not reported
Agency Incident Number: Not reported
Time Notified: Not reported
Time Completed: Not reported
Surrounding Area: Not reported
Estimated Temperature: Not reported
Property Management: Not reported
Special Studies 1: Not reported
Special Studies 2: Not reported
Special Studies 3: Not reported
Special Studies 4: Not reported
Special Studies 5: Not reported
Special Studies 6: Not reported
More Than Two Substances Involved?: Not reported
Resp Agncy Personel # Of Decontaminated: Not reported
Responding Agency Personel # Of Injuries: Not reported
Responding Agency Personel # Of Fatalities: Not reported
Others Number Of Decontaminated: Not reported
Others Number Of Injuries: Not reported
Others Number Of Fatalities: Not reported
Vehicle Make/year: Not reported
Vehicle License Number: Not reported
Vehicle State: Not reported

(Continued) **S109037768**

Vehicle Id Number:	Not reported
CA/DOT/PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Comments:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	Not reported
Waterway:	Not reported
Spill Site:	Not reported
Cleanup By:	Reporting Party
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	2007
Agency:	PG&E
Incident Date:	8/27/2007 12:00:00 AM
Admin Agency:	San Joaquin County Emergency Services
Amount:	Not reported
Contained:	Yes
Site Type:	Residence
E Date:	Not reported
Substance:	Non-pcb transformer oil
Quantity Released:	Not reported
BBLS:	0
Cups:	0
CUFT:	0
Gallons:	4
Grams:	0
Pounds:	0
Liters:	0
Ounces:	0
Pints:	0
Quarts:	0
Sheen:	0
Tons:	0
Unknown:	0
Evacuations:	0
Number of Injuries:	0
Number of Fatalities:	0
Description:	Pin hole leak in tranformer caused the release.

N58 **TRI STATE MOTOR COMPANY** **CA FID UST** **S101593124**
SW **25501 S PATTERSON PASS RD** **SWEEPS UST** **N/A**
1/2-1 **TRACY, CA 95376**
0.934 mi.
4929 ft. **Site 1 of 3 in cluster N**

Relative:
Higher

Actual:
235 ft.

CA FID UST:

Facility ID:	39002586
Regulated By:	UTNKI
Regulated ID:	Not reported
Cortese Code:	Not reported
SIC Code:	Not reported
Facility Phone:	2098358800

TRI STATE MOTOR COMPANY (Continued) **S101593124**

Mail To: Not reported
Mailing Address: 25501 S PATTERSON PASS RD
Mailing Address 2: Not reported
Mailing City,St,Zip: TRACY 95376
Contact: Not reported
Contact Phone: Not reported
DUNs Number: Not reported
NPDES Number: Not reported
EPA ID: Not reported
Comments: Not reported
Status: Inactive

SWEEPS UST:
Status: Not reported
Comp Number: 2445
Number: Not reported
Board Of Equalization: Not reported
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Tank Status: Not reported
Owner Tank Id: Not reported
Swrcb Tank Id: 39-000-002445-000001
Actv Date: Not reported
Capacity: 10000
Tank Use: M.V. FUEL
Stg: PRODUCT
Content: DIESEL
Number Of Tanks: 7

Status: Not reported
Comp Number: 2445
Number: Not reported
Board Of Equalization: Not reported
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Tank Status: Not reported
Owner Tank Id: Not reported
Swrcb Tank Id: 39-000-002445-000002
Actv Date: Not reported
Capacity: 10000
Tank Use: M.V. FUEL
Stg: PRODUCT
Content: DIESEL
Number Of Tanks: Not reported

Status: Not reported
Comp Number: 2445
Number: Not reported
Board Of Equalization: Not reported
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Tank Status: Not reported
Owner Tank Id: Not reported
Swrcb Tank Id: 39-000-002445-000003

TRI STATE MOTOR COMPANY (Continued) **S101593124**

Actv Date:	Not reported
Capacity:	10000
Tank Use:	M.V. FUEL
Stg:	PRODUCT
Content:	DIESEL
Number Of Tanks:	Not reported

Status:	Not reported
Comp Number:	2445
Number:	Not reported
Board Of Equalization:	Not reported
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Tank Status:	Not reported
Owner Tank Id:	Not reported
Swrcb Tank Id:	39-000-002445-000004
Actv Date:	Not reported
Capacity:	10000
Tank Use:	M.V. FUEL
Stg:	PRODUCT
Content:	DIESEL
Number Of Tanks:	Not reported

Status:	Not reported
Comp Number:	2445
Number:	Not reported
Board Of Equalization:	Not reported
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Tank Status:	Not reported
Owner Tank Id:	Not reported
Swrcb Tank Id:	39-000-002445-000005
Actv Date:	Not reported
Capacity:	10000
Tank Use:	M.V. FUEL
Stg:	PRODUCT
Content:	LEADED
Number Of Tanks:	Not reported

Status:	Not reported
Comp Number:	2445
Number:	Not reported
Board Of Equalization:	Not reported
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Tank Status:	Not reported
Owner Tank Id:	Not reported
Swrcb Tank Id:	39-000-002445-000006
Actv Date:	Not reported
Capacity:	2000
Tank Use:	OIL
Stg:	WASTE
Content:	WASTE OIL
Number Of Tanks:	Not reported

TRI STATE MOTOR COMPANY (Continued) **S101593124**

Status:	Not reported
Comp Number:	2445
Number:	Not reported
Board Of Equalization:	Not reported
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Tank Status:	Not reported
Owner Tank Id:	Not reported
Swrcb Tank Id:	39-000-002445-000007
Actv Date:	Not reported
Capacity:	500
Tank Use:	HAZARDOUS
Stg:	PRODUCT
Content:	DIESEL
Number Of Tanks:	Not reported

N59 **TRACY INDUSTRIAL PARTNERS** **HAZNET** **S103646886**
SW **25501 SO PATTERSON PASS RD** **N/A**
1/2-1 **TRACY, CA 95376**
0.934 mi.
4929 ft. **Site 2 of 3 in cluster N**

Relative:
Higher

Actual:
235 ft.

HAZNET:

Year:	1997
Gepaid:	CAC001251984
Contact:	CORPORATION
Telephone:	0000000000
Mailing Name:	Not reported
Mailing Address:	47775 FREMONT BLVD
Mailing City,St,Zip:	FREMONT, CA 945380000
Gen County:	San Joaquin
TSD EPA ID:	CAD981382732
TSD County:	1
Waste Category:	Asbestos containing waste
Disposal Method:	Disposal, Land Fill
Tons:	.4214
Facility County:	San Joaquin

N60 **TRI-STATE MOTOR TRANSIT COMPANY** **SLIC** **1000132579**
SW **25501 SOUTH PATTERSON PASS ROAD** **HIST UST** **N/A**
1/2-1 **TRACY, CA** **HAZNET**
0.934 mi.
4929 ft. **Site 3 of 3 in cluster N**

Relative:
Higher

Actual:
235 ft.

SLIC:

Region:	STATE
Facility Status:	**Open - Inactive**
Status Date:	10/02/1991
Global Id:	SLT5S2923328
Lead Agency:	CENTRAL VALLEY RWQCB (REGION 5S)
Lead Agency Case Number:	Not reported
Latitude:	37.7428071227709
Longitude:	-121.43183402332
Case Type:	Cleanup Program Site
Case Worker:	ZZZ

TRI-STATE MOTOR TRANSIT COMPANY (Continued) **1000132579**

Local Agency: Not reported
RB Case Number: SLT5S292
File Location: Not reported
Potential Media Affected: Under Investigation
Potential Contaminants of Concern: Diesel, Gasoline
Site History: Not reported

Click here to access the California GeoTracker records for this facility:

HIST UST:
Region: STATE
Facility ID: 00000067341
Facility Type: Other
Other Type: TRUCK TERMINAL
Total Tanks: 0007
Contact Name: CLAY BIRDWELL
Telephone: 2098358800
Owner Name: TRI-STATE MOTOR TRANSIT CO.
Owner Address: P.O. BOX 113 - EAST 7TH STREET
Owner City,St,Zip: JOPLIN, MO 64802

Tank Num: 001
Container Num: 001
Year Installed: 1979
Tank Capacity: 00010000
Tank Used for: WASTE
Type of Fuel: 4
Tank Construction: /4 2 inches
Leak Detection: Stock Inventor

Tank Num: 002
Container Num: 002
Year Installed: 1979
Tank Capacity: 00010000
Tank Used for: PRODUCT
Type of Fuel: DIESEL
Tank Construction: 1/4 inches
Leak Detection: Stock Inventor

Tank Num: 003
Container Num: 003
Year Installed: 1979
Tank Capacity: 00010000
Tank Used for: PRODUCT
Type of Fuel: DIESEL
Tank Construction: 1/4 inches
Leak Detection: Stock Inventor

Tank Num: 004
Container Num: 004
Year Installed: 1979
Tank Capacity: 00010000
Tank Used for: PRODUCT
Type of Fuel: DIESEL
Tank Construction: 1/4 inches
Leak Detection: Stock Inventor

TRI-STATE MOTOR TRANSIT COMPANY (Continued) **1000132579**

Tank Num: 005
Container Num: 005
Year Installed: Not reported
Tank Capacity: 00010000
Tank Used for: PRODUCT
Type of Fuel: UNLEADED
Tank Construction: 1/4 inches
Leak Detection: Stock Inventor

Tank Num: 006
Container Num: 006
Year Installed: Not reported
Tank Capacity: 00001000
Tank Used for: PRODUCT
Type of Fuel: Not reported
Tank Construction: Not reported
Leak Detection: Stock Inventor

Tank Num: 007
Container Num: 007
Year Installed: Not reported
Tank Capacity: 00000800
Tank Used for: WASTE
Type of Fuel: WASTE OIL
Tank Construction: Not reported
Leak Detection: Stock Inventor

HAZNET:
Year: 1993
Gepaid: CAL000028379
Contact: TRI-STATE MOTOR TRANS
Telephone: 0000000000
Mailing Name: Not reported
Mailing Address: PO BOX 113
Mailing City,St,Zip: JOPLIN, MO 648020000
Gen County: San Joaquin
TSD EPA ID: CAD083166728
TSD County: Stanislaus
Waste Category: Unspecified oil-containing waste
Disposal Method: Recycler
Tons: 1.4595
Facility County: San Joaquin

O61 **THE COMPLETE LOGISTICS CO INC** **HAZNET** **S111857401**
WSW **25188 S SCHULTE RD BLDG 8** **N/A**
1/2-1 **TRACY, CA 95377**
0.935 mi.
4937 ft. **Site 1 of 3 in cluster O**

Relative:
Higher

Actual:
233 ft.

HAZNET:
Year: 2011
Gepaid: CAL000337613
Contact: NICK CANDEA
Telephone: 9255253671
Mailing Name: Not reported
Mailing Address: 25188 S SCHULTE RD BLDG 8
Mailing City,St,Zip: TRACY, CA 953779706

THE COMPLETE LOGISTICS CO INC (Continued) **S111857401**

Gen County: Not reported
TSD EPA ID: NVT330010000
TSD County: Not reported
Waste Category: Organic liquids with metals (Alkaline solution (pH >= 12.5) with metals)
Disposal Method: Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Tons: 0.325
Facility County: San Joaquin

Year: 2011
Gepaid: CAL000337613
Contact: NICK CANDEA
Telephone: 9255253671
Mailing Name: Not reported
Mailing Address: 25188 S SCHULTE RD BLDG 8
Mailing City,St,Zip: TRACY, CA 953779706
Gen County: Not reported
TSD EPA ID: NVT330010000
TSD County: Not reported
Waste Category: Not reported
Disposal Method: Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Tons: 0.225
Facility County: San Joaquin

O62 **JOHNS MANVILLE** **HAZNET** **S111858522**
WSW **25176 S SCHULTE RD** **N/A**
1/2-1 **TRACY, CA 95377**
0.937 mi.
4947 ft. **Site 2 of 3 in cluster O**

Relative:
Higher

Actual:
232 ft.

HAZNET:
Year: 2011
Gepaid: CAL000362801
Contact: SUNNY HERNANDEZ
Telephone: 2098337451
Mailing Name: Not reported
Mailing Address: 25176 S SCHULTE RD
Mailing City,St,Zip: TRACY, CA 953779706
Gen County: Not reported
TSD EPA ID: TXD077603371
TSD County: Not reported
Waste Category: Adhesives
Disposal Method: Fuel Blending Prior To Energy Recovery At Another Site
Tons: 0.56
Facility County: San Joaquin

Year: 2011
Gepaid: CAL000362801
Contact: SUNNY HERNANDEZ
Telephone: 2098337451
Mailing Name: Not reported
Mailing Address: 25176 S SCHULTE RD
Mailing City,St,Zip: TRACY, CA 953779706
Gen County: Not reported
TSD EPA ID: NVT330010000
TSD County: Not reported

JOHNS MANVILLE (Continued) **S111858522**

Waste Category: Unspecified organic liquid mixture
Disposal Method: Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Tons: 0.125
Facility County: San Joaquin

O63 **COMCAST CABLE COMMUNICATIONS MNGMT LLC** **RCRA-SQG** **1015740371**
WSW **25201 S SCHULTE RD** **CAR000230748**
1/2-1 **TRACY, CA 95377**
0.940 mi.
4965 ft. **Site 3 of 3 in cluster O**

Relative:
Higher

Actual:
232 ft.

RCRA-SQG:
Date form received by agency: 10/18/2012
Facility name: COMCAST CABLE COMMUNICATIONS MNGMT LLC
Facility address: 25201 S SCHULTE RD
TRACY, CA 95377
EPA ID: CAR000230748
Mailing address: 3055 COMCAST PL
LIVERMORE, CA 94551
Contact: MICHAEL MINERVA
Contact address: 3055 COMCAST PL
LIVERMORE, CA 94551
Contact country: US
Contact telephone: 925-424-0195
Contact email: MICHAEL_MINERVA@CABLE.COMCAST.COM
EPA Region: Not reported
Classification: Small Small Quantity Generator
Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:
Owner/operator name: PROLOGIS DEVELOPMENT SVCS INC
Owner/operator address: 47775 FREMONT BLVD
FREMONT, CA 94538
Owner/operator country: US
Owner/operator telephone: 209-839-0209
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 05/08/2000
Owner/Op end date: Not reported

Owner/operator name: COMCAST OF CA AND MASS AND MICH
Owner/operator address: Not reported
Not reported
Owner/operator country: US
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 05/31/2010
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No

COMCAST CABLE COMMUNICATIONS MNGMT LLC (Continued) **1015740371**

Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Universal Waste Summary:
Waste type: Other
Accumulated waste on-site: Yes
Generated waste on-site: Not reported

Waste type: Batteries
Accumulated waste on-site: Yes
Generated waste on-site: Not reported

Waste type: Lamps
Accumulated waste on-site: Yes
Generated waste on-site: Not reported

Hazardous Waste Summary:
Waste code: 134
Waste name: 134

Waste code: 135
Waste name: 135

Waste code: 221
Waste name: 221

Waste code: D001
Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Violation Status: No violations found

P64 **ADESA CA INC** **NPDES S106104408**
WSW **18501 W STAFORD RD** **WDS N/A**
1/2-1 **TRACY, CA 95376**
0.942 mi.
4974 ft. **Site 1 of 5 in cluster P**

Relative:
Higher

Actual:
226 ft.

NPDES:

Npdes Number:	CAS000001
Facility Status:	Active
Agency Id:	0
Region:	5S
Regulatory Measure Id:	201866
Order No:	97-03-DWQ
Regulatory Measure Type:	Enrollee
Place Id:	Not reported
WDID:	5S39I017323
Program Type:	Industrial
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	06/27/2002
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Adesa California DBA Golden Gate
Discharge Address:	18501 W Stanford Rd
Discharge City:	Tracy
Discharge State:	California
Discharge Zip:	95376

CA WDS:

Facility ID:	5S 39I017323
Facility Type:	Industrial - Facility that treats and/or disposes of liquid or semisolid wastes from any servicing, producing, manufacturing or processing operation of whatever nature, including mining, gravel washing, geothermal operations, air conditioning, ship building and repairing, oil production, storage and disposal operations, water pumping.
Facility Status:	Active - Any facility with a continuous or seasonal discharge that is under Waste Discharge Requirements.
NPDES Number:	CAS000001 The 1st 2 characters designate the state. The remaining 7 are assigned by the Regional Board
Subregion:	0
Facility Telephone:	5103813346
Facility Contact:	GARY MOBLEY
Agency Name:	ADESA CA INC 1
Agency Address:	8649 Kiefer Blvd
Agency City,St,Zip:	Sacramento 958263907
Agency Contact:	DONALD HARRIS
Agency Telephone:	3178151100
Agency Type:	Private
SIC Code:	5012
SIC Code 2:	Not reported
Primary Waste:	Stormwater Runoff
Primary Waste Type:	Nonhazardous Solid Wastes/Influent or Solid Wastes that contain nonhazardous putrescible and non putrescible solid, semisolid, and liquid wastes (E.G., garbage, trash, refuse, paper, demolition and construction wastes, manure, vegetable or animal solid and semisolid waste).
Secondary Waste:	Not reported
Secondary Waste Type:	Not reported
Design Flow:	0

ADESA CA INC (Continued) **S106104408**

Baseline Flow: 0
Reclamation: No reclamation requirements associated with this facility.
POTW: The facility is not a POTW.
Treat To Water: Minor Threat to Water Quality. A violation of a regional board order should cause a relatively minor impairment of beneficial uses compared to a major or minor threat. Not: All nurds without a TTWQ will be considered a minor threat to water quality unless coded at a higher Level. A Zero (0) may be used to code those NURDS that are found to represent no threat to water quality.
Complexity: Category C - Facilities having no waste treatment systems, such as cooling water dischargers or thosewho must comply through best management practices, facilities with passive waste treatment and disposal systems, such as septic systems with subsurface disposal, or dischargers having waste storage systems with land disposal such as dairy waste ponds.

65
South
1/2-1
0.948 mi.
5004 ft.

Relative:
Higher

Actual:
227 ft.

COSTCO WHOLESALE DEPOT #179 **HAZNET** **S103958701**
25701 CORPORATE CT **N/A**
TRACY, CA 95376

HAZNET:

Year: 2002
Gepaid: CAL000110604
Contact: GAIL E TSUBOI DIR OF LICENSING
Telephone: 2098355222
Mailing Name: Not reported
Mailing Address: 999 LAKE DR
Mailing City,St,Zip: ISSAQUAH, WA 980275367
Gen County: San Joaquin
TSD EPA ID: Not reported
TSD County: Sacramento
Waste Category: Aqueous solution with total organic residues less than 10 percent
Disposal Method: Transfer Station
Tons: 0.19
Facility County: Not reported

Year: 2001
Gepaid: CAL000110604
Contact: GAIL E TSUBOI DIR OF LICENSING
Telephone: 2098355222
Mailing Name: Not reported
Mailing Address: 999 LAKE DR
Mailing City,St,Zip: ISSAQUAH, WA 980275367
Gen County: San Joaquin
TSD EPA ID: Not reported
TSD County: Sacramento
Waste Category: Aqueous solution with total organic residues less than 10 percent
Disposal Method: Transfer Station
Tons: 0.08
Facility County: Not reported

Year: 1995
Gepaid: CAL000110604
Contact: COSTCO WHOLESALE CORP
Telephone: 4253138100
Mailing Name: Not reported

COSTCO WHOLESALE DEPOT #179 (Continued) **S103958701**

Mailing Address:	999 LAKE DR
Mailing City,St,Zip:	ISSAQUAH, WA 980275367
Gen County:	San Joaquin
TSD EPA ID:	CAT080011059
TSD County:	Los Angeles
Waste Category:	Unspecified solvent mixture
Disposal Method:	Recycler
Tons:	.0625
Facility County:	San Joaquin

Year:	1994
Gepaid:	CAL000110604
Contact:	COSTCO WHOLESALE CORP
Telephone:	4253138100
Mailing Name:	Not reported
Mailing Address:	999 LAKE DR
Mailing City,St,Zip:	ISSAQUAH, WA 980275367
Gen County:	San Joaquin
TSD EPA ID:	CAT080011059
TSD County:	Los Angeles
Waste Category:	Unspecified solvent mixture
Disposal Method:	Recycler
Tons:	.2293
Facility County:	San Joaquin

P66 **ADESA CALIFORNIA LLC/ATTN: ENVIRO DEPT** **EMI** **S107620068**
WSW **18501 STANFORD ROAD** **N/A**
1/2-1 **TRACY, CA 95377**
0.950 mi.
5016 ft. **Site 2 of 5 in cluster P**

Relative:
Higher

Actual:
227 ft.

EMI:

Year:	2004
County Code:	39
Air Basin:	SJV
Facility ID:	4602
Air District Name:	SJU
SIC Code:	5521
Air District Name:	SAN JOAQUIN VALLEY UNIFIED APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	4.554420167
Reactive Organic Gases Tons/Yr:	4.402965717
Carbon Monoxide Emissions Tons/Yr:	0.02257456
NOX - Oxides of Nitrogen Tons/Yr:	0.12728805
SOX - Oxides of Sulphur Tons/Yr:	0.001308834
Particulate Matter Tons/Yr:	0.003205232
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0.003200046

Year:	2005
County Code:	39
Air Basin:	SJV
Facility ID:	4602
Air District Name:	SJU
SIC Code:	5521
Air District Name:	SAN JOAQUIN VALLEY UNIFIED APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported

ADESA CALIFORNIA LLC/ATTN: ENVIRO DEPT (Continued) **S107620068**

Total Organic Hydrocarbon Gases Tons/Yr:	4.554420167069153647
Reactive Organic Gases Tons/Yr:	4.402965717104752131
Carbon Monoxide Emissions Tons/Yr:	.0225745598743856
NOX - Oxides of Nitrogen Tons/Yr:	.1272880495689064
SOX - Oxides of Sulphur Tons/Yr:	.001308834305629135
Particulate Matter Tons/Yr:	.0032052319294879916
Part. Matter 10 Micrometers & Smllr Tons/Yr:	.0032000464785844089

Year:	2006
County Code:	39
Air Basin:	SJV
Facility ID:	4602
Air District Name:	SJU
SIC Code:	5521
Air District Name:	SAN JOAQUIN VALLEY UNIFIED APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	5.096903207104246515
Reactive Organic Gases Tons/Yr:	4.916966655359566218
Carbon Monoxide Emissions Tons/Yr:	.05525225740864869
NOX - Oxides of Nitrogen Tons/Yr:	.30225874322146161
SOX - Oxides of Sulphur Tons/Yr:	.0015163691804111
Particulate Matter Tons/Yr:	.0079605409683293176
Part. Matter 10 Micrometers & Smllr Tons/Yr:	.007950449902489774

Year:	2007
County Code:	39
Air Basin:	SJV
Facility ID:	4602
Air District Name:	SJU
SIC Code:	5521
Air District Name:	SAN JOAQUIN VALLEY UNIFIED APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	5.092934482877979710
Reactive Organic Gases Tons/Yr:	4.912655791701301939
Carbon Monoxide Emissions Tons/Yr:	.07455434473708278
NOX - Oxides of Nitrogen Tons/Yr:	.39366444234699034
SOX - Oxides of Sulphur Tons/Yr:	.0021480246212780477
Particulate Matter Tons/Yr:	.0109200541658754543
Part. Matter 10 Micrometers & Smllr Tons/Yr:	.0109118931084126302

Year:	2007
County Code:	39
Air Basin:	SJV
Facility ID:	4602
Air District Name:	SJU
SIC Code:	5521
Air District Name:	SAN JOAQUIN VALLEY UNIFIED APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	5.474005039351564860
Reactive Organic Gases Tons/Yr:	5.290538306428492069
Carbon Monoxide Emissions Tons/Yr:	.04785299966350196
NOX - Oxides of Nitrogen Tons/Yr:	.25801405706062911
SOX - Oxides of Sulphur Tons/Yr:	.0013564589867591859
Particulate Matter Tons/Yr:	.0069419223991848670

ADESA CALIFORNIA LLC/ATTN: ENVIRO DEPT (Continued) **S107620068**

Part. Matter 10 Micrometers & Smllr Tons/Yr: .0069346569398790618

P67 **ADESA CALIFORNIA, LLC** **HAZNET** **S106093649**
WSW **18501 W STANFORD RD** **N/A**
1/2-1 **TRACY, CA 95377**
0.950 mi.
5016 ft. **Site 3 of 5 in cluster P**

Relative:
Higher

Actual:
227 ft.

HAZNET:

Year:	2010
Gepaid:	CAL000255722
Contact:	SAMUEL E MCHENERY
Telephone:	2098393934
Mailing Name:	Not reported
Mailing Address:	18501 W STANFORD RD
Mailing City,St,Zip:	TRACY, CA 953779708
Gen County:	Not reported
TSD EPA ID:	CAT080013352
TSD County:	Not reported
Waste Category:	Aqueous solution with total organic residues 10 percent or more
Disposal Method:	Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Tons:	0.0834
Facility County:	San Joaquin

Year:	2010
Gepaid:	CAL000255722
Contact:	SAMUEL E MCHENERY
Telephone:	2098393934
Mailing Name:	Not reported
Mailing Address:	18501 W STANFORD RD
Mailing City,St,Zip:	TRACY, CA 953779708
Gen County:	Not reported
TSD EPA ID:	CAT080013352
TSD County:	Not reported
Waste Category:	Waste oil and mixed oil
Disposal Method:	Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Tons:	0.38
Facility County:	San Joaquin

Year:	2009
Gepaid:	CAL000255722
Contact:	SAMUEL E MCHENERY
Telephone:	2098398000
Mailing Name:	Not reported
Mailing Address:	18501 W STANFORD RD
Mailing City,St,Zip:	TRACY, CA 953779708
Gen County:	San Joaquin
TSD EPA ID:	CAD008252405
TSD County:	Los Angeles
Waste Category:	Unspecified solvent mixture
Disposal Method:	Fuel Blending Prior To Energy Recovery At Another Site
Tons:	0.2988
Facility County:	San Joaquin

Year:	2009
Gepaid:	CAL000255722

ADESA CALIFORNIA, LLC (Continued) **S106093649**

Contact:	SAMUEL E MCHENERY
Telephone:	2098398000
Mailing Name:	Not reported
Mailing Address:	18501 W STANFORD RD
Mailing City,St,Zip:	TRACY, CA 953779708
Gen County:	San Joaquin
TSD EPA ID:	NVT330010000
TSD County:	99
Waste Category:	Other organic solids
Disposal Method:	Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Tons:	0.375
Facility County:	San Joaquin
Year:	2009
Gepaid:	CAL000255722
Contact:	SAMUEL E MCHENERY
Telephone:	2098398000
Mailing Name:	Not reported
Mailing Address:	18501 W STANFORD RD
Mailing City,St,Zip:	TRACY, CA 953779708
Gen County:	San Joaquin
TSD EPA ID:	TXD077603371
TSD County:	99
Waste Category:	Metal dust (Alkaline solution (pH >= 12.5) with metals) and machining waste
Disposal Method:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.02
Facility County:	San Joaquin

Click this hyperlink while viewing on your computer to access
33 additional CA_HAZNET: record(s) in the EDR Site Report.

P68 **ADESA CALIFORNIA LLC DBA ADESA GOLDEN GATE** **HAZNET** **S110375442**
WSW **18501 STANFORD RD** **N/A**
1/2-1 **TRACY, CA 95377**
0.950 mi.
5016 ft. **Site 4 of 5 in cluster P**

Relative:
Higher

Actual:
227 ft.

HAZNET:

Year:	2011
Gepaid:	CAL000346875
Contact:	SAMUEL MCHENERY
Telephone:	2098393934
Mailing Name:	Not reported
Mailing Address:	18501 STANFORD RD
Mailing City,St,Zip:	TRACY, CA 953779708
Gen County:	Not reported
TSD EPA ID:	CA0000084517
TSD County:	Not reported
Waste Category:	Aqueous solution with total organic residues less than 10 percent
Disposal Method:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.777
Facility County:	San Joaquin
Year:	2011

ADESA CALIFORNIA LLC DBA ADESA GOLDEN GATE (Continued) **S110375442**

Gepaid:	CAL000346875
Contact:	SAMUEL MCHENERY
Telephone:	2098393934
Mailing Name:	Not reported
Mailing Address:	18501 STANFORD RD
Mailing City,St,Zip:	TRACY, CA 953779708
Gen County:	Not reported
TSD EPA ID:	CAD008252405
TSD County:	Not reported
Waste Category:	Aqueous solution with total organic residues 10 percent or more
Disposal Method:	Fuel Blending Prior To Energy Recovery At Another Site
Tons:	0.28356
Facility County:	San Joaquin

Year:	2011
Gepaid:	CAL000346875
Contact:	SAMUEL MCHENERY
Telephone:	2098393934
Mailing Name:	Not reported
Mailing Address:	18501 STANFORD RD
Mailing City,St,Zip:	TRACY, CA 953779708
Gen County:	Not reported
TSD EPA ID:	CAT080013352
TSD County:	Not reported
Waste Category:	Waste oil and mixed oil
Disposal Method:	Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Tons:	9.025
Facility County:	San Joaquin

Year:	2011
Gepaid:	CAL000346875
Contact:	SAMUEL MCHENERY
Telephone:	2098393934
Mailing Name:	Not reported
Mailing Address:	18501 STANFORD RD
Mailing City,St,Zip:	TRACY, CA 953779708
Gen County:	Not reported
TSD EPA ID:	NVT330010000
TSD County:	Not reported
Waste Category:	Other organic solids
Disposal Method:	Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Tons:	0.4275
Facility County:	San Joaquin

Year:	2011
Gepaid:	CAL000346875
Contact:	SAMUEL MCHENERY
Telephone:	2098393934
Mailing Name:	Not reported
Mailing Address:	18501 STANFORD RD
Mailing City,St,Zip:	TRACY, CA 953779708
Gen County:	Not reported
TSD EPA ID:	TXD077603371
TSD County:	Not reported
Waste Category:	Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)

ADESA CALIFORNIA LLC DBA ADESA GOLDEN GATE (Continued) **S110375442**

Disposal Method: Fuel Blending Prior To Energy Recovery At Another Site
Tons: 0.1975
Facility County: San Joaquin

Click this hyperlink while viewing on your computer to access
45 additional CA_HAZNET: record(s) in the EDR Site Report.

P69 **ADESA CALIFORNIA LLC/ATTN: ENVIRO DEPT** **FINDS** **1011977561**
WSW **18501 STANFORD ROAD** **N/A**
1/2-1 **TRACY, CA 95377**
0.950 mi.
5016 ft. **Site 5 of 5 in cluster P**

Relative:
Higher

Actual:
227 ft.

FINDS:

Registry ID: 110038078273

Environmental Interest/Information System
The NEI (National Emissions Inventory) database contains information on stationary and mobile sources that emit criteria air pollutants and their precursors, as well as hazardous air pollutants (HAPs).

CRITERIA AND HAZARDOUS AIR POLLUTANT INVENTORY

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70 **PALESTRO DISTRIBUTION CENTERS** **WDS** **S106104400**
WSW **25125 S SCHULTE RD** **N/A**
1/2-1 **TRACY, CA 95377**
0.955 mi.
5040 ft.

Relative:
Higher

Actual:
230 ft.

CA WDS:

Facility ID:	5S 39I016512
Facility Type:	Industrial - Facility that treats and/or disposes of liquid or semisolid wastes from any servicing, producing, manufacturing or processing operation of whatever nature, including mining, gravel washing, geothermal operations, air conditioning, ship building and repairing, oil production, storage and disposal operations, water pumping.
Facility Status:	Active - Any facility with a continuous or seasonal discharge that is under Waste Discharge Requirements.
NPDES Number:	CAS000001 The 1st 2 characters designate the state. The remaining 7 are assigned by the Regional Board
Subregion:	0
Facility Telephone:	2098390553
Facility Contact:	CATHERINE PALESTRO
Agency Name:	PALESTRO DISTRIBUTION CENTERS
Agency Address:	25125 S Schulte Rd
Agency City,St,Zip:	Tracy 953779706
Agency Contact:	CATHERINE PALESTRO
Agency Telephone:	2098390553
Agency Type:	Private
SIC Code:	0
SIC Code 2:	Not reported
Primary Waste:	Not reported
Primary Waste Type:	Not reported

PALESTRO DISTRIBUTION CENTERS (Continued) **S106104400**

Secondary Waste: Not reported
Secondary Waste Type: Not reported
Design Flow: 0
Baseline Flow: 0
Reclamation: Not reported
POTW: Not reported
Treat To Water: Minor Threat to Water Quality. A violation of a regional board order should cause a relatively minor impairment of beneficial uses compared to a major or minor threat. Not: All nurds without a TTWQ will be considered a minor threat to water quality unless coded at a higher Level. A Zero (0) may be used to code those NURDS that are found to represent no threat to water quality.
Complexity: Category C - Facilities having no waste treatment systems, such as cooling water dischargers or thosewho must comply through best management practices, facilities with passive waste treatment and disposal systems, such as septic systems with subsurface disposal, or dischargers having waste storage systems with land disposal such as dairy waste ponds.

71
SW
1/2-1
0.965 mi.
5094 ft.

COSTCO **HAZNET** **S103958664**
25701 CORPORATE CIR **N/A**
TRACY, CA 95376

Relative:
Higher

Actual:
233 ft.

HAZNET:
Year: 1999
Gepaid: CAC002105648
Contact: COSTCO WHOLESALES
Telephone: 2098355222
Mailing Name: Not reported
Mailing Address: 25701 CORPORATE CIR
Mailing City,St,Zip: TRACY, CA 953760000
Gen County: San Joaquin
TSD EPA ID: CAD044429835
TSD County: Los Angeles
Waste Category: Other inorganic solid waste
Disposal Method: Not reported
Tons: 0.375
Facility County: San Joaquin

Year: 1999
Gepaid: CAC002105648
Contact: COSTCO WHOLESALES
Telephone: 2098355222
Mailing Name: Not reported
Mailing Address: 25701 CORPORATE CIR
Mailing City,St,Zip: TRACY, CA 953760000
Gen County: San Joaquin
TSD EPA ID: CAD044429835
TSD County: Los Angeles
Waste Category: Other inorganic solid waste
Disposal Method: Disposal, Other
Tons: 0.375
Facility County: San Joaquin

Year: 1998
Gepaid: CAC002105648

COSTCO (Continued) **S103958664**

Contact:	COSTCO WHOLESALES
Telephone:	2098355222
Mailing Name:	Not reported
Mailing Address:	25701 CORPORATE CIR
Mailing City,St,Zip:	TRACY, CA 953760000
Gen County:	San Joaquin
TSD EPA ID:	CAD044429835
TSD County:	Los Angeles
Waste Category:	Other inorganic solid waste
Disposal Method:	Disposal, Other
Tons:	.3000
Facility County:	San Joaquin

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72 **EXCEL ENVIRONMENTAL SERVICES** **HAZNET** **S105092406**
NNE **23399 HANSEN RD** **HWT** **N/A**
> 1 **TRACY, CA 95304**
1.012 mi.
5343 ft.

Relative:
Lower

Actual:
98 ft.

HAZNET:

Year:	2011
Gepaid:	CAL000209350
Contact:	TIM LIGGETT-OWNER
Telephone:	2098146178
Mailing Name:	Not reported
Mailing Address:	23399 HANSEN RD
Mailing City,St,Zip:	TRACY, CA 953040000
Gen County:	Not reported
TSD EPA ID:	Not reported
TSD County:	Not reported
Waste Category:	Waste oil and mixed oil
Disposal Method:	Not reported
Tons:	0.266
Facility County:	San Joaquin

Year:	2011
Gepaid:	CAL000209350
Contact:	TIM LIGGETT-OWNER
Telephone:	2098146178
Mailing Name:	Not reported
Mailing Address:	23399 HANSEN RD
Mailing City,St,Zip:	TRACY, CA 953040000
Gen County:	Not reported
TSD EPA ID:	CAL000190816
TSD County:	Not reported
Waste Category:	Waste oil and mixed oil
Disposal Method:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	464.968
Facility County:	San Joaquin

Year:	2011
Gepaid:	CAL000209350
Contact:	TIM LIGGETT-OWNER
Telephone:	2098146178
Mailing Name:	Not reported
Mailing Address:	23399 HANSEN RD
Mailing City,St,Zip:	TRACY, CA 953040000

EXCEL ENVIRONMENTAL SERVICES (Continued) **S105092406**

Gen County: Not reported
TSD EPA ID: CAL000190816
TSD County: Not reported
Waste Category: Waste oil and mixed oil
Disposal Method: Not reported
Tons: 66.158
Facility County: San Joaquin

Year: 2011
Gepaid: CAL000209350
Contact: TIM LIGGETT-OWNER
Telephone: 2098146178
Mailing Name: Not reported
Mailing Address: 23399 HANSEN RD
Mailing City,St,Zip: TRACY, CA 953040000
Gen County: Not reported
TSD EPA ID: Not reported
TSD County: Not reported
Waste Category: Waste oil and mixed oil
Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 3.971
Facility County: San Joaquin

Year: 2011
Gepaid: CAL000209350
Contact: TIM LIGGETT-OWNER
Telephone: 2098146178
Mailing Name: Not reported
Mailing Address: 23399 HANSEN RD
Mailing City,St,Zip: TRACY, CA 953040000
Gen County: Not reported
TSD EPA ID: CAL000190816
TSD County: Not reported
Waste Category: Not reported
Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 3.39855
Facility County: San Joaquin

Click this hyperlink while viewing on your computer to access
210 additional CA_HAZNET: record(s) in the EDR Site Report.

HWT:
Reg Num: 3662
Expiration Date: 02/28/2013

Q73 **SHELL OIL PRODUCTS US TRACY PUMP STATION** **RCRA-SQG 1007447220**
SW **25705 PATTERSON PASS RD** **HAZNET CAR000153767**
> 1 **TRACY, CA 95376**
1.229 mi.
6490 ft. **Site 1 of 16 in cluster Q**

Relative:
Higher

Actual:
288 ft.

RCRA-SQG:
Date form received by agency: 04/04/2011
Facility name: SHELL OIL PRODUCTS US TRACY PUMP STATION
Facility address: 25705 PATTERSON PASS RD

SHELL OIL PRODUCTS US TRACY PUMP STATION (Continued) **1007447220**

TRACY, CA 95376
EPA ID: CAR000153767
Mailing address: PO BOX 2648
HOUSTON, TX 77252-2648
Contact: RAY WALDING
Contact address: PO BOX 2648
HOUSTON, TX 77252-2648
Contact country: US
Contact telephone: 713-241-7008
Contact email: RAY.WALDING@SHELL.COM
EPA Region: Not reported
Classification: Small Small Quantity Generator
Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:
Owner/operator name: SHELL PIPELINE CO LP
Owner/operator address: PO BOX 2648
HOUSTON, TX 77252
Owner/operator country: US
Owner/operator telephone: 713-241-7008
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 05/01/2002
Owner/Op end date: Not reported

Owner/operator name: SHELL PIPELINE CO LP
Owner/operator address: Not reported
Not reported
Owner/operator country: US
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 05/01/2002
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

SHELL OIL PRODUCTS US TRACY PUMP STATION (Continued) **1007447220**

Historical Generators:
Date form received by agency: 07/20/2010
Facility name: SHELL OIL PRODUCTS US TRACY PUMP STATION
Classification: Small Quantity Generator

Date form received by agency: 11/17/2009
Facility name: SHELL OIL PRODUCTS US TRACY PUMP STATION
Classification: Small Quantity Generator

Date form received by agency: 02/27/2006
Facility name: SHELL OIL PRODUCTS US TRACY PUMP STATION
Site name: TRACY PUMP STATION
Classification: Small Quantity Generator

Date form received by agency: 06/14/2004
Facility name: SHELL OIL PRODUCTS US TRACY PUMP STATION
Site name: SHELL PIPELINE CO LP TRACY PUMP STN
Classification: Large Quantity Generator

Hazardous Waste Summary:
Waste code: 343
Waste name: 343

Waste code: D001
Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Waste code: F005
Waste name: THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Violation Status: No violations found

HAZNET:
Year: 2011
Gepaid: CAR000153767
Contact: RAY WALDING/RESIDUAL DISPOSAL
Telephone: 7132417008
Mailing Name: Not reported
Mailing Address: PO BOX 2648 TSP 1587
Mailing City,St,Zip: HOUSTON, TX 772520000
Gen County: Not reported
TSD EPA ID: CAT000646117
TSD County: Not reported
Waste Category: Not reported
Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)

SHELL OIL PRODUCTS US TRACY PUMP STATION (Continued) **1007447220**

Tons: 0.055
Facility County: San Joaquin

Year: 2011
Gepaid: CAR000153767
Contact: RAY WALDING/RESIDUAL DISPOSAL
Telephone: 7132417008
Mailing Name: Not reported
Mailing Address: PO BOX 2648 TSP 1587
Mailing City,St,Zip: HOUSTON, TX 772520000
Gen County: Not reported
TSD EPA ID: CAT000646117
TSD County: Not reported
Waste Category: Other organic solids
Disposal Method: Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Tons: 0.0975
Facility County: San Joaquin

Year: 2010
Gepaid: CAR000153767
Contact: RAY WALDING/RESIDUAL DISPOSAL
Telephone: 7132417008
Mailing Name: Not reported
Mailing Address: PO BOX 2648 TSP 1587
Mailing City,St,Zip: HOUSTON, TX 772520000
Gen County: Not reported
TSD EPA ID: CAD028409019
TSD County: Not reported
Waste Category: Waste oil and mixed oil
Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.38
Facility County: San Joaquin

Year: 2010
Gepaid: CAR000153767
Contact: RAY WALDING/RESIDUAL DISPOSAL
Telephone: 7132417008
Mailing Name: Not reported
Mailing Address: PO BOX 2648 TSP 1587
Mailing City,St,Zip: HOUSTON, TX 772520000
Gen County: Not reported
TSD EPA ID: CAD028409019
TSD County: Not reported
Waste Category: Other organic solids
Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.075
Facility County: San Joaquin

Year: 2009
Gepaid: CAR000153767
Contact: SONDRA E BIENVENU
Telephone: 7132415036
Mailing Name: Not reported
Mailing Address: PO BOX 2648

SHELL OIL PRODUCTS US TRACY PUMP STATION (Continued) **1007447220**

Mailing City,St,Zip: HOUSTON, TX 772522648
Gen County: San Joaquin
TSD EPA ID: CAD028409019
TSD County: Los Angeles
Waste Category: Waste oil and mixed oil
Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.2
Facility County: San Joaquin

Click this hyperlink while viewing on your computer to access
5 additional CA_HAZNET: record(s) in the EDR Site Report.

Q74 **SHELL PIPELINE-TRACY PUMP STATION** **FINDS** **1005496264**
SW **25705 W PATTERSON PASS RD** **US AIRS** **N/A**
> 1 **TRACY, CA 95376**
1.229 mi.
6490 ft. **Site 2 of 16 in cluster Q**

Relative: Higher

Actual: 288 ft.

FINDS:

Registry ID: 110001163204

Environmental Interest/Information System
AFS (Aerometric Information Retrieval System (AIRS) Facility Subsystem) replaces the former Compliance Data System (CDS), the National Emission Data System (NEDS), and the Storage and Retrieval of Aerometric Data (SAROAD). AIRS is the national repository for information concerning airborne pollution in the United States. AFS is used to track emissions and compliance data from industrial plants. AFS data are utilized by states to prepare State Implementation Plans to comply with regulatory programs and by EPA as an input for the estimation of total national emissions. AFS is undergoing a major redesign to support facility operating permits required under Title V of the Clean Air Act.

The NEI (National Emissions Inventory) database contains information on stationary and mobile sources that emit criteria air pollutants and their precursors, as well as hazardous air pollutants (HAPs).

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

CRITERIA AND HAZARDOUS AIR POLLUTANT INVENTORY

AIRS (AFS):

Compliance and Violation Data Major Sources:
EPA plant ID: 110013822195
Plant name: SHELL PIPELINE-TRACY PUMP STATION
Plant address: 25705 W PATTERSON PASS RD
TRACY, CA 95376
County: SAN JOAQUIN

SHELL PIPELINE-TRACY PUMP STATION (Continued) **1005496264**

Region code:	09
Dunn & Bradst #:	Not reported
Air quality cntrl region:	031
Sic code:	2911
Sic code desc:	PETROLEUM REFINING
North Am. industrial classf:	324110
NAIC code description:	Petroleum Refineries
Default compliance status:	IN COMPLIANCE - INSPECTION
Default classification:	POTENTIAL EMISSIONS ARE BELOW ALL APPLICABLE MAJOR SOURCE THRESHOLDS IF AND ONLY IF THE SOURCE COMPLIES WITH FEDERALLY ENFORCEABLE REGULATIONS OR LIMITATIONS.
Govt facility:	ALL OTHER FACILITIES NOT OWNED OR OPERATED BY A FEDERAL, STATE, OR LOCAL GOVERNMENT
Current HPV:	Not reported

Compliance and Enforcement Major Issues:

Air program:	SIP SOURCE
National action type:	MULTI MEDIA INSPECTION - LEVEL 2 OR GREATER
Date achieved:	000615
Penalty amount:	000000000
Air program:	SIP SOURCE
National action type:	MULTI MEDIA INSPECTION - LEVEL 2 OR GREATER
Date achieved:	010730
Penalty amount:	000000000
Air program:	SIP SOURCE
National action type:	STATE DAY 0
Date achieved:	010901
Penalty amount:	Not reported
Air program:	SIP SOURCE
National action type:	NXXXXX
Date achieved:	010901
Penalty amount:	Not reported
Air program:	SIP SOURCE
National action type:	OWNER/OPERATOR CONDUCTED SOURCE TEST
Date achieved:	010925
Penalty amount:	Not reported
Air program:	SIP SOURCE
National action type:	NXXXXX
Date achieved:	021010
Penalty amount:	000000300
Air program:	SIP SOURCE
National action type:	SV RESOLVED
Date achieved:	030204
Penalty amount:	Not reported
Air program:	SIP SOURCE
National action type:	STATE CONDUCTED PCE/ ON-SITE
Date achieved:	030220
Penalty amount:	Not reported

SHELL PIPELINE-TRACY PUMP STATION (Continued) **1005496264**

Air program: SIP SOURCE
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 040517
Penalty amount: Not reported

Air program: SIP SOURCE
National action type: OWNER/OPERATOR CONDUCTED SOURCE TEST
Date achieved: 060509
Penalty amount: Not reported

Air program: SIP SOURCE
National action type: STATE CONDUCTED FCE / ON-SITE
Date achieved: 061012
Penalty amount: Not reported

Air program: SIP SOURCE
National action type: EPA INSPECTION - LEVEL 2 OR GREATER
Date achieved: 980520
Penalty amount: 000000000

Air program: SIP SOURCE
National action type: MULTI MEDIA INSPECTION - LEVEL 2 OR GREATER
Date achieved: 980521
Penalty amount: 000000000

Air program: SIP SOURCE
National action type: STATE DAY 0
Date achieved: 980615
Penalty amount: 000000000

Air program: SIP SOURCE
National action type: NXXXXX
Date achieved: 980615
Penalty amount: 000000000

Air program: SIP SOURCE
National action type: STATE DAY 0
Date achieved: 980801
Penalty amount: 000000000

Air program: SIP SOURCE
National action type: NXXXXX
Date achieved: 980801
Penalty amount: 000000000

Air program: SIP SOURCE
National action type: NXXXXX
Date achieved: 981111
Penalty amount: 000000000

Air program: SIP SOURCE
National action type: NXXXXX
Date achieved: 990427
Penalty amount: 000000000

Air program: SIP SOURCE
National action type: SV RESOLVED

SHELL PIPELINE-TRACY PUMP STATION (Continued) **1005496264**

Date achieved: 990427
Penalty amount: 000000000

Air program: SIP SOURCE
National action type: MULTI MEDIA INSPECTION - LEVEL 2 OR GREATER
Date achieved: 990713
Penalty amount: 000000000

Air program: SIP SOURCE
National action type: NXXXXX
Date achieved: 991018
Penalty amount: 000004375

Air program: SIP SOURCE
National action type: NXXXXX
Date achieved: 991018
Penalty amount: 000001094

Air program: SIP SOURCE
National action type: SV RESOLVED
Date achieved: 991228
Penalty amount: 000004375

Air program: SIP SOURCE
National action type: SV RESOLVED
Date achieved: 991228
Penalty amount: 000001094

Historical Compliance Minor Sources:
State compliance status: IN COMPLIANCE - INSPECTION
Hist compliance date: 0904
Air prog code hist file: 0

State compliance status: IN COMPLIANCE - INSPECTION
Hist compliance date: 1001
Air prog code hist file: 0

State compliance status: IN COMPLIANCE - INSPECTION
Hist compliance date: 1002
Air prog code hist file: 0

State compliance status: IN COMPLIANCE - INSPECTION
Hist compliance date: 1003
Air prog code hist file: 0

State compliance status: IN COMPLIANCE - INSPECTION
Hist compliance date: 1004
Air prog code hist file: 0

State compliance status: IN COMPLIANCE - INSPECTION
Hist compliance date: 1101
Air prog code hist file: 0

State compliance status: IN COMPLIANCE - INSPECTION
Hist compliance date: 1102
Air prog code hist file: 0

SHELL PIPELINE-TRACY PUMP STATION (Continued) **1005496264**

State compliance status: IN COMPLIANCE - INSPECTION
Hist compliance date: 1103
Air prog code hist file: 0

State compliance status: IN COMPLIANCE - INSPECTION
Hist compliance date: 1104
Air prog code hist file: 0

State compliance status: IN COMPLIANCE - INSPECTION
Hist compliance date: 1201
Air prog code hist file: 0

State compliance status: IN COMPLIANCE - INSPECTION
Hist compliance date: 1202
Air prog code hist file: 0

State compliance status: IN COMPLIANCE - INSPECTION
Hist compliance date: 1203
Air prog code hist file: 0

Permit Information:
Compliance plant ID: N0846
Permit number: 970264
Permit category: V
Permit category desc: TITLE V PERMIT - PLANT SP

Permit Source:
Compliance plant ID: N0846
Plant name: SHELL PIPELINE-TRACY PUMP STATION
Plant address: 25705 W PATTERSON PASS RD
TRACY, CA 95376

Event Information:
Compliance permit ID: N0846
Permit number: 970264
Event action type: IF
Event description: *PERMIT AUTHORITY ISSUES FINAL PERMIT
Event action #: 001
Event date: 19980501

Q75 **EQUILON** **EMI** **S106830727**
SW **25705 PATTERSON PASS RD** **N/A**
> 1 **TRACY, CA 95376**
1.240 mi.
6547 ft. **Site 3 of 16 in cluster Q**

Relative:
Higher

Actual:
287 ft.

EMI:
Year: 1996
County Code: 39
Air Basin: SJV
Facility ID: 846
Air District Name: SJU
SIC Code: 4612
Air District Name: SAN JOAQUIN VALLEY UNIFIED APCD
Community Health Air Pollution Info System: Not reported

EQUILON (Continued) **S106830727**

Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	1
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	2
NOX - Oxides of Nitrogen Tons/Yr:	20
SOX - Oxides of Sulphur Tons/Yr:	57
Particulate Matter Tons/Yr:	5
Part. Matter 10 Micrometers & Smllr Tons/Yr:	5

Year:	1997
County Code:	39
Air Basin:	SJV
Facility ID:	846
Air District Name:	SJU
SIC Code:	4612
Air District Name:	SAN JOAQUIN VALLEY UNIFIED APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	1
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	2
NOX - Oxides of Nitrogen Tons/Yr:	20
SOX - Oxides of Sulphur Tons/Yr:	57
Particulate Matter Tons/Yr:	5
Part. Matter 10 Micrometers & Smllr Tons/Yr:	5

Year:	1998
County Code:	39
Air Basin:	SJV
Facility ID:	846
Air District Name:	SJU
SIC Code:	4612
Air District Name:	SAN JOAQUIN VALLEY UNIFIED APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	1
Reactive Organic Gases Tons/Yr:	1
Carbon Monoxide Emissions Tons/Yr:	2
NOX - Oxides of Nitrogen Tons/Yr:	22
SOX - Oxides of Sulphur Tons/Yr:	62
Particulate Matter Tons/Yr:	5
Part. Matter 10 Micrometers & Smllr Tons/Yr:	4

Year:	1999
County Code:	39
Air Basin:	SJV
Facility ID:	846
Air District Name:	SJU
SIC Code:	4612
Air District Name:	SAN JOAQUIN VALLEY UNIFIED APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	1
Reactive Organic Gases Tons/Yr:	1
Carbon Monoxide Emissions Tons/Yr:	2
NOX - Oxides of Nitrogen Tons/Yr:	24
SOX - Oxides of Sulphur Tons/Yr:	69

EQUILON (Continued) **S106830727**

Particulate Matter Tons/Yr:	6
Part. Matter 10 Micrometers & Smllr Tons/Yr:	5
Year:	2000
County Code:	39
Air Basin:	SJV
Facility ID:	846
Air District Name:	SJU
SIC Code:	4612
Air District Name:	SAN JOAQUIN VALLEY UNIFIED APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	2
NOX - Oxides of Nitrogen Tons/Yr:	16
SOX - Oxides of Sulphur Tons/Yr:	44
Particulate Matter Tons/Yr:	4
Part. Matter 10 Micrometers & Smllr Tons/Yr:	3

Q76 **SHELL TRACY PUMP STATION** **SLIC** **S106842917**
SW **25705 PATTERSON PASS RD S** **N/A**
> 1 **TRACY, CA**
1.240 mi.
6547 ft. **Site 4 of 16 in cluster Q**

Relative:
Higher

Actual:
287 ft.

SLIC REG 5:

Region:	5
Facility Status:	Preliminary Assessment
Unit:	Facility is a Spill or site
Pollutant:	TPH-d, acetone
Lead Agency:	Not reported
Date Filed:	11/02/04
Report Date:	11/02/04
Date Added:	11/29/2004
Date Closed:	Not reported

Q77 **ERNS** **2008886241**
SW **25705 PATTERSON PASS RD** **N/A**
> 1 **TRACY, CA**
1.240 mi.
6547 ft. **Site 5 of 16 in cluster Q**

Relative:
Higher

Actual:
287 ft.

Click this hyperlink while viewing on your computer to access additional ERNS detail in the EDR Site Report.

Q78
SW
> 1
1.240 mi.
6547 ft.

SHELL PIPELINE COMPANY LP-TRACY PUMP STATION
25705 WEST PATTERSON PASS RD.
TRACY, CA 95376

Site 6 of 16 in cluster Q

HAZNET | **S105126629** | **N/A**

Relative:
Higher

Actual:
287 ft.

HAZNET:

Year:	2003
Gepaid:	CAL000149106
Contact:	SANDRA BIENVENU
Telephone:	7132415036
Mailing Name:	EQUILON ENTERPRISES LLC
Mailing Address:	PO BOX 2648 TSP1505A
Mailing City,St,Zip:	HOUSTON, TX 77252
Gen County:	San Joaquin
TSD EPA ID:	CAD028409019
TSD County:	San Joaquin
Waste Category:	Empty containers less than 30 gallons
Disposal Method:	Transfer Station
Tons:	0.08
Facility County:	San Joaquin

Year:	2002
Gepaid:	CAL000149106
Contact:	SANDRA BIENVENU
Telephone:	7132415036
Mailing Name:	Not reported
Mailing Address:	PO BOX 2648
Mailing City,St,Zip:	HOUSTON, TX 77252
Gen County:	San Joaquin
TSD EPA ID:	Not reported
TSD County:	Los Angeles
Waste Category:	Other inorganic solid waste
Disposal Method:	Transfer Station
Tons:	3.50
Facility County:	Not reported

Year:	2002
Gepaid:	CAL000149106
Contact:	SANDRA BIENVENU
Telephone:	7132415036
Mailing Name:	Not reported
Mailing Address:	PO BOX 2648
Mailing City,St,Zip:	HOUSTON, TX 77252
Gen County:	San Joaquin
TSD EPA ID:	Not reported
TSD County:	Kern
Waste Category:	Contaminated soil from site clean-up
Disposal Method:	Disposal, Land Fill
Tons:	16.85
Facility County:	Not reported

Year:	2001
Gepaid:	CAL000149106
Contact:	SANDRA BIENVENU
Telephone:	7132415036
Mailing Name:	Not reported
Mailing Address:	PO BOX 2648
Mailing City,St,Zip:	HOUSTON, TX 77252

SHELL PIPELINE COMPANY LP-TRACY PUMP STATION (Continued) **S105126629**

Gen County:	San Joaquin
TSD EPA ID:	Not reported
TSD County:	Kern
Waste Category:	Asbestos containing waste
Disposal Method:	Not reported
Tons:	50.56
Facility County:	Not reported

Year:	2001
Gepaid:	CAL000149106
Contact:	SANDRA BIENVENU
Telephone:	7132415036
Mailing Name:	Not reported
Mailing Address:	PO BOX 2648
Mailing City,St,Zip:	HOUSTON, TX 77252
Gen County:	San Joaquin
TSD EPA ID:	Not reported
TSD County:	Kern
Waste Category:	Other organic solids
Disposal Method:	Disposal, Land Fill
Tons:	3.33
Facility County:	Not reported

Click this hyperlink while viewing on your computer to access
4 additional CA_HAZNET: record(s) in the EDR Site Report.

Q79 **ATLANTIC RICHFIELD OIL COMPANY (ARCO)** **EMI** **S107620180**
SW **25775 S PATTERSON PASS ROAD** **N/A**
> 1 **TRACY, CA 95376**
1.249 mi.
6593 ft. **Site 7 of 16 in cluster Q**

Relative:
Higher

Actual:
289 ft.

EMI:

Year:	2004
County Code:	39
Air Basin:	SJV
Facility ID:	5026
Air District Name:	SJU
SIC Code:	4959
Air District Name:	SAN JOAQUIN VALLEY UNIFIED APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	1.057830046
Reactive Organic Gases Tons/Yr:	0.73900007
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

Year:	2005
County Code:	39
Air Basin:	SJV
Facility ID:	5026
Air District Name:	SJU
SIC Code:	4959
Air District Name:	SAN JOAQUIN VALLEY UNIFIED APCD
Community Health Air Pollution Info System:	Not reported

ATLANTIC RICHFIELD OIL COMPANY (ARCO) (Continued) **S107620180**

Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	.0267746845697351587
Reactive Organic Gases Tons/Yr:	.0220747349796293
Carbon Monoxide Emissions Tons/Yr:	.0231945
NOX - Oxides of Nitrogen Tons/Yr:	.165675
SOX - Oxides of Sulphur Tons/Yr:	.0181138
Particulate Matter Tons/Yr:	.0069425714285714285
Part. Matter 10 Micrometers & Smllr Tons/Yr:	.0048598

Year:	2006
County Code:	39
Air Basin:	SJV
Facility ID:	5026
Air District Name:	SJU
SIC Code:	4959
Air District Name:	SAN JOAQUIN VALLEY UNIFIED APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	.3537238902376930118
Reactive Organic Gases Tons/Yr:	.311424781995772
Carbon Monoxide Emissions Tons/Yr:	.0231945
NOX - Oxides of Nitrogen Tons/Yr:	.165675
SOX - Oxides of Sulphur Tons/Yr:	.0181138
Particulate Matter Tons/Yr:	.0069425714285714285
Part. Matter 10 Micrometers & Smllr Tons/Yr:	.0048598

Year:	2007
County Code:	39
Air Basin:	SJV
Facility ID:	5026
Air District Name:	SJU
SIC Code:	4959
Air District Name:	SAN JOAQUIN VALLEY UNIFIED APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	.3594167360237169168
Reactive Organic Gases Tons/Yr:	.3154018040618883
Carbon Monoxide Emissions Tons/Yr:	.0383794933433533
NOX - Oxides of Nitrogen Tons/Yr:	.274139238166809
SOX - Oxides of Sulphur Tons/Yr:	.0299725567062378
Particulate Matter Tons/Yr:	.0114877395041329571
Part. Matter 10 Micrometers & Smllr Tons/Yr:	.00804141765289307

Year:	2007
County Code:	39
Air Basin:	SJV
Facility ID:	5026
Air District Name:	SJU
SIC Code:	4959
Air District Name:	SAN JOAQUIN VALLEY UNIFIED APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	.2751394203356359330
Reactive Organic Gases Tons/Yr:	.2397627922947568
Carbon Monoxide Emissions Tons/Yr:	.0418636059036255
NOX - Oxides of Nitrogen Tons/Yr:	.299025756454468
SOX - Oxides of Sulphur Tons/Yr:	.0326934827056885

ATLANTIC RICHFIELD OIL COMPANY (ARCO) (Continued) **S107620180**

Particulate Matter Tons/Yr: .00877142218933106
Part. Matter 10 Micrometers & Smllr Tons/Yr: .00877142218933106

Q80 **ARCO #06100 - ARP MINIMART CORPORATION** **EMI** **S107620152**
SW **25775 S PATTERSON PASS RD** **N/A**
> 1 **TRACY, CA 95376**
1.249 mi.
6593 ft. **Site 8 of 16 in cluster Q**

Relative:
Higher

Actual:
289 ft.

EMI:

Year:	2004
County Code:	39
Air Basin:	SJV
Facility ID:	76
Air District Name:	SJU
SIC Code:	5541
Air District Name:	SAN JOAQUIN VALLEY UNIFIED APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	1.240918466
Reactive Organic Gases Tons/Yr:	1.23474108
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

Year:	2005
County Code:	39
Air Basin:	SJV
Facility ID:	76
Air District Name:	SJU
SIC Code:	5541
Air District Name:	SAN JOAQUIN VALLEY UNIFIED APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	1.240918466378805935
Reactive Organic Gases Tons/Yr:	1.23474108
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

Q81 **ARCO FAC NO. 6100** **CA FID UST** **S101592653**
SW **25775 S PATTERSON PASS RD** **SWEEPS UST** **N/A**
> 1 **TRACY, CA 95376** **HAZNET**
1.249 mi.
6593 ft. **Site 9 of 16 in cluster Q**

Relative:
Higher

Actual:
289 ft.

CA FID UST:

Facility ID:	39000084
Regulated By:	UTNKA
Regulated ID:	Not reported
Cortese Code:	Not reported
SIC Code:	Not reported

ARCO FAC NO. 6100 (Continued) **S101592653**

Facility Phone: 2098357777
Mail To: Not reported
Mailing Address: P.O. BOX 5811
Mailing Address 2: Not reported
Mailing City,St,Zip: TRACY 95376
Contact: Not reported
Contact Phone: Not reported
DUNs Number: Not reported
NPDES Number: Not reported
EPA ID: Not reported
Comments: Not reported
Status: Active

SWEEPS UST:
Status: Active
Comp Number: 1708
Number: 1
Board Of Equalization: 44-000506
Referral Date: 02-18-92
Action Date: 02-18-92
Created Date: 07-15-88
Tank Status: A
Owner Tank Id: Not reported
Swrcb Tank Id: 39-000-001708-000007
Actv Date: 01-31-91
Capacity: 10000
Tank Use: M.V. FUEL
Stg: P
Content: REG UNLEADED
Number Of Tanks: 4

Status: Active
Comp Number: 1708
Number: 1
Board Of Equalization: 44-000506
Referral Date: 02-18-92
Action Date: 02-18-92
Created Date: 07-15-88
Tank Status: A
Owner Tank Id: Not reported
Swrcb Tank Id: 39-000-001708-000008
Actv Date: 01-31-91
Capacity: 10000
Tank Use: M.V. FUEL
Stg: P
Content: LEADED
Number Of Tanks: Not reported

Status: Active
Comp Number: 1708
Number: 1
Board Of Equalization: 44-000506
Referral Date: 02-18-92
Action Date: 02-18-92
Created Date: 07-15-88
Tank Status: A
Owner Tank Id: Not reported

ARCO FAC NO. 6100 (Continued) **S101592653**

Swrcb Tank Id:	39-000-001708-000009
Actv Date:	01-31-91
Capacity:	10000
Tank Use:	M.V. FUEL
Stg:	P
Content:	REG UNLEADED
Number Of Tanks:	Not reported
Status:	Active
Comp Number:	1708
Number:	1
Board Of Equalization:	44-000506
Referral Date:	02-18-92
Action Date:	02-18-92
Created Date:	07-15-88
Tank Status:	A
Owner Tank Id:	Not reported
Swrcb Tank Id:	39-000-001708-000010
Actv Date:	01-31-91
Capacity:	10000
Tank Use:	M.V. FUEL
Stg:	P
Content:	REG UNLEADED
Number Of Tanks:	Not reported
Status:	Not reported
Comp Number:	1708
Number:	Not reported
Board Of Equalization:	44-000506
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Tank Status:	Not reported
Owner Tank Id:	Not reported
Swrcb Tank Id:	39-000-001708-000001
Actv Date:	Not reported
Capacity:	6000
Tank Use:	M.V. FUEL
Stg:	PRODUCT
Content:	LEADED
Number Of Tanks:	6
Status:	Not reported
Comp Number:	1708
Number:	Not reported
Board Of Equalization:	44-000506
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Tank Status:	Not reported
Owner Tank Id:	Not reported
Swrcb Tank Id:	39-000-001708-000002
Actv Date:	Not reported
Capacity:	6000
Tank Use:	M.V. FUEL
Stg:	PRODUCT
Content:	LEADED

ARCO FAC NO. 6100 (Continued) **S101592653**

Number Of Tanks: Not reported

Status: Not reported
Comp Number: 1708
Number: Not reported
Board Of Equalization: 44-000506
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Tank Status: Not reported
Owner Tank Id: Not reported
Swrcb Tank Id: 39-000-001708-000003
Actv Date: Not reported
Capacity: 6000
Tank Use: M.V. FUEL
Stg: PRODUCT
Content: REG UNLEADED
Number Of Tanks: Not reported

Status: Not reported
Comp Number: 1708
Number: Not reported
Board Of Equalization: 44-000506
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Tank Status: Not reported
Owner Tank Id: Not reported
Swrcb Tank Id: 39-000-001708-000004
Actv Date: Not reported
Capacity: 6000
Tank Use: M.V. FUEL
Stg: PRODUCT
Content: REG UNLEADED
Number Of Tanks: Not reported

Status: Not reported
Comp Number: 1708
Number: Not reported
Board Of Equalization: 44-000506
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Tank Status: Not reported
Owner Tank Id: Not reported
Swrcb Tank Id: 39-000-001708-000005
Actv Date: Not reported
Capacity: 6000
Tank Use: M.V. FUEL
Stg: PRODUCT
Content: LEADED
Number Of Tanks: Not reported

Status: Not reported
Comp Number: 1708
Number: Not reported
Board Of Equalization: 44-000506

ARCO FAC NO. 6100 (Continued) **S101592653**

Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Tank Status:	Not reported
Owner Tank Id:	Not reported
Swrcb Tank Id:	39-000-001708-000006
Actv Date:	Not reported
Capacity:	500
Tank Use:	OIL
Stg:	WASTE
Content:	WASTE OIL
Number Of Tanks:	Not reported

HAZNET:

Year:	2008
Gepaid:	CAL000225809
Contact:	RUTH HA / WASTE SPECIALIST
Telephone:	5035246191
Mailing Name:	Not reported
Mailing Address:	PO BOX 80249
Mailing City,St,Zip:	RCHO STA MARG, CA 926880000
Gen County:	San Joaquin
TSD EPA ID:	CAT080013352
TSD County:	Los Angeles
Waste Category:	Aqueous solution with total organic residues less than 10 percent
Disposal Method:	Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Tons:	3.108
Facility County:	San Joaquin

Year:	2007
Gepaid:	CAL000225809
Contact:	RUTH HA / WASTE SPECIALIST
Telephone:	5035246191
Mailing Name:	Not reported
Mailing Address:	PO BOX 80249
Mailing City,St,Zip:	RCHO STA MARG, CA 926880000
Gen County:	San Joaquin
TSD EPA ID:	CAT080013352
TSD County:	Los Angeles
Waste Category:	Aqueous solution with total organic residues less than 10 percent
Disposal Method:	Discharge To Sewer/Potw Or Npdes(With Prior Storage--With Or Without Treatment)
Tons:	1.05
Facility County:	San Joaquin

Year:	2007
Gepaid:	CAL000225809
Contact:	RUTH HA / WASTE SPECIALIST
Telephone:	5035246191
Mailing Name:	Not reported
Mailing Address:	PO BOX 80249
Mailing City,St,Zip:	RCHO STA MARG, CA 926880000
Gen County:	San Joaquin
TSD EPA ID:	CAT080013352
TSD County:	Los Angeles
Waste Category:	Off-specification, aged or surplus organics

ARCO FAC NO. 6100 (Continued) **S101592653**

Disposal Method:	Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Tons:	0.19
Facility County:	San Joaquin
Year:	2007
Gepaid:	CAL000225809
Contact:	RUTH HA / WASTE SPECIALIST
Telephone:	5035246191
Mailing Name:	Not reported
Mailing Address:	PO BOX 80249
Mailing City,St,Zip:	RCHO STA MARG, CA 926880000
Gen County:	San Joaquin
TSD EPA ID:	CAT080013352
TSD County:	Los Angeles
Waste Category:	Aqueous solution with total organic residues less than 10 percent
Disposal Method:	Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Tons:	0.25
Facility County:	San Joaquin
Year:	2005
Gepaid:	CAL000225809
Contact:	JACK OMAN WASTE SPECIALIST
Telephone:	7146703958
Mailing Name:	Not reported
Mailing Address:	PO BOX 80249
Mailing City,St,Zip:	RCHO STA MARG, CA 926880000
Gen County:	San Joaquin
TSD EPA ID:	CAD059494310
TSD County:	Santa Clara
Waste Category:	Unspecified organic liquid mixture
Disposal Method:	Not reported
Tons:	0.35
Facility County:	Not reported

Click this hyperlink while viewing on your computer to access
4 additional CA_HAZNET: record(s) in the EDR Site Report.

Q82 **ARCO STATION #6100*** **UST** **U003948783**
SW **25775 PATTERSON PASS RD** **N/A**
> 1 **TRACY, CA 95377**
1.249 mi.
6593 ft. **Site 10 of 16 in cluster Q**

Relative:
Higher

Actual:
289 ft.

UST:

Facility ID:	FA0003619
Latitude:	37.719
Longitude:	-121.53662

Q83 **ARP MINI MART CORP** **UST** **U004023305**
SW **25775 S PATTERSON PASS RD** **N/A**
> 1 **TRACY, CA 95376**
1.249 mi.
6593 ft. **Site 11 of 16 in cluster Q**

Relative:
Higher

Actual:
289 ft.

UST SAN JOAQUIN:

Region:	SJ
Facility Id:	FA0003619
Mail Address:	25775 S PATTERSON PASS RD
Mail Care of:	PATEL, GIRA I
Mail City,St,Zip:	TRACY, CA 95376
Tank Rec ID:	TA0170801
Tank Number:	1
Tank Status:	CLOSED
Tank Capacity:	6000
Product Code/Type:	09/OTHER
Program Element:	2360
Tank Rec ID:	TA0170810
Tank Number:	10
Tank Status:	ACTIVE
Tank Capacity:	10000
Product Code/Type:	1B/PREMIUM UNLEADED
Program Element:	2360
Tank Rec ID:	TA0170802
Tank Number:	2
Tank Status:	CLOSED
Tank Capacity:	6000
Product Code/Type:	09/OTHER
Program Element:	2360
Tank Rec ID:	TA0170803
Tank Number:	3
Tank Status:	CLOSED
Tank Capacity:	6000
Product Code/Type:	09/OTHER
Program Element:	2360
Tank Rec ID:	TA0170804
Tank Number:	4
Tank Status:	CLOSED
Tank Capacity:	6000
Product Code/Type:	09/OTHER
Program Element:	2360
Tank Rec ID:	TA0170805
Tank Number:	5
Tank Status:	CLOSED
Tank Capacity:	6000
Product Code/Type:	09/OTHER
Program Element:	2360

ARP MINI MART CORP (Continued) **U004023305**

Tank Rec ID: TA0170806
Tank Number: 6
Tank Status: CLOSED
Tank Capacity: 500
Product Code/Type: 09/OTHER
Program Element: 2360

Tank Rec ID: TA0170807
Tank Number: 7
Tank Status: ACTIVE
Tank Capacity: 10000
Product Code/Type: 1A/REGULAR UNLEADED
Program Element: 2362

Tank Rec ID: TA0170808
Tank Number: 8
Tank Status: ACTIVE
Tank Capacity: 10000
Product Code/Type: 1A/REGULAR UNLEADED
Program Element: 2360

Tank Rec ID: TA0170809
Tank Number: 9
Tank Status: ACTIVE
Tank Capacity: 10000
Product Code/Type: 1A/REGULAR UNLEADED
Program Element: 2360

Q84 **RICHARD D BOKIDES** **HIST UST U001608527**
SW **25775 PATTERSON PASS RD** **HAZNET N/A**
> 1 **TRACY, CA 95376**
1.249 mi.
6593 ft. **Site 12 of 16 in cluster Q**

Relative:
Higher

Actual:
289 ft.

HIST UST:
Region: STATE
Facility ID: 00000027085
Facility Type: Gas Station
Other Type: Not reported
Total Tanks: 0005
Contact Name: Not reported
Telephone: 0000000000
Owner Name: ARCO PETROLEUM PRODUCTS CO.
Owner Address: 515 SOUTH FLOWER STREET
Owner City,St,Zip: LOS ANGELES, CA 90071

Tank Num: 001
Container Num: 0000000001
Year Installed: 1979
Tank Capacity: 00010000
Tank Used for: PRODUCT
Type of Fuel: 06
Tank Construction: Not reported
Leak Detection: Stock Inventor, 10

RICHARD D BOKIDES (Continued) **U001608527**

Tank Num: 002
Container Num: 0000000002
Year Installed: 1979
Tank Capacity: 00006000
Tank Used for: PRODUCT
Type of Fuel: 06
Tank Construction: Not reported
Leak Detection: Stock Inventor, 10

Tank Num: 003
Container Num: 0000000003
Year Installed: 1969
Tank Capacity: 00006000
Tank Used for: PRODUCT
Type of Fuel: 06
Tank Construction: 0000240 inches
Leak Detection: Stock Inventor, 10

Tank Num: 004
Container Num: 0000000004
Year Installed: 1969
Tank Capacity: 00004000
Tank Used for: PRODUCT
Type of Fuel: 06
Tank Construction: 0000167 inches
Leak Detection: Stock Inventor, 10

Tank Num: 005
Container Num: 0000000005
Year Installed: 1969
Tank Capacity: 00004000
Tank Used for: PRODUCT
Type of Fuel: 06
Tank Construction: 0000167 inches
Leak Detection: Stock Inventor, 10

HAZNET:
Year: 2006
Gepaid: CAL000039442
Contact: WASTE SPECIALIST
Telephone: 7146703958
Mailing Name: Not reported
Mailing Address: PO BOX 80249
Mailing City,St,Zip: RCHO STA MARG, CA 926880000
Gen County: San Joaquin
TSD EPA ID: CAD009452657
TSD County: San Mateo
Waste Category: Hydrocarbon solvents (benzene, hexane, Stoddard, Etc.)
Disposal Method: Recycler
Tons: 0.45
Facility County: San Joaquin

Year: 2005
Gepaid: CAL000039442
Contact: WASTE SPECIALIST
Telephone: 7146703958
Mailing Name: Not reported

RICHARD D BOKIDES (Continued) **U001608527**

Mailing Address:	PO BOX 80249
Mailing City,St,Zip:	RCHO STA MARG, CA 926880000
Gen County:	San Joaquin
TSD EPA ID:	CAD009452657
TSD County:	San Mateo
Waste Category:	Hydrocarbon solvents (benzene, hexane, Stoddard, Etc.)
Disposal Method:	Recycler
Tons:	0.22
Facility County:	Not reported

Year:	2003
Gepaid:	CAL000039442
Contact:	CARLOS RODRIGUEZ/ENV COMPL ADM
Telephone:	7146705402
Mailing Name:	Not reported
Mailing Address:	PO BOX 80249
Mailing City,St,Zip:	RCHO STA MARG, CA 926880000
Gen County:	San Joaquin
TSD EPA ID:	CAD009452657
TSD County:	San Joaquin
Waste Category:	Aqueous solution with total organic residues 10 percent or more
Disposal Method:	Recycler
Tons:	0.45
Facility County:	San Joaquin

Q85 **EDR US Hist Auto Stat** **1015369552**
SW **25775 PATTERSON PASS RD** **N/A**
> 1 **TRACY, CA 95377**
1.249 mi.
6593 ft. **Site 13 of 16 in cluster Q**

Relative:
Higher

Actual:
289 ft.

EDR Historical Auto Stations:

Name:	A B C ARCO
Year:	1999
Address:	25775 PATTERSON PASS RD

Name:	A B C ARCO
Year:	2000
Address:	25775 PATTERSON PASS RD

Name:	ABC ARCO
Year:	2001
Address:	25775 PATTERSON PASS RD

Name:	ABC ARCO
Year:	2002
Address:	25775 PATTERSON PASS RD

Q86
SW
> 1
1.249 mi.
6593 ft.

ATLANTIC RICHFIELD OIL COMPANY (ARCO)
25775 S PATTERSON PASS ROAD
TRACY, CA 95377

Site 14 of 16 in cluster Q

FINDS **1011976078**
N/A

Relative:
Higher

Actual:
289 ft.

FINDS:

Registry ID: 110038095799

Environmental Interest/Information System
The NEI (National Emissions Inventory) database contains information on stationary and mobile sources that emit criteria air pollutants and their precursors, as well as hazardous air pollutants (HAPs).

CRITERIA AND HAZARDOUS AIR POLLUTANT INVENTORY

Q87
SW
> 1
1.249 mi.
6593 ft.

ARCO #06100 - ARP MINIMART CORPORATION
25775 S PATTERSON PASS RD
TRACY, CA 95377

Site 15 of 16 in cluster Q

FINDS **1011977143**
N/A

Relative:
Higher

Actual:
289 ft.

FINDS:

Registry ID: 110038084694

Environmental Interest/Information System
The NEI (National Emissions Inventory) database contains information on stationary and mobile sources that emit criteria air pollutants and their precursors, as well as hazardous air pollutants (HAPs).

CRITERIA AND HAZARDOUS AIR POLLUTANT INVENTORY

Q88
SW
> 1
1.253 mi.
6615 ft.

25705 WEST PATTERSON PASS RD
TRACY, CA

Site 16 of 16 in cluster Q

ERNS **2001558061**
N/A

Relative:
Higher

Actual:
287 ft.

Click this hyperlink while viewing on your computer to access additional ERNS detail in the EDR Site Report.

89
North
> 1
1.285 mi.
6786 ft.

DOUGLAS LITTLE
17250 VON SOSTEN RD
TRACY, CA 95376

HIST UST **U001608445**
N/A

Relative:
Lower

Actual:
92 ft.

HIST UST:
Region: STATE
Facility ID: 00000060054
Facility Type: Other
Other Type: FARM
Total Tanks: 0001

DOUGLAS LITTLE (Continued) **U001608445**

Contact Name: Not reported
Telephone: 2098360770
Owner Name: DOUGLAS LITTLE
Owner Address: 17250 W. VON SOSTEN RD
Owner City,St,Zip: TRACY, CA 95376

Tank Num: 001
Container Num: 1
Year Installed: 1960
Tank Capacity: 00000500
Tank Used for: PRODUCT
Type of Fuel: REGULAR
Tank Construction: Not reported
Leak Detection: Stock Inventor

R90 **LAMMERSVILLE SCHOOL DIST** **CA FID UST** **S101626853**
NNE **16555 W VON SOSTEN** **SWEEPS UST** **N/A**
> 1 **TRACY, CA 95376**
1.340 mi.
7074 ft. **Site 1 of 6 in cluster R**

Relative:
Lower

Actual:
78 ft.

CA FID UST:
Facility ID: 39000040
Regulated By: UTNKI
Regulated ID: Not reported
Cortese Code: Not reported
SIC Code: Not reported
Facility Phone: Not reported
Mail To: Not reported
Mailing Address: 16555 W VON SOSTEN
Mailing Address 2: Not reported
Mailing City,St,Zip: TRACY 95376
Contact: Not reported
Contact Phone: Not reported
DUNs Number: Not reported
NPDES Number: Not reported
EPA ID: Not reported
Comments: Not reported
Status: Inactive

SWEEPS UST:
Status: Not reported
Comp Number: 1749
Number: Not reported
Board Of Equalization: Not reported
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Tank Status: Not reported
Owner Tank Id: Not reported
Swrcb Tank Id: 39-000-001749-000001
Actv Date: Not reported
Capacity: 2000
Tank Use: M.V. FUEL
Stg: PRODUCT
Content: DIESEL
Number Of Tanks: 2

LAMMERSVILLE SCHOOL DIST (Continued) **S101626853**

Status:	Not reported
Comp Number:	1749
Number:	Not reported
Board Of Equalization:	Not reported
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Tank Status:	Not reported
Owner Tank Id:	Not reported
Swrcb Tank Id:	39-000-001749-000002
Actv Date:	Not reported
Capacity:	550
Tank Use:	M.V. FUEL
Stg:	PRODUCT
Content:	LEADED
Number Of Tanks:	Not reported

R91 **LAMMERSVILLE SCHOOL** **LUST** **S105034718**
NNE **16555 VON SOSTEN RD W** **N/A**
> 1 **TRACY, CA 95376**
1.340 mi.
7074 ft. **Site 2 of 6 in cluster R**

Relative:
Lower

Actual:
78 ft.

LUST:

Region:	STATE
Global Id:	T0607700062
Latitude:	37.751474
Longitude:	-121.514932
Case Type:	LUST Cleanup Site
Status:	Completed - Case Closed
Status Date:	05/29/1997
Lead Agency:	SAN JOAQUIN COUNTY LOP
Case Worker:	ML
Local Agency:	SAN JOAQUIN COUNTY LOP
RB Case Number:	390088
LOC Case Number:	1749
File Location:	Not reported
Potential Media Affect:	Aquifer used for drinking water supply
Potential Contaminants of Concern:	Gasoline
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

LUST:

Global Id:	T0607700062
Contact Type:	Regional Board Caseworker
Contact Name:	JAMES BARTON
Organization Name:	CENTRAL VALLEY RWQCB (REGION 5S)
Address:	11020 SUN CENTER DRIVE #200
City:	RANCHO CORDOVA
Email:	jbarton@waterboards.ca.gov
Phone Number:	Not reported

Global Id:	T0607700062
Contact Type:	Local Agency Caseworker
Contact Name:	MARGARET LAGORIO
Organization Name:	SAN JOAQUIN COUNTY LOP
Address:	600 E. MAIN

LAMMERSVILLE SCHOOL (Continued) **S105034718**

City: STOCKTON
Email: mlagorio@sjcehd.com
Phone Number: Not reported

LUST:
Global Id: T0607700062
Action Type: Other
Date: 01/01/1950
Action: Leak Discovery

Global Id: T0607700062
Action Type: Other
Date: 01/01/1950
Action: Leak Reported

LUST REG 5:
Region: 5
Status: Case Closed
Case Number: 390088
Case Type: Drinking Water Aquifer affected
Substance: GASOLINE
Staff Initials: JLB
Lead Agency: Local
Program: LUST
MTBE Code: 0

R92 **LAMMERSVILLE ELEMENTARY** **FINDS** **1008313422**
NNE **16555 W. VON SOSTEN ROAD** **N/A**
> 1 **TRACY, CA 95304**
1.341 mi.
7081 ft. **Site 3 of 6 in cluster R**

Relative:
Lower

Actual:
78 ft.

FINDS:

Registry ID: 110022013319

Environmental Interest/Information System
US Geographic Names Information System (GNIS) is the official vehicle for geographic names used by the federal government and the source for applying geographic names to federal maps and other printed and electronic documents.

NCES (National Center for Education Statistics) is the primary federal entity for collecting and analyzing data related to education in the United States and other nations and the institute of education sciences.

R93
NNE
> 1
1.341 mi.
7081 ft.

LAMMERSVILLE SCHOOL — **UST** — **U004024165**
16555 VON SOSTEN RD — **N/A**
TRACY, CA 95376

Site 4 of 6 in cluster R

Relative:
Lower

Actual:
78 ft.

UST SAN JOAQUIN:

Region:	SJ
Facility Id:	FA0002952
Mail Address:	300 E LEGACY DR
Mail Care of:	Not reported
Mail City,St,Zip:	MOUNTAIN HOUSE, CA 95391
Tank Rec ID:	TA0502335
Tank Number:	1
Tank Status:	CLOSED
Tank Capacity:	2000
Product Code/Type:	09/OTHER
Program Element:	2380
Tank Rec ID:	TA0502336
Tank Number:	2
Tank Status:	CLOSED
Tank Capacity:	550
Product Code/Type:	09/OTHER
Program Element:	2380

R94
NNE
> 1
1.341 mi.
7081 ft.

LAMMERSVILLE SCHOOL DIST. — **HIST CORTESE** — **U001608490**
16555 VON SOSTEN RD — **HIST UST** — **N/A**
TRACY, CA 95376

Site 5 of 6 in cluster R

Relative:
Lower

Actual:
78 ft.

CORTESE:

Region:	CORTESE
Facility County Code:	39
Reg By:	LTNKA
Reg Id:	390088

HIST UST:

Region:	STATE
Facility ID:	00000037573
Facility Type:	Other
Other Type:	Not reported
Total Tanks:	0002
Contact Name:	Not reported
Telephone:	2098350138
Owner Name:	LAMMERSVILLE SCHOOL DIST.
Owner Address:	16555 W. VON SOSTEN RD.
Owner City,St,Zip:	TRACY, CA 95376
Tank Num:	001
Container Num:	2
Year Installed:	1980
Tank Capacity:	00002000
Tank Used for:	PRODUCT
Type of Fuel:	DIESEL
Tank Construction:	Not reported

LAMMERSVILLE SCHOOL DIST. (Continued) **U001608490**

Leak Detection: None

Tank Num: 002
Container Num: 1
Year Installed: 1954
Tank Capacity: 00000550
Tank Used for: PRODUCT
Type of Fuel: REGULAR
Tank Construction: 10 gauge
Leak Detection: Stock Inventor

R95 **LAMMERSVILLE ELEMENTARY SCHOOL DISTRICT** **HAZNET** **S108211747**
NNE **16555 W VON SOSTEN RD** **N/A**
> 1 **TRACY, CA 95304**
1.341 mi.
7081 ft. **Site 6 of 6 in cluster R**

Relative:
Lower

Actual:
78 ft.

HAZNET:
Year: 2005
Gepaid: CAC002596638
Contact: BILL LEBO/PROJ MGR
Telephone: 2098367400
Mailing Name: Not reported
Mailing Address: 300 LEGACY DR
Mailing City,St,Zip: MOUNTAIN HOUSE, CA 95391
Gen County: San Joaquin
TSD EPA ID: CAD982042475
TSD County: Solano
Waste Category: Asbestos containing waste
Disposal Method: Disposal, Land Fill
Tons: 16.85
Facility County: Not reported

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96 **WRIGHT ENVIRONMENTAL** **HAZNET** **S104569455**
NNW **17798 VON SOSTEN** **N/A**
> 1 **TRACY, CA 95376**
1.350 mi.
7129 ft.

Relative:
Lower

Actual:
109 ft.

HAZNET:
Year: 1999
Gepaid: CAC002110656
Contact: WRIGHT ENVIRONMENTAL
Telephone: 2098330758
Mailing Name: Not reported
Mailing Address: 17798 VON SOSTEN
Mailing City,St,Zip: TRACY, CA 953760000
Gen County: San Joaquin
TSD EPA ID: CAD980887418
TSD County: 1
Waste Category: Waste oil and mixed oil
Disposal Method: Recycler
Tons: 0.2293
Facility County: San Joaquin

Year: 1999

WRIGHT ENVIRONMENTAL (Continued) **S104569455**

Gepaid:	CAC002110656
Contact:	WRIGHT ENVIRONMENTAL
Telephone:	2098330758
Mailing Name:	Not reported
Mailing Address:	17798 VON SOSTEN
Mailing City,St,Zip:	TRACY, CA 953760000
Gen County:	San Joaquin
TSD EPA ID:	CAD000088252
TSD County:	Los Angeles
Waste Category:	Unspecified oil-containing waste
Disposal Method:	Transfer Station
Tons:	0.6
Facility County:	San Joaquin

S97 **TRACY YOUTH SPORTS PARK** **SLIC** **S108937588**
ESE **15178 SCHULTE ROAD** **N/A**
> 1 **TRACY, CA**
1.392 mi.
7352 ft. **Site 1 of 2 in cluster S**

Relative:
Lower

Actual:
137 ft.

SLIC:

Region:	STATE
Facility Status:	**Open - Inactive**
Status Date:	05/20/2009
Global Id:	SL0607797298
Lead Agency:	CENTRAL VALLEY RWQCB (REGION 5S)
Lead Agency Case Number:	Not reported
Latitude:	37.721672
Longitude:	-121.495142
Case Type:	Cleanup Program Site
Case Worker:	ZZZ
Local Agency:	Not reported
RB Case Number:	Not reported
File Location:	Not reported
Potential Media Affected:	Soil
Potential Contaminants of Concern:	Not reported
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

S98 **FAA - ANTENNAE FARM** **UST** **U004066913**
ESE **15178 W SCHULTE RD** **N/A**
> 1 **TRACY, CA 95376**
1.392 mi.
7352 ft. **Site 2 of 2 in cluster S**

Relative:
Lower

Actual:
137 ft.

UST SAN JOAQUIN:

Region:	SJ
Facility Id:	FA0017909
Mail Address:	450 GOLDEN GATE AVE 4TH FL EAST
Mail Care of:	GSA (KEN PAULSON)
Mail City,St,Zip:	SAN FRANCISCO, CA 94102
Tank Rec ID:	TA0515805
Tank Number:	Not reported
Tank Status:	INACTIVE

FAA - ANTENNAE FARM (Continued) **U004066913**

Tank Capacity: 100
Product Code/Type: /
Program Element: 2380

99
SSW
> 1
1.409 mi.
7442 ft.

MUSCO OLIVE PRODUCTS, INC. **UIC** **S111647753**
N/A

SAN JOAQUIN (County), CA

Relative:
Higher

Actual:
281 ft.

UIC:

API Number:	07720574
Confidential Well:	N
Well Number:	1
Lease Name:	Musco
Well Located On A BLW Lease:	N
Field Name:	Any Field
Area Name:	Any Area
Section:	34
Township:	02S
Range:	04E
Base And Meridian; Part Of The PLSS:	MD
Elevation:	53
Location Desc:	Not reported
Latitude:	37.71244
Longitude:	-121.5273
GIS Source Code:	hud
Comments:	Status Code 006

T100
SSW
> 1
1.434 mi.
7571 ft.

MUSCO FAMILY OLIVE CO **UST** **U004024428**
17950 W VIA NICOLO **N/A**
TRACY, CA 95377

Site 1 of 3 in cluster T

Relative:
Higher

Actual:
278 ft.

UST SAN JOAQUIN:

Region:	SJ
Facility Id:	FA0002971
Mail Address:	17950 VIA NICOLO
Mail Care of:	Not reported
Mail City,St,Zip:	TRACY, CA 95377
Tank Rec ID:	TA0503869
Tank Number:	1
Tank Status:	CLOSED
Tank Capacity:	0
Product Code/Type:	09/OTHER
Program Element:	2322

T101 **CHMIRS** **S109036794**
SSW **17950 WEST VIA NICHOLO ROAD** **N/A**
> 1 **TRACY, CA**
1.434 mi.
7571 ft. **Site 2 of 3 in cluster T**

Relative:
Higher

Actual:
278 ft.

CHMIRS:

OES Incident Number:	07-5295	
OES notification:	9/1/2007 01:38:38 PM	
OES Date:	Not reported	
OES Time:	Not reported	
Incident Date:	Not reported	
Date Completed:	**Not reported**	
Property Use:	Not reported	
Agency Id Number:	Not reported	
Agency Incident Number:	Not reported	
Time Notified:	Not reported	
Time Completed:	Not reported	
Surrounding Area:	Not reported	
Estimated Temperature:	Not reported	
Property Management:	Not reported	
Special Studies 1:	Not reported	
Special Studies 2:	Not reported	
Special Studies 3:	Not reported	
Special Studies 4:	Not reported	
Special Studies 5:	Not reported	
Special Studies 6:	Not reported	
More Than Two Substances Involved?:		Not reported
Resp Agncy Personel # Of Decontaminated:		Not reported
Responding Agency Personel # Of Injuries:		Not reported
Responding Agency Personel # Of Fatalities:		Not reported
Others Number Of Decontaminated:		Not reported
Others Number Of Injuries:		Not reported
Others Number Of Fatalities:		Not reported
Vehicle Make/year:	Not reported	
Vehicle License Number:	Not reported	
Vehicle State:	Not reported	
Vehicle Id Number:	Not reported	
CA/DOT/PUC/ICC Number:	Not reported	
Company Name:	Not reported	
Reporting Officer Name/ID:	Not reported	
Report Date:	Not reported	
Comments:	Not reported	
Facility Telephone:	Not reported	
Waterway Involved:	Not reported	
Waterway:	Not reported	
Spill Site:	Not reported	
Cleanup By:	Reporting Party	
Containment:	Not reported	
What Happened:	Not reported	
Type:	Not reported	
Measure:	Not reported	
Other:	Not reported	
Date/Time:	Not reported	
Year:	2007	
Agency:	Tracy Fire Dept	
Incident Date:	9/1/2007 12:00:00 AM	
Admin Agency:	San Joaquin County Emergency Services	
Amount:	Not reported	

(Continued) **S109036794**

Contained:	Yes
Site Type:	Industrial Plant
E Date:	Not reported
Substance:	Acetic Acid
Quantity Released:	Not reported
BBLS:	0
Cups:	0
CUFT:	0
Gallons:	0.000000
Grams:	0
Pounds:	0
Liters:	0
Ounces:	0
Pints:	0
Quarts:	0
Sheen:	0
Tons:	0
Unknown:	0
Evacuations:	0
Number of Injuries:	1
Number of Fatalities:	0
Description:	Transporting tank truck was being off loading and acid splashed in the driver's face.

T102 **WWT & LAND DISPOSAL FACILITY** **WDS** **S107030182**
SSW **17950 VIA NICOLO** **N/A**
> 1 **TRACY, CA 95376**
1.434 mi.
7571 ft. **Site 3 of 3 in cluster T**

Relative:
Higher

Actual:
278 ft.

CA WDS:

Facility ID:	Sacramento-San Joaquin Delta 392059002
Facility Type:	Industrial - Facility that treats and/or disposes of liquid or semisolid wastes from any servicing, producing, manufacturing or processing operation of whatever nature, including mining, gravel washing, geothermal operations, air conditioning, ship building and repairing, oil production, storage and disposal operations, water pumping.
Facility Status:	Active - Any facility with a continuous or seasonal discharge that is under Waste Discharge Requirements.
NPDES Number:	Not reported
Subregion:	0
Facility Telephone:	Not reported
Facility Contact:	BEN HALL
Agency Name:	MUSCO FAMILY OLIVE COMPANY
Agency Address:	17950 VIA NICOLO
Agency City,St,Zip:	TRACY 95376
Agency Contact:	NICK MUSCO
Agency Telephone:	2098364600
Agency Type:	Private
SIC Code:	2035
SIC Code 2:	Not reported
Primary Waste:	Washwater Waste (Product washwater wastes: E.G., photo reuse wastewater, vegetable washwater)
Primary Waste Type:	Designated/Influent or Solid Wastes that pose a significant threat to water quality because of their high concentrations (E.G., BOD, Hardness, TRF, Chloride). 'Manageable' hazardous wastes (E.G., inorganic salts and heavy metals) are included in this category.

WWT & LAND DISPOSAL FACILITY (Continued) **S107030182**

Secondary Waste: Not reported
Secondary Waste Type: Not reported
Design Flow: 0
Baseline Flow: 0
Reclamation: No reclamation requirements associated with this facility.
POTW: The POTW Does not have an approved pretreatment program. Some POTWs may have local pretreatment programs that have not been approved by the regional board and/or EPA.
Treat To Water: Major Threat to Water Quality. A violation could render unusable a ground water or surface water resource used as a significant drink water supply, require closure of an area used for contact recreation, result in long-term deleterious effects on shell fish spawning or growth areas of aquatic resources, or directly expose the public to toxic substances.
Complexity: Category B - Any facility having a physical, chemical, or biological waste treatment system (except for septic systems with subsurface disposal), or any Class II or III disposal site, or facilities without treatment systems that are complex, such as marinas with petroleum products, solid wastes, and sewage pump out facilities.

U103 **MUSLO FAMILY OLIVE CO** **NPDES** **S101175594**
SSW **17950 VIA NICOLO** **WMUDS/SWAT** **N/A**
> 1 **TRACY, CA 95377** **CHMIRS**
1.513 mi. **LDS**
7989 ft. **Site 1 of 3 in cluster U** **ENF**
HAZNET
Relative: **WDS**
Higher

Actual: **299 ft.**

NPDES:
Npdes Number: CAS000001
Facility Status: Active
Agency Id: 0
Region: 5S
Regulatory Measure Id: 201856
Order No: 97-03-DWQ
Regulatory Measure Type: Enrollee
Place Id: Not reported
WDID: 5S39I017003
Program Type: Industrial
Adoption Date Of Regulatory Measure: Not reported
Effective Date Of Regulatory Measure: 12/27/2001
Expiration Date Of Regulatory Measure: Not reported
Termination Date Of Regulatory Measure: Not reported
Discharge Name: Musco Family Olive Co
Discharge Address: 17950 Via Nicolo
Discharge City: Tracy
Discharge State: California
Discharge Zip: 95377

WMUDS/SWAT:
Edit Date: Not reported
Complexity: Category A - Any major NPDES facility, any non-NPDES facility (particularly those with toxic wastes) that would be a major if discharge was made to surface or ground waters, or any Class I disposal site. Includes any small-volume complex facility (particularly those with toxicwastes) with numerous discharge points, leak detection systems or ground water monitoring wells.

MUSLO FAMILY OLIVE CO (Continued) **S101175594**

Primary Waste:	Process Waste (Waste produced as part of the industrial/manufacturing process)
Primary Waste Type:	Designated/Influent or Solid Wastes that pose a significant threat to water quality because of their high concentrations (E.G., BOD, Hardness, TRF, Chloride). 'Manageable' hazardous wastes (E.G., inorganic salts and heavy metals) are included in this category.
Secondary Waste:	Washwater Waste (Product washwater wastes: E.G., photo reuse wastewater, vegetable washwater)
Secondary Waste Type:	Designated/Influent or Solid Wastes that pose a significant threat to water quality because of their high concentrations (E.G., BOD, Hardness, TRF, Chloride). 'Manageable' hazardous wastes (E.G., inorganic salts and heavy metals) are included in this category.
Base Meridian:	Not reported
NPID:	Not reported
Tonnage:	0
Regional Board ID:	Not reported
Municipal Solid Waste:	False
Superorder:	False
Open To Public:	False
Waste List:	False
Agency Type:	Private
Agency Name:	MUSCO OLIVE PRODUCTS, INC.
Agency Department:	Not reported
Agency Address:	17950 VIA NICOLO
Agency City,St,Zip:	TRACY CA 95376
Agency Contact:	NICK MUSCO
Agency Telephone:	2098364600
Land Owner Name:	Not reported
Land Owner Address:	Not reported
Land Owner City,St,Zip:	Not reported
Land Owner Contact:	Not reported
Land Owner Phone:	Not reported
Region:	5S
Facility Type:	Industrial - Facility that treats and/or disposes of liquid or semisolid wastes from any servicing, producing, manufacturing or processing operation of whatever nature, including mining, gravel washing, geothermal operations, air conditioning, ship building and repairing, oil production, storage and disposal operations, water pumping.
Facility Description:	Not reported
Facility Telephone:	Not reported
SWAT Facility Name:	Not reported
Primary SIC:	2035
Secondary SIC:	Not reported
Comments:	Not reported
Last Facility Editors:	Not reported
Waste Discharge System:	True
Solid Waste Assessment Test Program:	False
Toxic Pits Cleanup Act Program:	False
Resource Conservation Recovery Act:	False
Department of Defence:	False
Solid Waste Assessment Test Program:	Not reported
Threat to Water Quality:	Moderate Threat to Water Quality. A violation could have a major adverse impact on receiving biota, can cause aesthetic impairment to a significant human population, or render unusable a potential domestic or municipal water supply. Awsthetic impairment would include nuisance from a waste treatment facility.

MUSLO FAMILY OLIVE CO (Continued) **S101175594**

Sub Chapter 15:	True
Regional Board Project Officer:	RAE
Number of WMUDS at Facility:	1
Section Range:	Not reported
RCRA Facility:	No
Waste Discharge Requirements:	A
Self-Monitoring Rept. Frequency:	Quarterly Submittal
Waste Discharge System ID:	5B392059001
Solid Waste Information ID:	Not reported

CHMIRS:

OES Incident Number:	02-0027	
OES notification:	1/2/200201:35:17 PM	
OES Date:	Not reported	
OES Time:	Not reported	
Incident Date:	Not reported	
Date Completed:	**Not reported**	
Property Use:	Not reported	
Agency Id Number:	Not reported	
Agency Incident Number:	Not reported	
Time Notified:	Not reported	
Time Completed:	Not reported	
Surrounding Area:	Not reported	
Estimated Temperature:	Not reported	
Property Management:	Not reported	
Special Studies 1:	Not reported	
Special Studies 2:	Not reported	
Special Studies 3:	Not reported	
Special Studies 4:	Not reported	
Special Studies 5:	Not reported	
Special Studies 6:	Not reported	
More Than Two Substances Involved?:		Not reported
Resp Agncy Personel # Of Decontaminated:		Not reported
Responding Agency Personel # Of Injuries:		Not reported
Responding Agency Personel # Of Fatalities:		Not reported
Others Number Of Decontaminated:		Not reported
Others Number Of Injuries:		Not reported
Others Number Of Fatalities:		Not reported
Vehicle Make/year:	Not reported	
Vehicle License Number:	Not reported	
Vehicle State:	Not reported	
Vehicle Id Number:	Not reported	
CA/DOT/PUC/ICC Number:	Not reported	
Company Name:	Not reported	
Reporting Officer Name/ID:	Not reported	
Report Date:	Not reported	
Comments:	Not reported	
Facility Telephone:	Not reported	
Waterway Involved:	No	
Waterway:	Not reported	
Spill Site:	Not reported	
Cleanup By:	Unknown	
Containment:	Not reported	
What Happened:	Not reported	
Type:	Not reported	
Measure:	Not reported	
Other:	Not reported	

MUSLO FAMILY OLIVE CO (Continued) **S101175594**

Date/Time:	Not reported
Year:	2002
Agency:	Musco Family Olive Co
Incident Date:	12/28/200112:00:00 AM
Admin Agency:	San Joaquin County Emergency Services
Amount:	Not reported
Contained:	Yes
Site Type:	Industrial Plant
E Date:	Not reported
Substance:	Storm Water
Quantity Released:	Not reported
BBLS:	0
Cups:	0
CUFT:	0
Gallons:	1 Million
Grams:	0
Pounds:	0
Liters:	0
Ounces:	0
Pints:	0
Quarts:	0
Sheen:	0
Tons:	0
Unknown:	0
Evacuations:	0
Number of Injuries:	0
Number of Fatalities:	0
Description:	Water went over tops of burms. Water is use for irrigation. Water was released into a pasture.

LDS:

Global Id:	L10003540474
Latitude:	37.71279
Longitude:	-121.5302
Case Type:	Land Disposal Site
Status:	Open
Status Date:	01/01/1965
Lead Agency:	CENTRAL VALLEY RWQCB (REGION 5S)
Caseworker:	TD
Local Agency:	Not reported
RB Case Number:	5B392059001
LOC Case Number:	Not reported
File Location:	Not reported
Potential Media Affect:	Not reported
Potential Contaminants of Concern:	Not reported
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

ENF:

Region:	5S
Facility Id:	273102
Agency Name:	Musco Family Olive Company
Place Type:	Industrial and Commercial Services

MUSLO FAMILY OLIVE CO (Continued) **S101175594**

Place Subtype:	Food Processor
Facility Type:	Industrial
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	37.7112199
Place Longitude:	-121.52933
SIC Code 1:	2035
SIC Desc 1:	Pickled Fruits and Vegetables, Vegetable Sauces and Seasonings, and Salad Dressings
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	311421
NAICS Desc 1:	Fruit and Vegetable Canning (pt)
NAICS Code 2:	Not reported
NAICS Desc 2:	null
NAICS Code 3:	Not reported
NAICS Desc 3:	null
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	9.79999999
Threat To Water Quality:	1
Complexity:	A
Pretreatment:	X - Facility is not a POTW
Facility Waste Type:	Washwater waste
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	NON15
# Of Programs:	1
WDID:	5B392059002
Reg Measure Id:	132034
Reg Measure Type:	WDR
Region:	5S
Order #:	R5-2002-0148
Npdes# CA#:	Not reported
Major-Minor:	Not reported
Npdes Type:	Not reported
Reclamation:	N - No
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	1200
Status:	Historical
Status Date:	08/19/2010
Effective Date:	09/06/2002
Expiration/Review Date:	09/06/2007
Termination Date:	03/17/2010
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	N
Individual/General:	I
Fee Code:	58 - Non15 Based on (TTWQ)/CPLX)
Direction/Voice:	Passive

MUSLO FAMILY OLIVE CO (Continued) **S101175594**

Enforcement Id(EID):	314865
Region:	5S
Order / Resolution Number:	Not reported
Enforcement Action Type:	Notice of Violation
Effective Date:	11/13/2006
Adoption/Issuance Date:	Not reported
Achieve Date:	Not reported
Termination Date:	11/13/2006
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	NOV 11/13/2006 for Musco Family Olive Company
Description:	NOV sent for violations found during 12 October 2006 inspection
Program:	NON15
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	0
Initial Assessed Amount:	0
Liability $ Amount:	0
Project $ Amount:	0
Liability $ Paid:	0
Project $ Completed:	0
Total $ Paid/Completed Amount:	0

Region:	5S
Facility Id:	241929
Agency Name:	Musco Family Olive Company
Place Type:	Waste Management Unit
Place Subtype:	Surface Impoundment
Facility Type:	Industrial
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	37.7112199
Place Longitude:	-121.52933
SIC Code 1:	2035
SIC Desc 1:	Pickled Fruits and Vegetables, Vegetable Sauces and Seasonings, and Salad Dressings
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	0
Threat To Water Quality:	2
Complexity:	B
Pretreatment:	X - Facility is not a POTW
Facility Waste Type:	Process waste, NEC
Facility Waste Type 2:	Washwater waste
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	LNDISP

MUSLO FAMILY OLIVE CO (Continued) **S101175594**

# Of Programs:	1
WDID:	5B392059001
Reg Measure Id:	133281
Reg Measure Type:	WDR
Region:	5S
Order #:	R5-2005-0024
Npdes# CA#:	Not reported
Major-Minor:	Not reported
Npdes Type:	Not reported
Reclamation:	N - No
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	Not reported
Status:	Active
Status Date:	01/17/2008
Effective Date:	01/27/2005
Expiration/Review Date:	01/27/2015
Termination Date:	Not reported
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	N
Individual/General:	I
Fee Code:	59 - Land Disposal Site not paying tipping fee
Direction/Voice:	Passive
Enforcement Id(EID):	378737
Region:	5S
Order / Resolution Number:	Not reported
Enforcement Action Type:	Staff Enforcement Letter
Effective Date:	04/18/2011
Adoption/Issuance Date:	04/18/2011
Achieve Date:	Not reported
Termination Date:	Not reported
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	SEL 04/18/2011 for Musco Family Olive Company
Description:	SEL issued for deficient monitoring report. Discharger submitted Annual 2010 monitoring report with deficient data collection.
Program:	LNDISP
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	0
Initial Assessed Amount:	0
Liability $ Amount:	0
Project $ Amount:	0
Liability $ Paid:	0
Project $ Completed:	0
Total $ Paid/Completed Amount:	0
Region:	5S
Facility Id:	273102
Agency Name:	Musco Family Olive Company
Place Type:	Industrial and Commercial Services

MUSLO FAMILY OLIVE CO (Continued) **S101175594**

Place Subtype:	Food Processor
Facility Type:	Industrial
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	37.7112199
Place Longitude:	-121.52933
SIC Code 1:	2035
SIC Desc 1:	Pickled Fruits and Vegetables, Vegetable Sauces and Seasonings, and Salad Dressings
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	311421
NAICS Desc 1:	Fruit and Vegetable Canning (pt)
NAICS Code 2:	Not reported
NAICS Desc 2:	null
NAICS Code 3:	Not reported
NAICS Desc 3:	null
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	9.79999999
Threat To Water Quality:	1
Complexity:	B
Pretreatment:	N - POTW does not have EPA approved pretreatment prog.
Facility Waste Type:	Washwater waste
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	NON15
# Of Programs:	1
WDID:	5B392059002
Reg Measure Id:	146585
Reg Measure Type:	WDR
Region:	5S
Order #:	97-037
Npdes# CA#:	Not reported
Major-Minor:	Not reported
Npdes Type:	Not reported
Reclamation:	N - No
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	Not reported
Status:	Historical
Status Date:	02/28/1997
Effective Date:	02/28/1997
Expiration/Review Date:	02/25/2012
Termination Date:	09/05/2002
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	N
Individual/General:	I
Fee Code:	Not reported
Direction/Voice:	Passive

MUSLO FAMILY OLIVE CO (Continued) **S101175594**

Enforcement Id(EID):	252753
Region:	5S
Order / Resolution Number:	R5-2002-0014
Enforcement Action Type:	13308 Enforcement Action
Effective Date:	01/25/2002
Adoption/Issuance Date:	Not reported
Achieve Date:	Not reported
Termination Date:	Not reported
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Withdrawn
Title:	13308 TSO R5-2002-0014 for Musco Family Olive Company
Description:	13308 Time Schedule Order No. R5-2002-0014 adopted to address the violations and provide higher flow limit than the Order No. R5-2002-0014
Program:	NON15
Latest Milestone Completion Date:	08/18/2004
# Of Programs1:	1
Total Assessment Amount:	0
Initial Assessed Amount:	0
Liability $ Amount:	0
Project $ Amount:	0
Liability $ Paid:	0
Project $ Completed:	0
Total $ Paid/Completed Amount:	0

Region:	5S
Facility Id:	273102
Agency Name:	Musco Family Olive Company
Place Type:	Industrial and Commercial Services
Place Subtype:	Food Processor
Facility Type:	Industrial
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	37.7112199
Place Longitude:	-121.52933
SIC Code 1:	2035
SIC Desc 1:	Pickled Fruits and Vegetables, Vegetable Sauces and Seasonings, and Salad Dressings
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	311421
NAICS Desc 1:	Fruit and Vegetable Canning (pt)
NAICS Code 2:	Not reported
NAICS Desc 2:	null
NAICS Code 3:	Not reported
NAICS Desc 3:	null
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	9.79999999
Threat To Water Quality:	1
Complexity:	B
Pretreatment:	N - POTW does not have EPA approved pretreatment prog.
Facility Waste Type:	Washwater waste
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported

MUSLO FAMILY OLIVE CO (Continued) **S101175594**

Facility Waste Type 4:	Not reported
Program:	NON15
# Of Programs:	1
WDID:	5B392059002
Reg Measure Id:	146585
Reg Measure Type:	WDR
Region:	5S
Order #:	97-037
Npdes# CA#:	Not reported
Major-Minor:	Not reported
Npdes Type:	Not reported
Reclamation:	N - No
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	Not reported
Status:	Historical
Status Date:	02/28/1997
Effective Date:	02/28/1997
Expiration/Review Date:	02/25/2012
Termination Date:	09/05/2002
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	N
Individual/General:	I
Fee Code:	Not reported
Direction/Voice:	Passive
Enforcement Id(EID):	247921
Region:	5S
Order / Resolution Number:	R5-2000-0717
Enforcement Action Type:	13308 Enforcement Action
Effective Date:	01/25/2002
Adoption/Issuance Date:	Not reported
Achieve Date:	Not reported
Termination Date:	Not reported
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Withdrawn
Title:	13308 TSO R5-2000-0717 for Musco Family Olive Company
Description:	Water Code Section 13308 Time Schedule Order adopted to address the violations
Program:	NON15
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	0
Initial Assessed Amount:	0
Liability $ Amount:	0
Project $ Amount:	0
Liability $ Paid:	0
Project $ Completed:	0
Total $ Paid/Completed Amount:	0
Region:	5S
Facility Id:	241929

MUSLO FAMILY OLIVE CO (Continued) **S101175594**

Agency Name:	Musco Family Olive Company
Place Type:	Waste Management Unit
Place Subtype:	Surface Impoundment
Facility Type:	Industrial
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	37.7112199
Place Longitude:	-121.52933
SIC Code 1:	2035
SIC Desc 1:	Pickled Fruits and Vegetables, Vegetable Sauces and Seasonings, and Salad Dressings
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	0
Threat To Water Quality:	2
Complexity:	B
Pretreatment:	X - Facility is not a POTW
Facility Waste Type:	Process waste, NEC
Facility Waste Type 2:	Washwater waste
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	LNDISP
# Of Programs:	1
WDID:	5B392059001
Reg Measure Id:	133281
Reg Measure Type:	WDR
Region:	5S
Order #:	R5-2005-0024
Npdes# CA#:	Not reported
Major-Minor:	Not reported
Npdes Type:	Not reported
Reclamation:	N - No
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	Not reported
Status:	Active
Status Date:	01/17/2008
Effective Date:	01/27/2005
Expiration/Review Date:	01/27/2015
Termination Date:	Not reported
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	N
Individual/General:	I

MUSLO FAMILY OLIVE CO (Continued) **S101175594**

Fee Code:	59 - Land Disposal Site not paying tipping fee
Direction/Voice:	Passive
Enforcement Id(EID):	256395
Region:	5S
Order / Resolution Number:	Not reported
Enforcement Action Type:	Staff Enforcement Letter
Effective Date:	05/06/2005
Adoption/Issuance Date:	Not reported
Achieve Date:	Not reported
Termination Date:	Not reported
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Active
Title:	SEL 05/06/2005 for Musco Class II Surface Impoundment
Description:	Release to groundwater as shown in monitoring well W-2 for increasing trend of concentrations of sulphate, nitrate, TDS, sodium and chlordie.
Program:	LNDISP
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	0
Initial Assessed Amount:	0
Liability $ Amount:	0
Project $ Amount:	0
Liability $ Paid:	0
Project $ Completed:	0
Total $ Paid/Completed Amount:	0

Region:	5S
Facility Id:	273102
Agency Name:	Musco Family Olive Company
Place Type:	Industrial and Commercial Services
Place Subtype:	Food Processor
Facility Type:	Industrial
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	37.7112199
Place Longitude:	-121.52933
SIC Code 1:	2035
SIC Desc 1:	Pickled Fruits and Vegetables, Vegetable Sauces and Seasonings, and Salad Dressings
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	311421
NAICS Desc 1:	Fruit and Vegetable Canning (pt)
NAICS Code 2:	Not reported
NAICS Desc 2:	null
NAICS Code 3:	Not reported
NAICS Desc 3:	null
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	9.79999999
Threat To Water Quality:	1
Complexity:	A
Pretreatment:	X - Facility is not a POTW
Facility Waste Type:	Washwater waste

MUSLO FAMILY OLIVE CO (Continued) **S101175594**

Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	NON15
# Of Programs:	2
WDID:	5B392059002
Reg Measure Id:	132034
Reg Measure Type:	WDR
Region:	5S
Order #:	R5-2002-0148
Npdes# CA#:	Not reported
Major-Minor:	Not reported
Npdes Type:	Not reported
Reclamation:	N - No
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	1200
Status:	Historical
Status Date:	08/19/2010
Effective Date:	09/06/2002
Expiration/Review Date:	09/06/2007
Termination Date:	03/17/2010
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	N
Individual/General:	I
Fee Code:	58 - Non15 Based on (TTWQ)/CPLX)
Direction/Voice:	Passive
Enforcement Id(EID):	339762
Region:	5S
Order / Resolution Number:	R5-2007-0139
Enforcement Action Type:	Cease and Desist Order
Effective Date:	10/26/2007
Adoption/Issuance Date:	10/26/2007
Achieve Date:	Not reported
Termination Date:	07/28/2010
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	CDO R5-2007-0139 for Musco Class II Surface Imp & WWTP/Land Disposal Fac
Description:	Not reported
Program:	NON15
Latest Milestone Completion Date:	Not reported
# Of Programs1:	2
Total Assessment Amount:	0
Initial Assessed Amount:	0
Liability $ Amount:	0
Project $ Amount:	0
Liability $ Paid:	0
Project $ Completed:	0
Total $ Paid/Completed Amount:	0

MUSLO FAMILY OLIVE CO (Continued) **S101175594**

Region:	5S
Facility Id:	273102
Agency Name:	Not reported
Place Type:	Industrial and Commercial Services
Place Subtype:	Food Processor
Facility Type:	Industrial
Agency Type:	Not reported
# Of Agencies:	Not reported
Place Latitude:	37.7112199
Place Longitude:	-121.52933
SIC Code 1:	2035
SIC Desc 1:	Pickled Fruits and Vegetables, Vegetable Sauces and Seasonings, and Salad Dressings
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	311421
NAICS Desc 1:	Fruit and Vegetable Canning (pt)
NAICS Code 2:	Not reported
NAICS Desc 2:	null
NAICS Code 3:	Not reported
NAICS Desc 3:	null
# Of Places:	1
Source Of Facility:	Enf Action
Design Flow:	Not reported
Threat To Water Quality:	Not reported
Complexity:	Not reported
Pretreatment:	Not reported
Facility Waste Type:	Not reported
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	NON15
# Of Programs:	1
WDID:	Not reported
Reg Measure Id:	Not reported
Reg Measure Type:	Not reported
Region:	Not reported
Order #:	Not reported
Npdes# CA#:	Not reported
Major-Minor:	Not reported
Npdes Type:	Not reported
Reclamation:	Not reported
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	Not reported
Status:	Not reported
Status Date:	Not reported
Effective Date:	Not reported
Expiration/Review Date:	Not reported
Termination Date:	Not reported
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported

MUSLO FAMILY OLIVE CO (Continued) **S101175594**

Status Enrollee:	Not reported
Individual/General:	Not reported
Fee Code:	Not reported
Direction/Voice:	Not reported
Enforcement Id(EID):	339769
Region:	5S
Order / Resolution Number:	R5-2007-0138
Enforcement Action Type:	Admin Civil Liability
Effective Date:	10/26/2007
Adoption/Issuance Date:	10/26/2007
Achieve Date:	Not reported
Termination Date:	10/27/2009
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	ACL & Penalty Order R5-2007-0138 for Musco Family Olive Company
Description:	Stipulation for Entry of ACL and Penalty Order issued in the amount of $439,500 for failure to comply with TSO Order No. R5-2002-0014, as revised, CAO 5-00-717, and CAO R5-2002-0149.
Program:	NON15
Latest Milestone Completion Date:	10/27/2009
# Of Programs1:	1
Total Assessment Amount:	493500
Initial Assessed Amount:	439500
Liability $ Amount:	493500
Project $ Amount:	0
Liability $ Paid:	493500
Project $ Completed:	0
Total $ Paid/Completed Amount:	493500

Region:	5S
Facility Id:	241929
Agency Name:	Musco Family Olive Company
Place Type:	Waste Management Unit
Place Subtype:	Surface Impoundment
Facility Type:	Industrial
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	37.7112199
Place Longitude:	-121.52933
SIC Code 1:	2035
SIC Desc 1:	Pickled Fruits and Vegetables, Vegetable Sauces and Seasonings, and Salad Dressings
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	0
Threat To Water Quality:	2
Complexity:	B

MUSLO FAMILY OLIVE CO (Continued) **S101175594**

Pretreatment:	X - Facility is not a POTW
Facility Waste Type:	Process waste, NEC
Facility Waste Type 2:	Washwater waste
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	LNDISP
# Of Programs:	1
WDID:	5B392059001
Reg Measure Id:	133281
Reg Measure Type:	WDR
Region:	5S
Order #:	R5-2005-0024
Npdes# CA#:	Not reported
Major-Minor:	Not reported
Npdes Type:	Not reported
Reclamation:	N - No
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	Not reported
Status:	Active
Status Date:	01/17/2008
Effective Date:	01/27/2005
Expiration/Review Date:	01/27/2015
Termination Date:	Not reported
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	N
Individual/General:	I
Fee Code:	59 - Land Disposal Site not paying tipping fee
Direction/Voice:	Passive
Enforcement Id(EID):	375904
Region:	5S
Order / Resolution Number:	Not reported
Enforcement Action Type:	Staff Enforcement Letter
Effective Date:	06/09/2010
Adoption/Issuance Date:	06/09/2010
Achieve Date:	Not reported
Termination Date:	06/10/2010
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	SEL 06/09/2010 for Musco Family Olive Company
Description:	SEL issued for deficient annual report. The 2009 annual report did not meet the requirements of the WDR's and MRP.
Program:	LNDISP
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	0
Initial Assessed Amount:	0
Liability $ Amount:	0
Project $ Amount:	0
Liability $ Paid:	0
Project $ Completed:	0

MUSLO FAMILY OLIVE CO (Continued) **S101175594**

Total $ Paid/Completed Amount:	0
Region:	5S
Facility Id:	241929
Agency Name:	Musco Family Olive Company
Place Type:	Waste Management Unit
Place Subtype:	Surface Impoundment
Facility Type:	Industrial
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	37.7112199
Place Longitude:	-121.52933
SIC Code 1:	2035
SIC Desc 1:	Pickled Fruits and Vegetables, Vegetable Sauces and Seasonings, and Salad Dressings
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	0
Threat To Water Quality:	2
Complexity:	B
Pretreatment:	X - Facility is not a POTW
Facility Waste Type:	Process waste, NEC
Facility Waste Type 2:	Washwater waste
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	LNDISP
# Of Programs:	1
WDID:	5B392059001
Reg Measure Id:	133281
Reg Measure Type:	WDR
Region:	5S
Order #:	R5-2005-0024
Npdes# CA#:	Not reported
Major-Minor:	Not reported
Npdes Type:	Not reported
Reclamation:	N - No
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	Not reported
Status:	Active
Status Date:	01/17/2008
Effective Date:	01/27/2005
Expiration/Review Date:	01/27/2015
Termination Date:	Not reported
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported

MUSLO FAMILY OLIVE CO (Continued) **S101175594**

WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	N
Individual/General:	I
Fee Code:	59 - Land Disposal Site not paying tipping fee
Direction/Voice:	Passive
Enforcement Id(EID):	385283
Region:	5S
Order / Resolution Number:	Not reported
Enforcement Action Type:	Notice of Violation
Effective Date:	05/04/2012
Adoption/Issuance Date:	05/04/2012
Achieve Date:	Not reported
Termination Date:	Not reported
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Active
Title:	NOV 05/04/2012 for Musco Family Olive Company
Description:	Not reported
Program:	LNDISP
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	0
Initial Assessed Amount:	0
Liability $ Amount:	0
Project $ Amount:	0
Liability $ Paid:	0
Project $ Completed:	0
Total $ Paid/Completed Amount:	0

Region:	5S
Facility Id:	273102
Agency Name:	Musco Family Olive Company
Place Type:	Industrial and Commercial Services
Place Subtype:	Food Processor
Facility Type:	Industrial
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	37.7112199
Place Longitude:	-121.52933
SIC Code 1:	2035
SIC Desc 1:	Pickled Fruits and Vegetables, Vegetable Sauces and Seasonings, and Salad Dressings
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	311421
NAICS Desc 1:	Fruit and Vegetable Canning (pt)
NAICS Code 2:	Not reported
NAICS Desc 2:	null
NAICS Code 3:	Not reported
NAICS Desc 3:	null
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	9.79999999
Threat To Water Quality:	1
Complexity:	A

MUSLO FAMILY OLIVE CO (Continued) **S101175594**

Pretreatment:	X - Facility is not a POTW
Facility Waste Type:	Washwater waste
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	NON15
# Of Programs:	1
WDID:	5B392059002
Reg Measure Id:	132034
Reg Measure Type:	WDR
Region:	5S
Order #:	R5-2002-0148
Npdes# CA#:	Not reported
Major-Minor:	Not reported
Npdes Type:	Not reported
Reclamation:	N - No
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	1200
Status:	Historical
Status Date:	08/19/2010
Effective Date:	09/06/2002
Expiration/Review Date:	09/06/2007
Termination Date:	03/17/2010
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	N
Individual/General:	I
Fee Code:	58 - Non15 Based on (TTWQ)/CPLX)
Direction/Voice:	Active
Enforcement Id(EID):	327437
Region:	5S
Order / Resolution Number:	Not reported
Enforcement Action Type:	Notice of Violation
Effective Date:	05/07/2007
Adoption/Issuance Date:	Not reported
Achieve Date:	Not reported
Termination Date:	05/07/2007
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	NOV 05/07/2007 for Musco Family Olive Company
Description:	NOV sent for violations observed during inspections on 6 and 14 April 2007
Program:	NON15
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	0
Initial Assessed Amount:	0
Liability $ Amount:	0
Project $ Amount:	0
Liability $ Paid:	0
Project $ Completed:	0

MUSLO FAMILY OLIVE CO (Continued) **S101175594**

Total $ Paid/Completed Amount:	0
Region:	5S
Facility Id:	241929
Agency Name:	Musco Family Olive Company
Place Type:	Waste Management Unit
Place Subtype:	Surface Impoundment
Facility Type:	Industrial
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	37.7112199
Place Longitude:	-121.52933
SIC Code 1:	2035
SIC Desc 1:	Pickled Fruits and Vegetables, Vegetable Sauces and Seasonings, and Salad Dressings
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	0
Threat To Water Quality:	2
Complexity:	B
Pretreatment:	X - Facility is not a POTW
Facility Waste Type:	Process waste, NEC
Facility Waste Type 2:	Washwater waste
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	LNDISP
# Of Programs:	1
WDID:	5B392059001
Reg Measure Id:	133281
Reg Measure Type:	WDR
Region:	5S
Order #:	R5-2005-0024
Npdes# CA#:	Not reported
Major-Minor:	Not reported
Npdes Type:	Not reported
Reclamation:	N - No
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	Not reported
Status:	Active
Status Date:	01/17/2008
Effective Date:	01/27/2005
Expiration/Review Date:	01/27/2015
Termination Date:	Not reported
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported

MUSLO FAMILY OLIVE CO (Continued) **S101175594**

WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	N
Individual/General:	I
Fee Code:	59 - Land Disposal Site not paying tipping fee
Direction/Voice:	Passive
Enforcement Id(EID):	330995
Region:	5S
Order / Resolution Number:	Not reported
Enforcement Action Type:	Notice of Violation
Effective Date:	04/28/2006
Adoption/Issuance Date:	Not reported
Achieve Date:	Not reported
Termination Date:	Not reported
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Active
Title:	NOV 04/28/2006 for Musco Family Olive Co.
Description:	NOV sent for deficiencies found in 2nd Semi-Annual and Annual 2005 monitoring reports
Program:	LNDISP
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	0
Initial Assessed Amount:	0
Liability $ Amount:	0
Project $ Amount:	0
Liability $ Paid:	0
Project $ Completed:	0
Total $ Paid/Completed Amount:	0

Region:	5S
Facility Id:	273102
Agency Name:	Musco Family Olive Company
Place Type:	Industrial and Commercial Services
Place Subtype:	Food Processor
Facility Type:	Industrial
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	37.7112199
Place Longitude:	-121.52933
SIC Code 1:	2035
SIC Desc 1:	Pickled Fruits and Vegetables, Vegetable Sauces and Seasonings, and Salad Dressings
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	311421
NAICS Desc 1:	Fruit and Vegetable Canning (pt)
NAICS Code 2:	Not reported
NAICS Desc 2:	null
NAICS Code 3:	Not reported
NAICS Desc 3:	null
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	9.79999999
Threat To Water Quality:	1

MUSLO FAMILY OLIVE CO (Continued) **S101175594**

Complexity:	A
Pretreatment:	X - Facility is not a POTW
Facility Waste Type:	Washwater waste
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	NON15
# Of Programs:	1
WDID:	5B392059002
Reg Measure Id:	132034
Reg Measure Type:	WDR
Region:	5S
Order #:	R5-2002-0148
Npdes# CA#:	Not reported
Major-Minor:	Not reported
Npdes Type:	Not reported
Reclamation:	N - No
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	1200
Status:	Historical
Status Date:	08/19/2010
Effective Date:	09/06/2002
Expiration/Review Date:	09/06/2007
Termination Date:	03/17/2010
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	N
Individual/General:	I
Fee Code:	58 - Non15 Based on (TTWQ)/CPLX)
Direction/Voice:	Passive
Enforcement Id(EID):	245978
Region:	5S
Order / Resolution Number:	Not reported
Enforcement Action Type:	Notice of Violation
Effective Date:	10/11/2002
Adoption/Issuance Date:	10/11/2002
Achieve Date:	Not reported
Termination Date:	10/11/2002
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	NOV 10/11/2002 for MUSCO FAMILY OLIVE COMPANY,MUSCO WWT & LAND DISPOSAL FACILITY
Description:	NOV sent for odors noted off-site east of facility, inadequate DO in 1Mgal Pond, continuing to discharge to surface drainage, inadequate freeboard, discharge to pond with less than 2 feet of freeboard, and lack of cropping in land application areas.
Program:	NON15
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	0
Initial Assessed Amount:	0

MUSLO FAMILY OLIVE CO (Continued) **S101175594**

Liability $ Amount:	0
Project $ Amount:	0
Liability $ Paid:	0
Project $ Completed:	0
Total $ Paid/Completed Amount:	0
Region:	5S
Facility Id:	241929
Agency Name:	Musco Family Olive Company
Place Type:	Waste Management Unit
Place Subtype:	Surface Impoundment
Facility Type:	Industrial
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	37.7112199
Place Longitude:	-121.52933
SIC Code 1:	2035
SIC Desc 1:	Pickled Fruits and Vegetables, Vegetable Sauces and Seasonings, and Salad Dressings
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	0
Threat To Water Quality:	2
Complexity:	B
Pretreatment:	X - Facility is not a POTW
Facility Waste Type:	Process waste, NEC
Facility Waste Type 2:	Washwater waste
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	LNDISP
# Of Programs:	1
WDID:	5B392059001
Reg Measure Id:	133281
Reg Measure Type:	WDR
Region:	5S
Order #:	R5-2005-0024
Npdes# CA#:	Not reported
Major-Minor:	Not reported
Npdes Type:	Not reported
Reclamation:	N - No
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	Not reported
Status:	Active
Status Date:	01/17/2008
Effective Date:	01/27/2005
Expiration/Review Date:	01/27/2015
Termination Date:	Not reported

MUSLO FAMILY OLIVE CO (Continued) **S101175594**

WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	N
Individual/General:	I
Fee Code:	59 - Land Disposal Site not paying tipping fee
Direction/Voice:	Passive
Enforcement Id(EID):	376735
Region:	5S
Order / Resolution Number:	Not reported
Enforcement Action Type:	Notice of Violation
Effective Date:	11/24/2010
Adoption/Issuance Date:	11/24/2010
Achieve Date:	Not reported
Termination Date:	11/25/2010
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	NOV 11/24/2010 for Musco Family Olive Company
Description:	NOV issued for violation of surface impoundment freeboard. Surface impoundment encroached freeboard by approx. 4.5 inches.
Program:	LNDISP
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	0
Initial Assessed Amount:	0
Liability $ Amount:	0
Project $ Amount:	0
Liability $ Paid:	0
Project $ Completed:	0
Total $ Paid/Completed Amount:	0

Region:	5S
Facility Id:	273102
Agency Name:	Musco Family Olive Company
Place Type:	Industrial and Commercial Services
Place Subtype:	Food Processor
Facility Type:	Industrial
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	37.7112199
Place Longitude:	-121.52933
SIC Code 1:	2035
SIC Desc 1:	Pickled Fruits and Vegetables, Vegetable Sauces and Seasonings, and Salad Dressings
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	311421
NAICS Desc 1:	Fruit and Vegetable Canning (pt)
NAICS Code 2:	Not reported
NAICS Desc 2:	null
NAICS Code 3:	Not reported
NAICS Desc 3:	null

MUSLO FAMILY OLIVE CO (Continued) **S101175594**

# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	9.79999999
Threat To Water Quality:	1
Complexity:	B
Pretreatment:	N - POTW does not have EPA approved pretreatment prog.
Facility Waste Type:	Washwater waste
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	NON15
# Of Programs:	1
WDID:	5B392059002
Reg Measure Id:	146585
Reg Measure Type:	WDR
Region:	5S
Order #:	97-037
Npdes# CA#:	Not reported
Major-Minor:	Not reported
Npdes Type:	Not reported
Reclamation:	N - No
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	Not reported
Status:	Historical
Status Date:	02/28/1997
Effective Date:	02/28/1997
Expiration/Review Date:	02/25/2012
Termination Date:	09/05/2002
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	N
Individual/General:	I
Fee Code:	Not reported
Direction/Voice:	Passive
Enforcement Id(EID):	238063
Region:	5S
Order / Resolution Number:	Not reported
Enforcement Action Type:	Notice of Violation
Effective Date:	11/30/2001
Adoption/Issuance Date:	11/30/2001
Achieve Date:	Not reported
Termination Date:	11/30/2001
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	NOV 11/30/2001 for MUSCO FAMILY OLIVE COMPANY,MUSCO WWT & LAND DISPOSAL FACILITY
Description:	Discharger is regulated by WDR 97-037 and Cleanup and Abatement Order 5-00-717. The Discharger is not complying with either order. Further enforcement is being pursued.
Program:	NON15
Latest Milestone Completion Date:	Not reported

MUSLO FAMILY OLIVE CO (Continued) **S101175594**

# Of Programs1:	1
Total Assessment Amount:	0
Initial Assessed Amount:	0
Liability $ Amount:	0
Project $ Amount:	0
Liability $ Paid:	0
Project $ Completed:	0
Total $ Paid/Completed Amount:	0
Region:	5S
Facility Id:	241929
Agency Name:	Musco Family Olive Company
Place Type:	Waste Management Unit
Place Subtype:	Surface Impoundment
Facility Type:	Industrial
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	37.7112199
Place Longitude:	-121.52933
SIC Code 1:	2035
SIC Desc 1:	Pickled Fruits and Vegetables, Vegetable Sauces and Seasonings, and Salad Dressings
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	0
Threat To Water Quality:	2
Complexity:	B
Pretreatment:	X - Facility is not a POTW
Facility Waste Type:	Process waste, NEC
Facility Waste Type 2:	Washwater waste
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	LNDISP
# Of Programs:	1
WDID:	5B392059001
Reg Measure Id:	133281
Reg Measure Type:	WDR
Region:	5S
Order #:	R5-2005-0024
Npdes# CA#:	Not reported
Major-Minor:	Not reported
Npdes Type:	Not reported
Reclamation:	N - No
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	Not reported
Status:	Active
Status Date:	01/17/2008

MUSLO FAMILY OLIVE CO (Continued) **S101175594**

Effective Date:	01/27/2005
Expiration/Review Date:	01/27/2015
Termination Date:	Not reported
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	N
Individual/General:	I
Fee Code:	59 - Land Disposal Site not paying tipping fee
Direction/Voice:	Passive
Enforcement Id(EID):	256373
Region:	5S
Order / Resolution Number:	Not reported
Enforcement Action Type:	Staff Enforcement Letter
Effective Date:	11/09/2004
Adoption/Issuance Date:	Not reported
Achieve Date:	Not reported
Termination Date:	Not reported
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Active
Title:	SEL 11/09/2004 for Musco Class II Surface Impoundment
Description:	Incomplete 2nd Quarter 2004 monitoring report.
Program:	LNDISP
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	0
Initial Assessed Amount:	0
Liability $ Amount:	0
Project $ Amount:	0
Liability $ Paid:	0
Project $ Completed:	0
Total $ Paid/Completed Amount:	0

Region:	5S
Facility Id:	241929
Agency Name:	Musco Family Olive Company
Place Type:	Waste Management Unit
Place Subtype:	Surface Impoundment
Facility Type:	Industrial
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	37.7112199
Place Longitude:	-121.52933
SIC Code 1:	2035
SIC Desc 1:	Pickled Fruits and Vegetables, Vegetable Sauces and Seasonings, and Salad Dressings
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported

MUSLO FAMILY OLIVE CO (Continued) **S101175594**

NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	0
Threat To Water Quality:	2
Complexity:	B
Pretreatment:	X - Facility is not a POTW
Facility Waste Type:	Process waste, NEC
Facility Waste Type 2:	Washwater waste
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	LNDISP
# Of Programs:	1
WDID:	5B392059001
Reg Measure Id:	133281
Reg Measure Type:	WDR
Region:	5S
Order #:	R5-2005-0024
Npdes# CA#:	Not reported
Major-Minor:	Not reported
Npdes Type:	Not reported
Reclamation:	N - No
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	Not reported
Status:	Active
Status Date:	01/17/2008
Effective Date:	01/27/2005
Expiration/Review Date:	01/27/2015
Termination Date:	Not reported
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	N
Individual/General:	I
Fee Code:	59 - Land Disposal Site not paying tipping fee
Direction/Voice:	Passive
Enforcement Id(EID):	256387
Region:	5S
Order / Resolution Number:	Not reported
Enforcement Action Type:	Staff Enforcement Letter
Effective Date:	09/17/2004
Adoption/Issuance Date:	Not reported
Achieve Date:	Not reported
Termination Date:	Not reported
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Active
Title:	SEL 09/17/2004 for Musco Class II Surface Impoundment
Description:	Incomplete Report of Waste Discharge
Program:	LNDISP
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1

MUSLO FAMILY OLIVE CO (Continued) **S101175594**

Total Assessment Amount:	0
Initial Assessed Amount:	0
Liability $ Amount:	0
Project $ Amount:	0
Liability $ Paid:	0
Project $ Completed:	0
Total $ Paid/Completed Amount:	0

Region:	5S
Facility Id:	273102
Agency Name:	Musco Family Olive Company
Place Type:	Industrial and Commercial Services
Place Subtype:	Food Processor
Facility Type:	Industrial
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	37.7112199
Place Longitude:	-121.52933
SIC Code 1:	2035
SIC Desc 1:	Pickled Fruits and Vegetables, Vegetable Sauces and Seasonings, and Salad Dressings
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	311421
NAICS Desc 1:	Fruit and Vegetable Canning (pt)
NAICS Code 2:	Not reported
NAICS Desc 2:	null
NAICS Code 3:	Not reported
NAICS Desc 3:	null
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	9.79999999
Threat To Water Quality:	1
Complexity:	A
Pretreatment:	X - Facility is not a POTW
Facility Waste Type:	Washwater waste
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	NON15
# Of Programs:	1
WDID:	5B392059002
Reg Measure Id:	132034
Reg Measure Type:	WDR
Region:	5S
Order #:	R5-2002-0148
Npdes# CA#:	Not reported
Major-Minor:	Not reported
Npdes Type:	Not reported
Reclamation:	N - No
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	1200
Status:	Historical
Status Date:	08/19/2010
Effective Date:	09/06/2002

MUSLO FAMILY OLIVE CO (Continued) **S101175594**

Expiration/Review Date:	09/06/2007
Termination Date:	03/17/2010
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	N
Individual/General:	I
Fee Code:	58 - Non15 Based on (TTWQ)/CPLX)
Direction/Voice:	Passive
Enforcement Id(EID):	246963
Region:	5S
Order / Resolution Number:	Not reported
Enforcement Action Type:	Notice of Violation
Effective Date:	10/15/2002
Adoption/Issuance Date:	10/15/2002
Achieve Date:	Not reported
Termination Date:	10/15/2002
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	NOV 10/15/2002 for MUSCO FAMILY OLIVE COMPANY,MUSCO WWT & LAND DISPOSAL FACILITY
Description:	Numerous violations described in Record No. 122303
Program:	NON15
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	0
Initial Assessed Amount:	0
Liability $ Amount:	0
Project $ Amount:	0
Liability $ Paid:	0
Project $ Completed:	0
Total $ Paid/Completed Amount:	0

Region:	5S
Facility Id:	241929
Agency Name:	Musco Family Olive Company
Place Type:	Waste Management Unit
Place Subtype:	Surface Impoundment
Facility Type:	Industrial
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	37.7112199
Place Longitude:	-121.52933
SIC Code 1:	2035
SIC Desc 1:	Pickled Fruits and Vegetables, Vegetable Sauces and Seasonings, and Salad Dressings
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported

MUSLO FAMILY OLIVE CO (Continued) **S101175594**

NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	0
Threat To Water Quality:	2
Complexity:	B
Pretreatment:	N - POTW does not have EPA approved pretreatment prog.
Facility Waste Type:	Process waste, NEC
Facility Waste Type 2:	Washwater waste
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	LNDISP
# Of Programs:	1
WDID:	5B392059001
Reg Measure Id:	146174
Reg Measure Type:	WDR
Region:	5S
Order #:	96-075
Npdes# CA#:	Not reported
Major-Minor:	Not reported
Npdes Type:	Not reported
Reclamation:	N - No
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	Not reported
Status:	Historical
Status Date:	03/22/1996
Effective Date:	03/22/1996
Expiration/Review Date:	03/20/2006
Termination Date:	01/26/2005
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	N
Individual/General:	I
Fee Code:	Not reported
Direction/Voice:	Passive
Enforcement Id(EID):	240665
Region:	5S
Order / Resolution Number:	Not reported
Enforcement Action Type:	Notice of Violation
Effective Date:	05/02/2002
Adoption/Issuance Date:	05/02/2002
Achieve Date:	Not reported
Termination Date:	05/02/2002
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	NOV 05/02/2002 for MUSCO FAMILY OLIVE COMPANY, MUSCO CLASS II SURFACE IMPOUND
Description:	Require additional gw monitoring wells per Detection Monitoring Program, Title 27, 20415(b)(1)(B).
Program:	LNDISP

MUSLO FAMILY OLIVE CO (Continued) **S101175594**

Latest Milestone Completion Date:	02/25/2002
# Of Programs1:	1
Total Assessment Amount:	0
Initial Assessed Amount:	0
Liability $ Amount:	0
Project $ Amount:	0
Liability $ Paid:	0
Project $ Completed:	0
Total $ Paid/Completed Amount:	0
Region:	5S
Facility Id:	273102
Agency Name:	Musco Family Olive Company
Place Type:	Industrial and Commercial Services
Place Subtype:	Food Processor
Facility Type:	Industrial
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	37.7112199
Place Longitude:	-121.52933
SIC Code 1:	2035
SIC Desc 1:	Pickled Fruits and Vegetables, Vegetable Sauces and Seasonings, and Salad Dressings
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	311421
NAICS Desc 1:	Fruit and Vegetable Canning (pt)
NAICS Code 2:	Not reported
NAICS Desc 2:	null
NAICS Code 3:	Not reported
NAICS Desc 3:	null
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	9.79999999
Threat To Water Quality:	1
Complexity:	B
Pretreatment:	N - POTW does not have EPA approved pretreatment prog.
Facility Waste Type:	Washwater waste
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	NON15
# Of Programs:	1
WDID:	5B392059002
Reg Measure Id:	146585
Reg Measure Type:	WDR
Region:	5S
Order #:	97-037
Npdes# CA#:	Not reported
Major-Minor:	Not reported
Npdes Type:	Not reported
Reclamation:	N - No
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	Not reported
Status:	Historical

MUSLO FAMILY OLIVE CO (Continued) **S101175594**

Status Date:	02/28/1997
Effective Date:	02/28/1997
Expiration/Review Date:	02/25/2012
Termination Date:	09/05/2002
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	N
Individual/General:	I
Fee Code:	Not reported
Direction/Voice:	Passive
Enforcement Id(EID):	352484
Region:	5S
Order / Resolution Number:	R5-2000-0717
Enforcement Action Type:	Clean-up and Abatement Order
Effective Date:	11/17/2000
Adoption/Issuance Date:	11/17/2000
Achieve Date:	Not reported
Termination Date:	03/17/2010
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	CAO R5-2000-0717 for Musco Family Olive Co, Musco WWT & Land Disposal Facility
Description:	Not reported
Program:	NON15
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	0
Initial Assessed Amount:	0
Liability $ Amount:	0
Project $ Amount:	0
Liability $ Paid:	0
Project $ Completed:	0
Total $ Paid/Completed Amount:	0

Region:	5S
Facility Id:	273102
Agency Name:	Musco Family Olive Company
Place Type:	Industrial and Commercial Services
Place Subtype:	Food Processor
Facility Type:	Industrial
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	37.7112199
Place Longitude:	-121.52933
SIC Code 1:	2035
SIC Desc 1:	Pickled Fruits and Vegetables, Vegetable Sauces and Seasonings, and Salad Dressings
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	311421
NAICS Desc 1:	Fruit and Vegetable Canning (pt)

MUSLO FAMILY OLIVE CO (Continued) **S101175594**

NAICS Code 2:	Not reported
NAICS Desc 2:	null
NAICS Code 3:	Not reported
NAICS Desc 3:	null
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	9.79999999
Threat To Water Quality:	1
Complexity:	B
Pretreatment:	N - POTW does not have EPA approved pretreatment prog.
Facility Waste Type:	Washwater waste
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	NON15
# Of Programs:	1
WDID:	5B392059002
Reg Measure Id:	146585
Reg Measure Type:	WDR
Region:	5S
Order #:	97-037
Npdes# CA#:	Not reported
Major-Minor:	Not reported
Npdes Type:	Not reported
Reclamation:	N - No
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	Not reported
Status:	Historical
Status Date:	02/28/1997
Effective Date:	02/28/1997
Expiration/Review Date:	02/25/2012
Termination Date:	09/05/2002
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	N
Individual/General:	I
Fee Code:	Not reported
Direction/Voice:	Passive
Enforcement Id(EID):	248448
Region:	5S
Order / Resolution Number:	Not reported
Enforcement Action Type:	Notice of Violation
Effective Date:	08/26/2002
Adoption/Issuance Date:	08/26/2002
Achieve Date:	Not reported
Termination Date:	08/26/2002
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	NOV 08/26/2002 for MUSCO FAMILY OLIVE COMPANY,MUSCO WWT & LAND DISPOSAL FACILITY
Description:	wastewater storage pond not complete, pond reports not complete

MUSLO FAMILY OLIVE CO (Continued) **S101175594**

Program:	NON15
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	0
Initial Assessed Amount:	0
Liability $ Amount:	0
Project $ Amount:	0
Liability $ Paid:	0
Project $ Completed:	0
Total $ Paid/Completed Amount:	0
Region:	5S
Facility Id:	273102
Agency Name:	Musco Family Olive Company
Place Type:	Industrial and Commercial Services
Place Subtype:	Food Processor
Facility Type:	Industrial
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	37.7112199
Place Longitude:	-121.52933
SIC Code 1:	2035
SIC Desc 1:	Pickled Fruits and Vegetables, Vegetable Sauces and Seasonings, and Salad Dressings
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	311421
NAICS Desc 1:	Fruit and Vegetable Canning (pt)
NAICS Code 2:	Not reported
NAICS Desc 2:	null
NAICS Code 3:	Not reported
NAICS Desc 3:	null
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	9.79999999
Threat To Water Quality:	1
Complexity:	A
Pretreatment:	X - Facility is not a POTW
Facility Waste Type:	Washwater waste
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	NON15
# Of Programs:	1
WDID:	5B392059002
Reg Measure Id:	132034
Reg Measure Type:	WDR
Region:	5S
Order #:	R5-2002-0148
Npdes# CA#:	Not reported
Major-Minor:	Not reported
Npdes Type:	Not reported
Reclamation:	N - No
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	1200

MUSLO FAMILY OLIVE CO (Continued) **S101175594**

Status:	Historical
Status Date:	08/19/2010
Effective Date:	09/06/2002
Expiration/Review Date:	09/06/2007
Termination Date:	03/17/2010
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	N
Individual/General:	I
Fee Code:	58 - Non15 Based on (TTWQ)/CPLX)
Direction/Voice:	Passive
Enforcement Id(EID):	253551
Region:	5S
Order / Resolution Number:	R5-2004-0534
Enforcement Action Type:	Admin Civil Liability
Effective Date:	08/06/2004
Adoption/Issuance Date:	Not reported
Achieve Date:	Not reported
Termination Date:	Not reported
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Superceded
Title:	ACLC R5-2004-0534 for Musco Family Olive Co
Description:	ACL adopted for violations of TSO Order Nos. R5-2002-0014 and R5-2002-0014-R01. ACL prescribed a fine of $493,500. ACL and Penalty Order R5-2007-0138 resolves violations alleged in this ACLC.
Program:	NON15
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	0
Initial Assessed Amount:	0
Liability $ Amount:	0
Project $ Amount:	0
Liability $ Paid:	0
Project $ Completed:	0
Total $ Paid/Completed Amount:	0

Region:	5S
Facility Id:	241929
Agency Name:	Musco Family Olive Company
Place Type:	Waste Management Unit
Place Subtype:	Surface Impoundment
Facility Type:	Industrial
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	37.7112199
Place Longitude:	-121.52933
SIC Code 1:	2035
SIC Desc 1:	Pickled Fruits and Vegetables, Vegetable Sauces and Seasonings, and Salad Dressings
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported

MUSLO FAMILY OLIVE CO (Continued) **S101175594**

NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	0
Threat To Water Quality:	2
Complexity:	B
Pretreatment:	X - Facility is not a POTW
Facility Waste Type:	Process waste, NEC
Facility Waste Type 2:	Washwater waste
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	LNDISP
# Of Programs:	1
WDID:	5B392059001
Reg Measure Id:	133281
Reg Measure Type:	WDR
Region:	5S
Order #:	R5-2005-0024
Npdes# CA#:	Not reported
Major-Minor:	Not reported
Npdes Type:	Not reported
Reclamation:	N - No
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	Not reported
Status:	Active
Status Date:	01/17/2008
Effective Date:	01/27/2005
Expiration/Review Date:	01/27/2015
Termination Date:	Not reported
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	N
Individual/General:	I
Fee Code:	59 - Land Disposal Site not paying tipping fee
Direction/Voice:	Passive
Enforcement Id(EID):	321347
Region:	5S
Order / Resolution Number:	Not reported
Enforcement Action Type:	Notice of Violation
Effective Date:	02/22/2007
Adoption/Issuance Date:	Not reported
Achieve Date:	Not reported
Termination Date:	Not reported
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Active
Title:	NOV 02/22/2007 for Musco Family Olive Company

MUSLO FAMILY OLIVE CO (Continued) **S101175594**

Description:	Discharger did not report all LCRSs as required in MRP No. R5-2005-0024.
Program:	LNDISP
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	0
Initial Assessed Amount:	0
Liability $ Amount:	0
Project $ Amount:	0
Liability $ Paid:	0
Project $ Completed:	0
Total $ Paid/Completed Amount:	0
Region:	5S
Facility Id:	273102
Agency Name:	Musco Family Olive Company
Place Type:	Industrial and Commercial Services
Place Subtype:	Food Processor
Facility Type:	Industrial
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	37.7112199
Place Longitude:	-121.52933
SIC Code 1:	2035
SIC Desc 1:	Pickled Fruits and Vegetables, Vegetable Sauces and Seasonings, and Salad Dressings
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	311421
NAICS Desc 1:	Fruit and Vegetable Canning (pt)
NAICS Code 2:	Not reported
NAICS Desc 2:	null
NAICS Code 3:	Not reported
NAICS Desc 3:	null
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	9.79999999
Threat To Water Quality:	1
Complexity:	A
Pretreatment:	X - Facility is not a POTW
Facility Waste Type:	Washwater waste
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	NON15
# Of Programs:	1
WDID:	5B392059002
Reg Measure Id:	132034
Reg Measure Type:	WDR
Region:	5S
Order #:	R5-2002-0148
Npdes# CA#:	Not reported
Major-Minor:	Not reported
Npdes Type:	Not reported
Reclamation:	N - No
Dredge Fill Fee:	Not reported

MUSLO FAMILY OLIVE CO (Continued) **S101175594**

301H:	Not reported
Application Fee Amt Received:	1200
Status:	Historical
Status Date:	08/19/2010
Effective Date:	09/06/2002
Expiration/Review Date:	09/06/2007
Termination Date:	03/17/2010
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	N
Individual/General:	I
Fee Code:	58 - Non15 Based on (TTWQ)/CPLX)
Direction/Voice:	Passive
Enforcement Id(EID):	322487
Region:	5S
Order / Resolution Number:	Not reported
Enforcement Action Type:	Notice of Violation
Effective Date:	11/22/2006
Adoption/Issuance Date:	Not reported
Achieve Date:	Not reported
Termination Date:	11/22/2006
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	NOV 11/22/2006 for Musco Family Olive Company
Description:	Notice of violation for violations of WDRs R5-2002-0148 and CAO R5-2002-0149. A review of DSMRs submitted the months of January 2005 through September 2006.
Program:	NON15
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	0
Initial Assessed Amount:	0
Liability $ Amount:	0
Project $ Amount:	0
Liability $ Paid:	0
Project $ Completed:	0
Total $ Paid/Completed Amount:	0

Region:	5S
Facility Id:	273102
Agency Name:	Musco Family Olive Company
Place Type:	Industrial and Commercial Services
Place Subtype:	Food Processor
Facility Type:	Industrial
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	37.7112199
Place Longitude:	-121.52933
SIC Code 1:	2035
SIC Desc 1:	Pickled Fruits and Vegetables, Vegetable Sauces and Seasonings, and Salad Dressings
SIC Code 2:	Not reported
SIC Desc 2:	Not reported

MUSLO FAMILY OLIVE CO (Continued) **S101175594**

SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	311421
NAICS Desc 1:	Fruit and Vegetable Canning (pt)
NAICS Code 2:	Not reported
NAICS Desc 2:	null
NAICS Code 3:	Not reported
NAICS Desc 3:	null
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	9.79999999
Threat To Water Quality:	1
Complexity:	A
Pretreatment:	X - Facility is not a POTW
Facility Waste Type:	Washwater waste
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	NON15
# Of Programs:	1
WDID:	5B392059002
Reg Measure Id:	132034
Reg Measure Type:	WDR
Region:	5S
Order #:	R5-2002-0148
Npdes# CA#:	Not reported
Major-Minor:	Not reported
Npdes Type:	Not reported
Reclamation:	N - No
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	1200
Status:	Historical
Status Date:	08/19/2010
Effective Date:	09/06/2002
Expiration/Review Date:	09/06/2007
Termination Date:	03/17/2010
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	N
Individual/General:	I
Fee Code:	58 - Non15 Based on (TTWQ)/CPLX)
Direction/Voice:	Passive
Enforcement Id(EID):	251475
Region:	5S
Order / Resolution Number:	Not reported
Enforcement Action Type:	Notice of Violation
Effective Date:	03/01/2004
Adoption/Issuance Date:	03/01/2004
Achieve Date:	Not reported
Termination Date:	03/01/2004
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported

MUSLO FAMILY OLIVE CO (Continued) **S101175594**

Status:	Historical
Title:	NOV 03/01/2004 for Musco Family Olive CO, Musco WWT & Land Disposal Facility
Description:	NOV for late and incomplete SMRs.
Program:	NON15
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	0
Initial Assessed Amount:	0
Liability $ Amount:	0
Project $ Amount:	0
Liability $ Paid:	0
Project $ Completed:	0
Total $ Paid/Completed Amount:	0
Region:	5S
Facility Id:	273102
Agency Name:	Musco Family Olive Company
Place Type:	Industrial and Commercial Services
Place Subtype:	Food Processor
Facility Type:	Industrial
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	37.7112199
Place Longitude:	-121.52933
SIC Code 1:	2035
SIC Desc 1:	Pickled Fruits and Vegetables, Vegetable Sauces and Seasonings, and Salad Dressings
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	311421
NAICS Desc 1:	Fruit and Vegetable Canning (pt)
NAICS Code 2:	Not reported
NAICS Desc 2:	null
NAICS Code 3:	Not reported
NAICS Desc 3:	null
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	9.79999999
Threat To Water Quality:	1
Complexity:	B
Pretreatment:	N - POTW does not have EPA approved pretreatment prog.
Facility Waste Type:	Washwater waste
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	NON15
# Of Programs:	1
WDID:	5B392059002
Reg Measure Id:	146585
Reg Measure Type:	WDR
Region:	5S
Order #:	97-037
Npdes# CA#:	Not reported
Major-Minor:	Not reported
Npdes Type:	Not reported

MUSLO FAMILY OLIVE CO (Continued) **S101175594**

Reclamation:	N - No
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	Not reported
Status:	Historical
Status Date:	02/28/1997
Effective Date:	02/28/1997
Expiration/Review Date:	02/25/2012
Termination Date:	09/05/2002
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	N
Individual/General:	I
Fee Code:	Not reported
Direction/Voice:	Passive
Enforcement Id(EID):	247393
Region:	5S
Order / Resolution Number:	Not reported
Enforcement Action Type:	Notice of Violation
Effective Date:	09/18/2002
Adoption/Issuance Date:	09/18/2002
Achieve Date:	Not reported
Termination Date:	09/18/2002
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	NOV 09/18/2002 for MUSCO FAMILY OLIVE COMPANY,MUSCO WWT & LAND DISPOSAL FACILITY
Description:	Nuisance odors noted off site.
Program:	NON15
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	0
Initial Assessed Amount:	0
Liability $ Amount:	0
Project $ Amount:	0
Liability $ Paid:	0
Project $ Completed:	0
Total $ Paid/Completed Amount:	0

Region:	5S
Facility Id:	273102
Agency Name:	Musco Family Olive Company
Place Type:	Industrial and Commercial Services
Place Subtype:	Food Processor
Facility Type:	Industrial
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	37.7112199
Place Longitude:	-121.52933
SIC Code 1:	2035
SIC Desc 1:	Pickled Fruits and Vegetables, Vegetable Sauces and Seasonings, and Salad Dressings
SIC Code 2:	Not reported

MUSLO FAMILY OLIVE CO (Continued) **S101175594**

SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	311421
NAICS Desc 1:	Fruit and Vegetable Canning (pt)
NAICS Code 2:	Not reported
NAICS Desc 2:	null
NAICS Code 3:	Not reported
NAICS Desc 3:	null
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	9.79999999
Threat To Water Quality:	1
Complexity:	A
Pretreatment:	X - Facility is not a POTW
Facility Waste Type:	Washwater waste
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	NON15
# Of Programs:	1
WDID:	5B392059002
Reg Measure Id:	132034
Reg Measure Type:	WDR
Region:	5S
Order #:	R5-2002-0148
Npdes# CA#:	Not reported
Major-Minor:	Not reported
Npdes Type:	Not reported
Reclamation:	N - No
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	1200
Status:	Historical
Status Date:	08/19/2010
Effective Date:	09/06/2002
Expiration/Review Date:	09/06/2007
Termination Date:	03/17/2010
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	N
Individual/General:	I
Fee Code:	58 - Non15 Based on (TTWQ)/CPLX)
Direction/Voice:	Passive
Enforcement Id(EID):	251476
Region:	5S
Order / Resolution Number:	Not reported
Enforcement Action Type:	Notice of Violation
Effective Date:	04/28/2004
Adoption/Issuance Date:	04/28/2004
Achieve Date:	Not reported
Termination Date:	04/28/2004
ACL Issuance Date:	Not reported

MUSLO FAMILY OLIVE CO (Continued) **S101175594**

EPL Issuance Date:	Not reported
Status:	Historical
Title:	NOV 04/28/2004 for Musco Family Olive CO, Musco WWT & Land Disposal Facility
Description:	NOV for discharging seepage offsite. Staff needs further characterization to determine if the seepage is mixed with wastewater.
Program:	NON15
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	0
Initial Assessed Amount:	0
Liability $ Amount:	0
Project $ Amount:	0
Liability $ Paid:	0
Project $ Completed:	0
Total $ Paid/Completed Amount:	0

Region:	5S
Facility Id:	273102
Agency Name:	Musco Family Olive Company
Place Type:	Industrial and Commercial Services
Place Subtype:	Food Processor
Facility Type:	Industrial
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	37.7112199
Place Longitude:	-121.52933
SIC Code 1:	2035
SIC Desc 1:	Pickled Fruits and Vegetables, Vegetable Sauces and Seasonings, and Salad Dressings
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	311421
NAICS Desc 1:	Fruit and Vegetable Canning (pt)
NAICS Code 2:	Not reported
NAICS Desc 2:	null
NAICS Code 3:	Not reported
NAICS Desc 3:	null
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	9.79999999
Threat To Water Quality:	1
Complexity:	A
Pretreatment:	X - Facility is not a POTW
Facility Waste Type:	Washwater waste
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	NON15
# Of Programs:	1
WDID:	5B392059002
Reg Measure Id:	132034
Reg Measure Type:	WDR
Region:	5S
Order #:	R5-2002-0148
Npdes# CA#:	Not reported

MUSLO FAMILY OLIVE CO (Continued) **S101175594**

Major-Minor:	Not reported
Npdes Type:	Not reported
Reclamation:	N - No
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	1200
Status:	Historical
Status Date:	08/19/2010
Effective Date:	09/06/2002
Expiration/Review Date:	09/06/2007
Termination Date:	03/17/2010
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	N
Individual/General:	I
Fee Code:	58 - Non15 Based on (TTWQ)/CPLX)
Direction/Voice:	Passive
Enforcement Id(EID):	242853
Region:	5S
Order / Resolution Number:	Not reported
Enforcement Action Type:	Notice of Violation
Effective Date:	07/10/2003
Adoption/Issuance Date:	07/10/2003
Achieve Date:	Not reported
Termination Date:	07/10/2003
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	NOV 07/10/2003 for MUSCO FAMILY OLIVE COMPANY,MUSCO WWT & LAND DISPOSAL FACILITY
Description:	The Discharger needs to implement measures to ensure the odor abatement measure does not threaten to violate land application specifications
Program:	NON15
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	0
Initial Assessed Amount:	0
Liability $ Amount:	0
Project $ Amount:	0
Liability $ Paid:	0
Project $ Completed:	0
Total $ Paid/Completed Amount:	0

Region:	5S
Facility Id:	241929
Agency Name:	Musco Family Olive Company
Place Type:	Waste Management Unit
Place Subtype:	Surface Impoundment
Facility Type:	Industrial
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	37.7112199

MUSLO FAMILY OLIVE CO (Continued) **S101175594**

Place Longitude:	-121.52933
SIC Code 1:	2035
SIC Desc 1:	Pickled Fruits and Vegetables, Vegetable Sauces and Seasonings, and Salad Dressings
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	0
Threat To Water Quality:	2
Complexity:	B
Pretreatment:	X - Facility is not a POTW
Facility Waste Type:	Process waste, NEC
Facility Waste Type 2:	Washwater waste
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	LNDISP
# Of Programs:	1
WDID:	5B392059001
Reg Measure Id:	133281
Reg Measure Type:	WDR
Region:	5S
Order #:	R5-2005-0024
Npdes# CA#:	Not reported
Major-Minor:	Not reported
Npdes Type:	Not reported
Reclamation:	N - No
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	Not reported
Status:	Active
Status Date:	01/17/2008
Effective Date:	01/27/2005
Expiration/Review Date:	01/27/2015
Termination Date:	Not reported
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	N
Individual/General:	I
Fee Code:	59 - Land Disposal Site not paying tipping fee
Direction/Voice:	Passive
Enforcement Id(EID):	256397
Region:	5S
Order / Resolution Number:	Not reported
Enforcement Action Type:	Staff Enforcement Letter
Effective Date:	05/15/2005

MUSLO FAMILY OLIVE CO (Continued) **S101175594**

Adoption/Issuance Date:	Not reported
Achieve Date:	Not reported
Termination Date:	Not reported
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Active
Title:	SEL 05/15/2005 for Musco Class II Surface Impoundment
Description:	Financial assurance due by 30 April annually. No report submitted.
Program:	LNDISP
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	0
Initial Assessed Amount:	0
Liability $ Amount:	0
Project $ Amount:	0
Liability $ Paid:	0
Project $ Completed:	0
Total $ Paid/Completed Amount:	0

Region:	5S
Facility Id:	273102
Agency Name:	Musco Family Olive Company
Place Type:	Industrial and Commercial Services
Place Subtype:	Food Processor
Facility Type:	Industrial
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	37.7112199
Place Longitude:	-121.52933
SIC Code 1:	2035
SIC Desc 1:	Pickled Fruits and Vegetables, Vegetable Sauces and Seasonings, and Salad Dressings
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	311421
NAICS Desc 1:	Fruit and Vegetable Canning (pt)
NAICS Code 2:	Not reported
NAICS Desc 2:	null
NAICS Code 3:	Not reported
NAICS Desc 3:	null
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	9.79999999
Threat To Water Quality:	1
Complexity:	A
Pretreatment:	X - Facility is not a POTW
Facility Waste Type:	Washwater waste
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	NON15
# Of Programs:	1
WDID:	5B392059002
Reg Measure Id:	132034
Reg Measure Type:	WDR
Region:	5S

MUSLO FAMILY OLIVE CO (Continued) **S101175594**

Order #:	R5-2002-0148
Npdes# CA#:	Not reported
Major-Minor:	Not reported
Npdes Type:	Not reported
Reclamation:	N - No
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	1200
Status:	Historical
Status Date:	08/19/2010
Effective Date:	09/06/2002
Expiration/Review Date:	09/06/2007
Termination Date:	03/17/2010
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	N
Individual/General:	I
Fee Code:	58 - Non15 Based on (TTWQ)/CPLX)
Direction/Voice:	Passive
Enforcement Id(EID):	339655
Region:	5S
Order / Resolution Number:	Not reported
Enforcement Action Type:	Notice of Violation
Effective Date:	01/15/2008
Adoption/Issuance Date:	Not reported
Achieve Date:	Not reported
Termination Date:	01/15/2008
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	NOV 1/15/2008 for Musco Family Olive Company
Description:	NOV sent for stormwater discharge in violation of CDO R5-2007-0139. Review of stormwater and tailwater evaluation report.
Program:	NON15
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	0
Initial Assessed Amount:	0
Liability $ Amount:	0
Project $ Amount:	0
Liability $ Paid:	0
Project $ Completed:	0
Total $ Paid/Completed Amount:	0

Region:	5S
Facility Id:	273102
Agency Name:	Musco Family Olive Company
Place Type:	Industrial and Commercial Services
Place Subtype:	Food Processor
Facility Type:	Industrial
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	37.7112199

MUSLO FAMILY OLIVE CO (Continued) **S101175594**

Place Longitude:	-121.52933
SIC Code 1:	2035
SIC Desc 1:	Pickled Fruits and Vegetables, Vegetable Sauces and Seasonings, and Salad Dressings
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	311421
NAICS Desc 1:	Fruit and Vegetable Canning (pt)
NAICS Code 2:	Not reported
NAICS Desc 2:	null
NAICS Code 3:	Not reported
NAICS Desc 3:	null
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	9.79999999
Threat To Water Quality:	1
Complexity:	B
Pretreatment:	N - POTW does not have EPA approved pretreatment prog.
Facility Waste Type:	Washwater waste
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	NON15
# Of Programs:	1
WDID:	5B392059002
Reg Measure Id:	146585
Reg Measure Type:	WDR
Region:	5S
Order #:	97-037
Npdes# CA#:	Not reported
Major-Minor:	Not reported
Npdes Type:	Not reported
Reclamation:	N - No
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	Not reported
Status:	Historical
Status Date:	02/28/1997
Effective Date:	02/28/1997
Expiration/Review Date:	02/25/2012
Termination Date:	09/05/2002
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	N
Individual/General:	I
Fee Code:	Not reported
Direction/Voice:	Passive
Enforcement Id(EID):	241990
Region:	5S
Order / Resolution Number:	Not reported
Enforcement Action Type:	Notice of Violation
Effective Date:	05/08/2002

MUSLO FAMILY OLIVE CO (Continued) **S101175594**

Adoption/Issuance Date:	05/08/2002
Achieve Date:	Not reported
Termination Date:	05/08/2002
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	NOV 05/08/2002 for MUSCO FAMILY OLIVE COMPANY,MUSCO WWT & LAND DISPOSAL FACILITY
Description:	Discharger failed to perform monitoring in accordance with revised MRP No. 97-037.
Program:	NON15
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	0
Initial Assessed Amount:	0
Liability $ Amount:	0
Project $ Amount:	0
Liability $ Paid:	0
Project $ Completed:	0
Total $ Paid/Completed Amount:	0

Region:	5S
Facility Id:	273102
Agency Name:	Musco Family Olive Company
Place Type:	Industrial and Commercial Services
Place Subtype:	Food Processor
Facility Type:	Industrial
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	37.7112199
Place Longitude:	-121.52933
SIC Code 1:	2035
SIC Desc 1:	Pickled Fruits and Vegetables, Vegetable Sauces and Seasonings, and Salad Dressings
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	311421
NAICS Desc 1:	Fruit and Vegetable Canning (pt)
NAICS Code 2:	Not reported
NAICS Desc 2:	null
NAICS Code 3:	Not reported
NAICS Desc 3:	null
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	9.79999999
Threat To Water Quality:	1
Complexity:	A
Pretreatment:	X - Facility is not a POTW
Facility Waste Type:	Washwater waste
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	NON15
# Of Programs:	1
WDID:	5B392059002
Reg Measure Id:	132034

MUSLO FAMILY OLIVE CO (Continued) **S101175594**

Reg Measure Type:	WDR
Region:	5S
Order #:	R5-2002-0148
Npdes# CA#:	Not reported
Major-Minor:	Not reported
Npdes Type:	Not reported
Reclamation:	N - No
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	1200
Status:	Historical
Status Date:	08/19/2010
Effective Date:	09/06/2002
Expiration/Review Date:	09/06/2007
Termination Date:	03/17/2010
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	N
Individual/General:	I
Fee Code:	58 - Non15 Based on (TTWQ)/CPLX)
Direction/Voice:	Passive
Enforcement Id(EID):	242522
Region:	5S
Order / Resolution Number:	Not reported
Enforcement Action Type:	Notice of Violation
Effective Date:	04/21/2003
Adoption/Issuance Date:	04/21/2003
Achieve Date:	Not reported
Termination Date:	04/21/2003
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	NOV 04/21/2003 for MUSCO FAMILY OLIVE COMPANY,MUSCO WWT & LAND DISPOSAL FACILITY
Description:	Discharger needs to provide a written report of the measures it will implement to addresss the violations and keep them from recurring
Program:	NON15
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	0
Initial Assessed Amount:	0
Liability $ Amount:	0
Project $ Amount:	0
Liability $ Paid:	0
Project $ Completed:	0
Total $ Paid/Completed Amount:	0

Region:	5S
Facility Id:	273102
Agency Name:	Musco Family Olive Company
Place Type:	Industrial and Commercial Services
Place Subtype:	Food Processor
Facility Type:	Industrial

MUSLO FAMILY OLIVE CO (Continued) **S101175594**

Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	37.7112199
Place Longitude:	-121.52933
SIC Code 1:	2035
SIC Desc 1:	Pickled Fruits and Vegetables, Vegetable Sauces and Seasonings, and Salad Dressings
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	311421
NAICS Desc 1:	Fruit and Vegetable Canning (pt)
NAICS Code 2:	Not reported
NAICS Desc 2:	null
NAICS Code 3:	Not reported
NAICS Desc 3:	null
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	9.79999999
Threat To Water Quality:	1
Complexity:	A
Pretreatment:	X - Facility is not a POTW
Facility Waste Type:	Washwater waste
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	NON15
# Of Programs:	1
WDID:	5B392059002
Reg Measure Id:	132034
Reg Measure Type:	WDR
Region:	5S
Order #:	R5-2002-0148
Npdes# CA#:	Not reported
Major-Minor:	Not reported
Npdes Type:	Not reported
Reclamation:	N - No
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	1200
Status:	Historical
Status Date:	08/19/2010
Effective Date:	09/06/2002
Expiration/Review Date:	09/06/2007
Termination Date:	03/17/2010
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	N
Individual/General:	I
Fee Code:	58 - Non15 Based on (TTWQ)/CPLX)
Direction/Voice:	Passive
Enforcement Id(EID):	242817
Region:	5S

MUSLO FAMILY OLIVE CO (Continued) **S101175594**

Order / Resolution Number:	Not reported
Enforcement Action Type:	Oral Communication
Effective Date:	04/03/2003
Adoption/Issuance Date:	Not reported
Achieve Date:	Not reported
Termination Date:	04/03/2003
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	Enforcement - 5B392059002
Description:	Need to report BOD and DO for all fields that are irrigated with wastewater
Program:	NON15
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	0
Initial Assessed Amount:	0
Liability $ Amount:	0
Project $ Amount:	0
Liability $ Paid:	0
Project $ Completed:	0
Total $ Paid/Completed Amount:	0

Region:	5S
Facility Id:	273102
Agency Name:	Musco Family Olive Company
Place Type:	Industrial and Commercial Services
Place Subtype:	Food Processor
Facility Type:	Industrial
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	37.7112199
Place Longitude:	-121.52933
SIC Code 1:	2035
SIC Desc 1:	Pickled Fruits and Vegetables, Vegetable Sauces and Seasonings, and Salad Dressings
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	311421
NAICS Desc 1:	Fruit and Vegetable Canning (pt)
NAICS Code 2:	Not reported
NAICS Desc 2:	null
NAICS Code 3:	Not reported
NAICS Desc 3:	null
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	9.79999999
Threat To Water Quality:	1
Complexity:	A
Pretreatment:	X - Facility is not a POTW
Facility Waste Type:	Washwater waste
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	NON15
# Of Programs:	1

MUSLO FAMILY OLIVE CO (Continued) **S101175594**

WDID:	5B392059002
Reg Measure Id:	132034
Reg Measure Type:	WDR
Region:	5S
Order #:	R5-2002-0148
Npdes# CA#:	Not reported
Major-Minor:	Not reported
Npdes Type:	Not reported
Reclamation:	N - No
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	1200
Status:	Historical
Status Date:	08/19/2010
Effective Date:	09/06/2002
Expiration/Review Date:	09/06/2007
Termination Date:	03/17/2010
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	N
Individual/General:	I
Fee Code:	58 - Non15 Based on (TTWQ)/CPLX)
Direction/Voice:	Passive
Enforcement Id(EID):	252741
Region:	5S
Order / Resolution Number:	R5-2002-0149
Enforcement Action Type:	Clean-up and Abatement Order
Effective Date:	09/06/2002
Adoption/Issuance Date:	Not reported
Achieve Date:	Not reported
Termination Date:	Not reported
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	CAO R5-2002-0149 for Musco Family Olive Company
Description:	CAO issued for causing or permitting waste to be discharged in such a manner that it has created, and continues to threaten to create, a condition of pollution or nuisance.
Program:	NON15
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	0
Initial Assessed Amount:	0
Liability $ Amount:	0
Project $ Amount:	0
Liability $ Paid:	0
Project $ Completed:	0
Total $ Paid/Completed Amount:	0
Region:	5S
Facility Id:	273102
Agency Name:	Musco Family Olive Company
Place Type:	Industrial and Commercial Services

MUSLO FAMILY OLIVE CO (Continued) **S101175594**

Place Subtype:	Food Processor
Facility Type:	Industrial
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	37.7112199
Place Longitude:	-121.52933
SIC Code 1:	2035
SIC Desc 1:	Pickled Fruits and Vegetables, Vegetable Sauces and Seasonings, and Salad Dressings
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	311421
NAICS Desc 1:	Fruit and Vegetable Canning (pt)
NAICS Code 2:	Not reported
NAICS Desc 2:	null
NAICS Code 3:	Not reported
NAICS Desc 3:	null
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	9.79999999
Threat To Water Quality:	1
Complexity:	B
Pretreatment:	N - POTW does not have EPA approved pretreatment prog.
Facility Waste Type:	Washwater waste
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	NON15
# Of Programs:	1
WDID:	5B392059002
Reg Measure Id:	146585
Reg Measure Type:	WDR
Region:	5S
Order #:	97-037
Npdes# CA#:	Not reported
Major-Minor:	Not reported
Npdes Type:	Not reported
Reclamation:	N - No
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	Not reported
Status:	Historical
Status Date:	02/28/1997
Effective Date:	02/28/1997
Expiration/Review Date:	02/25/2012
Termination Date:	09/05/2002
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	N
Individual/General:	I
Fee Code:	Not reported
Direction/Voice:	Passive

MUSLO FAMILY OLIVE CO (Continued) **S101175594**

Enforcement Id(EID):	247922
Region:	5S
Order / Resolution Number:	R5-2002-0014-R01
Enforcement Action Type:	13308 Enforcement Action
Effective Date:	06/06/2002
Adoption/Issuance Date:	Not reported
Achieve Date:	Not reported
Termination Date:	Not reported
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	13308 TSO R5-2002-0014-R01 for Musco Family Olive Company
Description:	Revised- Water Code Section 13308 Time Schedule Order No. R5-2002-0014 adopted to address the violations and provide higher flow limit than the Order No. R5-2002-0014
Program:	NON15
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	0
Initial Assessed Amount:	0
Liability $ Amount:	0
Project $ Amount:	0
Liability $ Paid:	0
Project $ Completed:	0
Total $ Paid/Completed Amount:	0

Region:	5S
Facility Id:	273102
Agency Name:	Musco Family Olive Company
Place Type:	Industrial and Commercial Services
Place Subtype:	Food Processor
Facility Type:	Industrial
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	37.7112199
Place Longitude:	-121.52933
SIC Code 1:	2035
SIC Desc 1:	Pickled Fruits and Vegetables, Vegetable Sauces and Seasonings, and Salad Dressings
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	311421
NAICS Desc 1:	Fruit and Vegetable Canning (pt)
NAICS Code 2:	Not reported
NAICS Desc 2:	null
NAICS Code 3:	Not reported
NAICS Desc 3:	null
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	9.79999999
Threat To Water Quality:	1
Complexity:	B
Pretreatment:	N - POTW does not have EPA approved pretreatment prog.
Facility Waste Type:	Washwater waste
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported

MUSLO FAMILY OLIVE CO (Continued) **S101175594**

Facility Waste Type 4:	Not reported
Program:	NON15
# Of Programs:	1
WDID:	5B392059002
Reg Measure Id:	146585
Reg Measure Type:	WDR
Region:	5S
Order #:	97-037
Npdes# CA#:	Not reported
Major-Minor:	Not reported
Npdes Type:	Not reported
Reclamation:	N - No
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	Not reported
Status:	Historical
Status Date:	02/28/1997
Effective Date:	02/28/1997
Expiration/Review Date:	02/25/2012
Termination Date:	09/05/2002
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	N
Individual/General:	I
Fee Code:	Not reported
Direction/Voice:	Passive
Enforcement Id(EID):	241577
Region:	5S
Order / Resolution Number:	R5-2002-0502
Enforcement Action Type:	Admin Civil Liability
Effective Date:	04/11/2002
Adoption/Issuance Date:	Not reported
Achieve Date:	Not reported
Termination Date:	Not reported
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	Enforcement - 5B392059002
Description:	$150,000 ACLC for numerous violations of WDRs and C&A Order.
Program:	NON15
Latest Milestone Completion Date:	06/06/2003
# Of Programs1:	1
Total Assessment Amount:	150000
Initial Assessed Amount:	0
Liability $ Amount:	150000
Project $ Amount:	0
Liability $ Paid:	150000
Project $ Completed:	0
Total $ Paid/Completed Amount:	150000
Region:	5S
Facility Id:	241929
Agency Name:	Musco Family Olive Company

MUSLO FAMILY OLIVE CO (Continued) **S101175594**

Place Type:	Waste Management Unit
Place Subtype:	Surface Impoundment
Facility Type:	Industrial
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	37.7112199
Place Longitude:	-121.52933
SIC Code 1:	2035
SIC Desc 1:	Pickled Fruits and Vegetables, Vegetable Sauces and Seasonings, and Salad Dressings
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	0
Threat To Water Quality:	2
Complexity:	B
Pretreatment:	X - Facility is not a POTW
Facility Waste Type:	Process waste, NEC
Facility Waste Type 2:	Washwater waste
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	LNDISP
# Of Programs:	1
WDID:	5B392059001
Reg Measure Id:	133281
Reg Measure Type:	WDR
Region:	5S
Order #:	R5-2005-0024
Npdes# CA#:	Not reported
Major-Minor:	Not reported
Npdes Type:	Not reported
Reclamation:	N - No
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	Not reported
Status:	Active
Status Date:	01/17/2008
Effective Date:	01/27/2005
Expiration/Review Date:	01/27/2015
Termination Date:	Not reported
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	N
Individual/General:	I
Fee Code:	59 - Land Disposal Site not paying tipping fee

MUSLO FAMILY OLIVE CO (Continued) **S101175594**

Direction/Voice:	Passive
Enforcement Id(EID):	311451
Region:	5S
Order / Resolution Number:	Not reported
Enforcement Action Type:	13267 Letter
Effective Date:	08/14/2006
Adoption/Issuance Date:	Not reported
Achieve Date:	Not reported
Termination Date:	Not reported
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Active
Title:	13267 Letter 08/14/2006 for Musco Family Olive Company
Description:	13267 letter sent for failure to submit workplan requested by 04/28/2006 NOV
Program:	LNDISP
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	0
Initial Assessed Amount:	0
Liability $ Amount:	0
Project $ Amount:	0
Liability $ Paid:	0
Project $ Completed:	0
Total $ Paid/Completed Amount:	0

Region:	5S
Facility Id:	273102
Agency Name:	Musco Family Olive Company
Place Type:	Industrial and Commercial Services
Place Subtype:	Food Processor
Facility Type:	Industrial
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	37.7112199
Place Longitude:	-121.52933
SIC Code 1:	2035
SIC Desc 1:	Pickled Fruits and Vegetables, Vegetable Sauces and Seasonings, and Salad Dressings
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	311421
NAICS Desc 1:	Fruit and Vegetable Canning (pt)
NAICS Code 2:	Not reported
NAICS Desc 2:	null
NAICS Code 3:	Not reported
NAICS Desc 3:	null
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	9.79999999
Threat To Water Quality:	1
Complexity:	A
Pretreatment:	X - Facility is not a POTW
Facility Waste Type:	Washwater waste
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported

MUSLO FAMILY OLIVE CO (Continued) **S101175594**

Facility Waste Type 4:	Not reported
Program:	NON15
# Of Programs:	1
WDID:	5B392059002
Reg Measure Id:	132034
Reg Measure Type:	WDR
Region:	5S
Order #:	R5-2002-0148
Npdes# CA#:	Not reported
Major-Minor:	Not reported
Npdes Type:	Not reported
Reclamation:	N - No
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	1200
Status:	Historical
Status Date:	08/19/2010
Effective Date:	09/06/2002
Expiration/Review Date:	09/06/2007
Termination Date:	03/17/2010
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	N
Individual/General:	I
Fee Code:	58 - Non15 Based on (TTWQ)/CPLX)
Direction/Voice:	Passive
Enforcement Id(EID):	242715
Region:	5S
Order / Resolution Number:	Not reported
Enforcement Action Type:	Notice of Violation
Effective Date:	05/20/2002
Adoption/Issuance Date:	05/20/2002
Achieve Date:	Not reported
Termination Date:	05/20/2002
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	NOV 05/20/2002 for MUSCO FAMILY OLIVE COMPANY,MUSCO WWT & LAND DISPOSAL FACILITY
Description:	NOV issued to address violations noted during inspection performed 10 May 2002.
Program:	NON15
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	0
Initial Assessed Amount:	0
Liability $ Amount:	0
Project $ Amount:	0
Liability $ Paid:	0
Project $ Completed:	0
Total $ Paid/Completed Amount:	0

MUSLO FAMILY OLIVE CO (Continued) **S101175594**

HAZNET:

Year:	2011
Gepaid:	CAL000144419
Contact:	BENJAMIN HALL
Telephone:	2098364600
Mailing Name:	Not reported
Mailing Address:	17950 VIA NICOLO
Mailing City,St,Zip:	TRACY, CA 953770000
Gen County:	Not reported
TSD EPA ID:	WIR000029751
TSD County:	Not reported
Waste Category:	Unspecified oil-containing waste
Disposal Method:	Not reported
Tons:	1.2
Facility County:	San Joaquin

Year:	2011
Gepaid:	CAL000144419
Contact:	BENJAMIN HALL
Telephone:	2098364600
Mailing Name:	Not reported
Mailing Address:	17950 VIA NICOLO
Mailing City,St,Zip:	TRACY, CA 953770000
Gen County:	Not reported
TSD EPA ID:	CAD980884183
TSD County:	Not reported
Waste Category:	Liquids with mercury >= 20 Mg./L
Disposal Method:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.0075
Facility County:	San Joaquin

Year:	2011
Gepaid:	CAL000144419
Contact:	BENJAMIN HALL
Telephone:	2098364600
Mailing Name:	Not reported
Mailing Address:	17950 VIA NICOLO
Mailing City,St,Zip:	TRACY, CA 953770000
Gen County:	Not reported
TSD EPA ID:	CAD980884183
TSD County:	Not reported
Waste Category:	Other inorganic solid waste
Disposal Method:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.055
Facility County:	San Joaquin

Year:	2011
Gepaid:	CAL000144419
Contact:	BENJAMIN HALL
Telephone:	2098364600
Mailing Name:	Not reported
Mailing Address:	17950 VIA NICOLO
Mailing City,St,Zip:	TRACY, CA 953770000
Gen County:	Not reported
TSD EPA ID:	CAD980884183

MUSLO FAMILY OLIVE CO (Continued) **S101175594**

TSD County: Not reported
Waste Category: Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)
Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.0396
Facility County: San Joaquin

Year: 2011
Gepaid: CAL000144419
Contact: BENJAMIN HALL
Telephone: 2098364600
Mailing Name: Not reported
Mailing Address: 17950 VIA NICOLO
Mailing City,St,Zip: TRACY, CA 953770000
Gen County: Not reported
TSD EPA ID: CAD980884183
TSD County: Not reported
Waste Category: Hydrocarbon solvents (benzene, hexane, Stoddard, Etc.)
Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.02085
Facility County: San Joaquin

Click this hyperlink while viewing on your computer to access
30 additional CA_HAZNET: record(s) in the EDR Site Report.

CA WDS:
Facility ID: Sacramento-San Joaquin Delta 392059001
Facility Type: Industrial - Facility that treats and/or disposes of liquid or semisolid wastes from any servicing, producing, manufacturing or processing operation of whatever nature, including mining, gravel washing, geothermal operations, air conditioning, ship building and repairing, oil production, storage and disposal operations, water pumping.
Facility Status: Active - Any facility with a continuous or seasonal discharge that is under Waste Discharge Requirements.
NPDES Number: Not reported
Subregion: 0
Facility Telephone: 2098364600
Facility Contact: BEN HALL
Agency Name: MUSCO FAMILY OLIVE COMPANY
Agency Address: 17950 VIA NICOLO
Agency City,St,Zip: TRACY 95376
Agency Contact: NICK MUSCO
Agency Telephone: 2098364600
Agency Type: Private
SIC Code: 2035
SIC Code 2: Not reported
Primary Waste: Process Waste (Waste produced as part of the industrial/manufacturing process)
Primary Waste Type: Designated/Influent or Solid Wastes that pose a significant threat to water quality because of their high concentrations (E.G., BOD, Hardness, TRF, Chloride). 'Manageable' hazardous wastes (E.G., inorganic salts and heavy metals) are included in this category.
Secondary Waste: Washwater Waste (Product washwater wastes: E.G., photo reuse wastewater, vegetable washwater)
Secondary Waste Type: Designated/Influent or Solid Wastes that pose a significant threat to

MUSLO FAMILY OLIVE CO (Continued) **S101175594**

	water quality because of their high concentrations (E.G., BOD, Hardness, TRF, Chloride). 'Manageable' hazardous wastes (E.G., inorganic salts and heavy metals) are included in this category.
Design Flow:	0
Baseline Flow:	0
Reclamation:	No reclamation requirements associated with this facility.
POTW:	The POTW Does not have an approved pretreatment program. Some POTWs may have local pretreatment programs that have not been approved by the regional board and/or EPA.
Treat To Water:	Moderate Threat to Water Quality. A violation could have a major adverse impact on receiving biota, can cause aesthetic impairment to a significant human population, or render unusable a potential domestic or municipal water supply. Awsthetic impairment would include nuisance from a waste treatment facility.
Complexity:	Category B - Any facility having a physical, chemical, or biological waste treatment system (except for septic systems with subsurface disposal), or any Class II or III disposal site, or facilities without treatment systems that are complex, such as marinas with petroleum products, solid wastes, and sewage pump out facilities.
Facility ID:	5S 39I017003
Facility Type:	Industrial - Facility that treats and/or disposes of liquid or semisolid wastes from any servicing, producing, manufacturing or processing operation of whatever nature, including mining, gravel washing, geothermal operations, air conditioning, ship building and repairing, oil production, storage and disposal operations, water pumping.
Facility Status:	Active - Any facility with a continuous or seasonal discharge that is under Waste Discharge Requirements.
NPDES Number:	CAS000001 The 1st 2 characters designate the state. The remaining 7 are assigned by the Regional Board
Subregion:	0
Facility Telephone:	2098364600
Facility Contact:	BENJAMIN HALL
Agency Name:	MUSLO FAMILY OLIVE CO
Agency Address:	17950 Via Nicolo
Agency City,St,Zip:	Tracy 953779767
Agency Contact:	BENJAMIN HALL
Agency Telephone:	2098364600
Agency Type:	Private
SIC Code:	0
SIC Code 2:	Not reported
Primary Waste:	Not reported
Primary Waste Type:	Not reported
Secondary Waste:	Not reported
Secondary Waste Type:	Not reported
Design Flow:	0
Baseline Flow:	0
Reclamation:	Not reported
POTW:	Not reported
Treat To Water:	Minor Threat to Water Quality. A violation of a regional board order should cause a relatively minor impairment of beneficial uses compared to a major or minor threat. Not: All nurds without a TTWQ will be considered a minor threat to water quality unless coded at a higher Level. A Zero (0) may be used to code those NURDS that are found to represent no threat to water quality.
Complexity:	Category C - Facilities having no waste treatment systems, such as

MUSLO FAMILY OLIVE CO (Continued) **S101175594**

cooling water dischargers or thosewho must comply through best management practices, facilities with passive waste treatment and disposal systems, such as septic systems with subsurface disposal, or dischargers having waste storage systems with land disposal such as dairy waste ponds.

U104 **MUSCO OLIVE PRODUCTS** **CA FID UST** **S101593297**
SSW **7950 VIA NICOLO** **SWEEPS UST** **N/A**
> 1 **TRACY, CA 95376**
1.513 mi.
7989 ft. **Site 2 of 3 in cluster U**

Relative:
Higher

Actual:
299 ft.

CA FID UST:

Facility ID:	39003686
Regulated By:	UTNKI
Regulated ID:	Not reported
Cortese Code:	Not reported
SIC Code:	Not reported
Facility Phone:	Not reported
Mail To:	Not reported
Mailing Address:	7950 VIA NICOLO
Mailing Address 2:	Not reported
Mailing City,St,Zip:	TRACY 95376
Contact:	Not reported
Contact Phone:	Not reported
DUNs Number:	Not reported
NPDES Number:	Not reported
EPA ID:	Not reported
Comments:	Not reported
Status:	Inactive

SWEEPS UST:

Status:	Not reported
Comp Number:	2203
Number:	Not reported
Board Of Equalization:	Not reported
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Tank Status:	Not reported
Owner Tank Id:	Not reported
Swrcb Tank Id:	Not reported
Actv Date:	Not reported
Capacity:	Not reported
Tank Use:	Not reported
Stg:	Not reported
Content:	Not reported
Number Of Tanks:	0

U105 **MUSCO OLIVE PRODUCTS** **HAZNET** **S104579235**
SSW **17950 VIA NICOLO** **EMI** **N/A**
> 1 **TRACY, CA 95376**
1.513 mi.
7989 ft. **Site 3 of 3 in cluster U**

Relative:
Higher

Actual:
299 ft.

HAZNET:

Year:	2002
Gepaid:	CAL000144419
Contact:	BENJAMIN HALL
Telephone:	2098364600
Mailing Name:	Not reported
Mailing Address:	17950 VIA NICOLO
Mailing City,St,Zip:	TRACY, CA 953770000
Gen County:	San Joaquin
TSD EPA ID:	Not reported
TSD County:	Alameda
Waste Category:	Waste oil and mixed oil
Disposal Method:	Recycler
Tons:	7.23
Facility County:	Not reported

Year:	2002
Gepaid:	CAL000144419
Contact:	BENJAMIN HALL
Telephone:	2098364600
Mailing Name:	Not reported
Mailing Address:	17950 VIA NICOLO
Mailing City,St,Zip:	TRACY, CA 953770000
Gen County:	San Joaquin
TSD EPA ID:	Not reported
TSD County:	Kings
Waste Category:	Unspecified oil-containing waste
Disposal Method:	Disposal, Land Fill
Tons:	1.15
Facility County:	Not reported

Year:	2001
Gepaid:	CAL000144419
Contact:	BENJAMIN HALL
Telephone:	2098364600
Mailing Name:	Not reported
Mailing Address:	17950 VIA NICOLO
Mailing City,St,Zip:	TRACY, CA 953770000
Gen County:	San Joaquin
TSD EPA ID:	Not reported
TSD County:	Santa Clara
Waste Category:	Waste oil and mixed oil
Disposal Method:	Transfer Station
Tons:	50.97
Facility County:	Not reported

Year:	2001
Gepaid:	CAL000144419
Contact:	BENJAMIN HALL
Telephone:	2098364600
Mailing Name:	Not reported
Mailing Address:	17950 VIA NICOLO
Mailing City,St,Zip:	TRACY, CA 953770000

MUSCO OLIVE PRODUCTS (Continued) **S104579235**

Gen County: San Joaquin
TSD EPA ID: Not reported
TSD County: Stanislaus
Waste Category: Liquids with halogenated organic compounds >= 1,000 Mg./L
Disposal Method: Transfer Station
Tons: 0.34
Facility County: Not reported

Year: 2001
Gepaid: CAL000144419
Contact: BENJAMIN HALL
Telephone: 2098364600
Mailing Name: Not reported
Mailing Address: 17950 VIA NICOLO
Mailing City,St,Zip: TRACY, CA 953770000
Gen County: San Joaquin
TSD EPA ID: Not reported
TSD County: Sacramento
Waste Category: Aqueous solution with total organic residues less than 10 percent
Disposal Method: Transfer Station
Tons: 0.42
Facility County: Not reported

Click this hyperlink while viewing on your computer to access
4 additional CA_HAZNET: record(s) in the EDR Site Report.

EMI:

Year: 2005
County Code: 39
Air Basin: SJV
Facility ID: 1145
Air District Name: SJU
SIC Code: 723
Air District Name: SAN JOAQUIN VALLEY UNIFIED APCD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: .2538967340379909995
Reactive Organic Gases Tons/Yr: .1071952011108398
Carbon Monoxide Emissions Tons/Yr: 1.339940013885498
NOX - Oxides of Nitrogen Tons/Yr: 5.359760055542
SOX - Oxides of Sulphur Tons/Yr: .0229704002380372
Particulate Matter Tons/Yr: .1148520011901856
Part. Matter 10 Micrometers & Smllr Tons/Yr: .1148520011901856

Year: 2006
County Code: 39
Air Basin: SJV
Facility ID: 1145
Air District Name: SJU
SIC Code: 723
Air District Name: SAN JOAQUIN VALLEY UNIFIED APCD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 2.718504560043820468
Reactive Organic Gases Tons/Yr: 1.7668
Carbon Monoxide Emissions Tons/Yr: .07676
NOX - Oxides of Nitrogen Tons/Yr: .57779

MUSCO OLIVE PRODUCTS (Continued) **S104579235**

SOX - Oxides of Sulphur Tons/Yr:	.09481
Particulate Matter Tons/Yr:	.2869
Part. Matter 10 Micrometers & Smllr Tons/Yr:	.2869
Year:	2007
County Code:	39
Air Basin:	SJV
Facility ID:	1145
Air District Name:	SJU
SIC Code:	723
Air District Name:	SAN JOAQUIN VALLEY UNIFIED APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	2.718504560043820468
Reactive Organic Gases Tons/Yr:	1.7668
Carbon Monoxide Emissions Tons/Yr:	.07676
NOX - Oxides of Nitrogen Tons/Yr:	.57779
SOX - Oxides of Sulphur Tons/Yr:	.09481
Particulate Matter Tons/Yr:	.2869
Part. Matter 10 Micrometers & Smllr Tons/Yr:	.2869
Year:	2007
County Code:	39
Air Basin:	SJV
Facility ID:	1145
Air District Name:	SJU
SIC Code:	723
Air District Name:	SAN JOAQUIN VALLEY UNIFIED APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	2.772731109514845297
Reactive Organic Gases Tons/Yr:	1.7916449959945682
Carbon Monoxide Emissions Tons/Yr:	.0854459984588623
NOX - Oxides of Nitrogen Tons/Yr:	.339457493877411
SOX - Oxides of Sulphur Tons/Yr:	.1205549978256226
Particulate Matter Tons/Yr:	.32147999420166
Part. Matter 10 Micrometers & Smllr Tons/Yr:	.32147999420166

106
ESE
> 1
1.514 mi.
7995 ft.

THERMAL ENERGY DEVELOPMENT COR **EMI** **S105940079**
14800 W. SCHULTE ROAD **N/A**
TRACY, CA

Relative:
Lower

Actual:
134 ft.

EMI:

Year:	1990
County Code:	39
Air Basin:	SJV
Facility ID:	250
Air District Name:	SJU
SIC Code:	4911
Air District Name:	SAN JOAQUIN VALLEY UNIFIED APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	24
Reactive Organic Gases Tons/Yr:	16
Carbon Monoxide Emissions Tons/Yr:	111
NOX - Oxides of Nitrogen Tons/Yr:	55

THERMAL ENERGY DEVELOPMENT COR (Continued) **S105940079**

SOX - Oxides of Sulphur Tons/Yr:	29
Particulate Matter Tons/Yr:	24
Part. Matter 10 Micrometers & Smllr Tons/Yr:	20
Year:	1995
County Code:	39
Air Basin:	SJV
Facility ID:	1026
Air District Name:	SJU
SIC Code:	4911
Air District Name:	SAN JOAQUIN VALLEY UNIFIED APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	1
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	136
NOX - Oxides of Nitrogen Tons/Yr:	71
SOX - Oxides of Sulphur Tons/Yr:	14
Particulate Matter Tons/Yr:	40
Part. Matter 10 Micrometers & Smllr Tons/Yr:	32
Year:	2007
County Code:	39
Air Basin:	SJV
Facility ID:	21283
Air District Name:	SJU
SIC Code:	4911
Air District Name:	SAN JOAQUIN VALLEY UNIFIED APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

107
SW
> 1
1.522 mi.
8038 ft.

ANNIE FABIAN **UIC** **S111646992**
N/A

SAN JOAQUIN (County), CA

Relative:
Higher

Actual:
347 ft.

UIC:

API Number:	07700338
Confidential Well:	N
Well Number:	1
Lease Name:	Daisy
Well Located On A BLW Lease:	N
Field Name:	Any Field
Area Name:	Any Area
Section:	33
Township:	02S
Range:	04E
Base And Meridian; Part Of The PLSS:	MD
Elevation:	Not reported
Location Desc:	Not reported

ANNIE FABIAN (Continued) **S111646992**

Latitude: 37.71705
Longitude: -121.5413
GIS Source Code: hud
Comments: Status Code 006

V108 **OWENS-BROCKWAY GLASS CONTAINER** **EMI** **S105938927**
ESE **14700 W SCHULTE ROAD** **N/A**
> 1 **TRACY, CA 93257**
1.544 mi.
8154 ft. **Site 1 of 4 in cluster V**

Relative:
Lower

Actual:
132 ft.

EMI:

Year:	1996
County Code:	39
Air Basin:	SJV
Facility ID:	593
Air District Name:	SJU
SIC Code:	3221
Air District Name:	SAN JOAQUIN VALLEY UNIFIED APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	3
Reactive Organic Gases Tons/Yr:	2
Carbon Monoxide Emissions Tons/Yr:	34
NOX - Oxides of Nitrogen Tons/Yr:	569
SOX - Oxides of Sulphur Tons/Yr:	285
Particulate Matter Tons/Yr:	95
Part. Matter 10 Micrometers & Smllr Tons/Yr:	91

Year:	1997
County Code:	39
Air Basin:	SJV
Facility ID:	593
Air District Name:	SJU
SIC Code:	3221
Air District Name:	SAN JOAQUIN VALLEY UNIFIED APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	3
Reactive Organic Gases Tons/Yr:	2
Carbon Monoxide Emissions Tons/Yr:	32
NOX - Oxides of Nitrogen Tons/Yr:	542
SOX - Oxides of Sulphur Tons/Yr:	272
Particulate Matter Tons/Yr:	91
Part. Matter 10 Micrometers & Smllr Tons/Yr:	87

Year:	1998
County Code:	39
Air Basin:	SJV
Facility ID:	593
Air District Name:	SJU
SIC Code:	3221
Air District Name:	SAN JOAQUIN VALLEY UNIFIED APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	3
Reactive Organic Gases Tons/Yr:	2
Carbon Monoxide Emissions Tons/Yr:	43

OWENS-BROCKWAY GLASS CONTAINER (Continued) **S105938927**

NOX - Oxides of Nitrogen Tons/Yr:	565
SOX - Oxides of Sulphur Tons/Yr:	218
Particulate Matter Tons/Yr:	90
Part. Matter 10 Micrometers & Smllr Tons/Yr:	61
Year:	1999
County Code:	39
Air Basin:	SJV
Facility ID:	593
Air District Name:	SJU
SIC Code:	3221
Air District Name:	SAN JOAQUIN VALLEY UNIFIED APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	29
Reactive Organic Gases Tons/Yr:	20
Carbon Monoxide Emissions Tons/Yr:	4
NOX - Oxides of Nitrogen Tons/Yr:	702
SOX - Oxides of Sulphur Tons/Yr:	248
Particulate Matter Tons/Yr:	94
Part. Matter 10 Micrometers & Smllr Tons/Yr:	63
Year:	2000
County Code:	39
Air Basin:	SJV
Facility ID:	593
Air District Name:	SJU
SIC Code:	3221
Air District Name:	SAN JOAQUIN VALLEY UNIFIED APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	27
Reactive Organic Gases Tons/Yr:	19
Carbon Monoxide Emissions Tons/Yr:	6
NOX - Oxides of Nitrogen Tons/Yr:	430
SOX - Oxides of Sulphur Tons/Yr:	239
Particulate Matter Tons/Yr:	86
Part. Matter 10 Micrometers & Smllr Tons/Yr:	81
Year:	2001
County Code:	39
Air Basin:	SJV
Facility ID:	593
Air District Name:	SJU
SIC Code:	3221
Air District Name:	SAN JOAQUIN VALLEY UNIFIED APCD
Community Health Air Pollution Info System:	Y
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	29
Reactive Organic Gases Tons/Yr:	13
Carbon Monoxide Emissions Tons/Yr:	5
NOX - Oxides of Nitrogen Tons/Yr:	470
SOX - Oxides of Sulphur Tons/Yr:	291
Particulate Matter Tons/Yr:	91
Part. Matter 10 Micrometers & Smllr Tons/Yr:	56
Year:	2002

OWENS-BROCKWAY GLASS CONTAINER (Continued) **S105938927**

County Code:	39
Air Basin:	SJV
Facility ID:	593
Air District Name:	SJU
SIC Code:	3221
Air District Name:	SAN JOAQUIN VALLEY UNIFIED APCD
Community Health Air Pollution Info System:	Y
Consolidated Emission Reporting Rule:	B
Total Organic Hydrocarbon Gases Tons/Yr:	146
Reactive Organic Gases Tons/Yr:	102
Carbon Monoxide Emissions Tons/Yr:	5
NOX - Oxides of Nitrogen Tons/Yr:	571
SOX - Oxides of Sulphur Tons/Yr:	240
Particulate Matter Tons/Yr:	94
Part. Matter 10 Micrometers & Smllr Tons/Yr:	86

Year:	2003
County Code:	39
Air Basin:	SJV
Facility ID:	593
Air District Name:	SJU
SIC Code:	3221
Air District Name:	SAN JOAQUIN VALLEY UNIFIED APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	140
Reactive Organic Gases Tons/Yr:	98
Carbon Monoxide Emissions Tons/Yr:	4
NOX - Oxides of Nitrogen Tons/Yr:	543
SOX - Oxides of Sulphur Tons/Yr:	233
Particulate Matter Tons/Yr:	94
Part. Matter 10 Micrometers & Smllr Tons/Yr:	85

Year:	2004
County Code:	39
Air Basin:	SJV
Facility ID:	593
Air District Name:	SJU
SIC Code:	3221
Air District Name:	SAN JOAQUIN VALLEY UNIFIED APCD
Community Health Air Pollution Info System:	Y
Consolidated Emission Reporting Rule:	B
Total Organic Hydrocarbon Gases Tons/Yr:	0.81969281
Reactive Organic Gases Tons/Yr:	0.350844993
Carbon Monoxide Emissions Tons/Yr:	0.047653001
NOX - Oxides of Nitrogen Tons/Yr:	422.1821077
SOX - Oxides of Sulphur Tons/Yr:	248.1710884
Particulate Matter Tons/Yr:	55.08526047
Part. Matter 10 Micrometers & Smllr Tons/Yr:	48.65624072

Year:	2005
County Code:	39
Air Basin:	SJV
Facility ID:	593
Air District Name:	SJU
SIC Code:	3221
Air District Name:	SAN JOAQUIN VALLEY UNIFIED APCD

OWENS-BROCKWAY GLASS CONTAINER (Continued) **S105938927**

Community Health Air Pollution Info System:	Y
Consolidated Emission Reporting Rule:	B
Total Organic Hydrocarbon Gases Tons/Yr:	.8680395836133327758
Reactive Organic Gases Tons/Yr:	.37125700080990732
Carbon Monoxide Emissions Tons/Yr:	.0474925015211106
NOX - Oxides of Nitrogen Tons/Yr:	449.9169557251949156
SOX - Oxides of Sulphur Tons/Yr:	264.4792572141170329
Particulate Matter Tons/Yr:	111.1468527449595915
Part. Matter 10 Micrometers & Smllr Tons/Yr:	78.80679522663831147

Year:	2006
County Code:	39
Air Basin:	SJV
Facility ID:	593
Air District Name:	SJU
SIC Code:	3221
Air District Name:	SAN JOAQUIN VALLEY UNIFIED APCD
Community Health Air Pollution Info System:	Y
Consolidated Emission Reporting Rule:	B
Total Organic Hydrocarbon Gases Tons/Yr:	.8144701766223531453
Reactive Organic Gases Tons/Yr:	.34863999717831572
Carbon Monoxide Emissions Tons/Yr:	.0474925015211106
NOX - Oxides of Nitrogen Tons/Yr:	393.0808405454339156
SOX - Oxides of Sulphur Tons/Yr:	214.2501582367212272
Particulate Matter Tons/Yr:	34.49847131159439451
Part. Matter 10 Micrometers & Smllr Tons/Yr:	27.77986579822101908

Year:	2007
County Code:	39
Air Basin:	SJV
Facility ID:	593
Air District Name:	SJU
SIC Code:	3221
Air District Name:	SAN JOAQUIN VALLEY UNIFIED APCD
Community Health Air Pollution Info System:	Y
Consolidated Emission Reporting Rule:	B
Total Organic Hydrocarbon Gases Tons/Yr:	.8849440919768670262
Reactive Organic Gases Tons/Yr:	.3847550017535687
Carbon Monoxide Emissions Tons/Yr:	.090504999089241
NOX - Oxides of Nitrogen Tons/Yr:	359.179606696362084
SOX - Oxides of Sulphur Tons/Yr:	228.6310580164037727
Particulate Matter Tons/Yr:	33.58532643627701439
Part. Matter 10 Micrometers & Smllr Tons/Yr:	27.59345543562261358

Year:	2007
County Code:	39
Air Basin:	SJV
Facility ID:	593
Air District Name:	SJU
SIC Code:	3221
Air District Name:	SAN JOAQUIN VALLEY UNIFIED APCD
Community Health Air Pollution Info System:	Y
Consolidated Emission Reporting Rule:	B
Total Organic Hydrocarbon Gases Tons/Yr:	.8500123149829302835
Reactive Organic Gases Tons/Yr:	.360221395512967987
Carbon Monoxide Emissions Tons/Yr:	.035620799225233461
NOX - Oxides of Nitrogen Tons/Yr:	331.8175573091739937

OWENS-BROCKWAY GLASS CONTAINER (Continued) **S105938927**

SOX - Oxides of Sulphur Tons/Yr: 211.3780686470310262
Particulate Matter Tons/Yr: 31.59073914671705564
Part. Matter 10 Micrometers & Smllr Tons/Yr: 25.87517628745589714

V109 **OWENS-BROCKWAY GLASS CONTAINER** **RCRA-LQG** **1000319784**
ESE **14700 W. SCHULTE RD** **TRIS** **95376WNSLL14**
> 1 **TRACY, CA 95377** **FINDS**
1.544 mi. **HIST CORTESE**
8154 ft. **Site 2 of 4 in cluster V** **LUST**
SLIC
Relative: **HIST UST**
Lower **ENF**
WDS
Actual: **US AIRS**
132 ft.

RCRA-LQG:
Date form received by agency: 03/05/2012
Facility name: OWENS - BROCKWAY GLASS CONTAINER INC
Facility address: 14700 WEST SCHULTE RD
TRACY, CA 953778628
EPA ID: CAD009146929
Mailing address: WEST SCHULTE RD
TRACY, CA 953778628
Contact: LISA MENDOZA
Contact address: WEST SCHULTE RD
TRACY, CA 95377
Contact country: US
Contact telephone: (209) 836-8269
Contact email: LISA.MENDOZA@O-I.COM
EPA Region: Not reported
Land type: Private
Classification: Large Quantity Generator
Description: Handler: generates 1,000 kg or more of hazardous waste during any calendar month; or generates more than 1 kg of acutely hazardous waste during any calendar month; or generates more than 100 kg of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month; or generates 1 kg or less of acutely hazardous waste during any calendar month, and accumulates more than 1 kg of acutely hazardous waste at any time; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates more than 100 kg of that material at any time

Owner/Operator Summary:
Owner/operator name: OWENS - BROCKWAY GLASS CONTAINER INC
Owner/operator address: WEST SCHULTE RD
TRACY, CA 95377
Owner/operator country: Not reported
Owner/operator telephone: (209) 836-8200
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 01/15/1961
Owner/Op end date: Not reported

Owner/operator name: OWENS BROCKWAY GLASS CONTAINERS

OWENS-BROCKWAY GLASS CONTAINER (Continued) **1000319784**

Owner/operator address: Not reported
Not reported
Owner/operator country: US
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 01/15/1961
Owner/Op end date: Not reported

Owner/operator name: OWENS-ILLINOIS GLASS CONTAINERS
Owner/operator address: ONE SEAGATE PLAZA
TOLEDO, OH 43666
Owner/operator country: US
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 01/15/1961
Owner/Op end date: Not reported

Owner/operator name: OWENS BROCKWAY GLASS CONTAI
Owner/operator address: 1 SEGATE
TOLEDO, OH 43666
Owner/operator country: Not reported
Owner/operator telephone: (419) 247-5000
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: OWENS - BROCKWAY GLASS CONTAINER INC
Owner/operator address: MICHAEL OWENS WAY
PERRYSBURG, OH 43551
Owner/operator country: Not reported
Owner/operator telephone: (567) 336-5000
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 01/15/1961
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

OWENS-BROCKWAY GLASS CONTAINER (Continued) **1000319784**

Historical Generators:

Date form received by agency: 06/15/2010
Facility name: OWENS - BROCKWAY GLASS CONTAINER INC
Site name: OWENS-BROCKWAY GLASS CONTAINER
Classification: Large Quantity Generator

Date form received by agency: 02/29/2008
Facility name: OWENS - BROCKWAY GLASS CONTAINER INC
Site name: OWENS-BROCKWAY GLASS CONTAINER
Classification: Large Quantity Generator

Date form received by agency: 02/27/2006
Facility name: OWENS - BROCKWAY GLASS CONTAINER INC
Site name: OWNS-BROCKWAY GLASS CONTAINER
Classification: Small Quantity Generator

Date form received by agency: 02/27/2006
Facility name: OWENS - BROCKWAY GLASS CONTAINER INC
Site name: OWNS-BROCKWAY GLASS CONTAINER
Classification: Large Quantity Generator

Date form received by agency: 02/25/2004
Facility name: OWENS - BROCKWAY GLASS CONTAINER INC
Site name: OWENS-BROCKWAY GLASS CONTAINERS INC
Classification: Large Quantity Generator

Date form received by agency: 02/14/2002
Facility name: OWENS - BROCKWAY GLASS CONTAINER INC
Site name: OWENS-BROCKWAY GLASS CONTAINER INC
Classification: Large Quantity Generator

Date form received by agency: 02/11/1998
Facility name: OWENS - BROCKWAY GLASS CONTAINER INC
Site name: OWENS-ILLINOIS GLASS CONTAINER
Classification: Large Quantity Generator

Date form received by agency: 09/01/1996
Facility name: OWENS - BROCKWAY GLASS CONTAINER INC
Site name: OWENS-ILLINOIS GLASS CONTAINER
Classification: Large Quantity Generator

Date form received by agency: 03/30/1996
Facility name: OWENS - BROCKWAY GLASS CONTAINER INC
Site name: OWENS-ILLINOIS GLASS CONTAINER
Classification: Large Quantity Generator

Date form received by agency: 03/15/1994
Facility name: OWENS - BROCKWAY GLASS CONTAINER INC
Site name: OWENS ILLINOIS GLASS CONTAINER
Classification: Large Quantity Generator

Date form received by agency: 02/18/1992
Facility name: OWENS - BROCKWAY GLASS CONTAINER INC
Site name: OWENS-ILLINOIS GLASS CONTAINER
Classification: Large Quantity Generator

Date form received by agency: 04/12/1990

OWENS-BROCKWAY GLASS CONTAINER (Continued) **1000319784**

Facility name: OWENS - BROCKWAY GLASS CONTAINER INC
Site name: OWENS-ILLINOIS GLASS CONTAINER INC
Classification: Large Quantity Generator

Date form received by agency: 08/15/1980
Facility name: OWENS - BROCKWAY GLASS CONTAINER INC
Site name: OWENS-ILLINOIS GLASS CONTAINER
Classification: Large Quantity Generator

Hazardous Waste Summary:

Waste code: D001
Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Waste code: D002
Waste name: A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.

Waste code: D006
Waste name: CADMIUM

Waste code: D007
Waste name: CHROMIUM

Waste code: D008
Waste name: LEAD

Waste code: D010
Waste name: SELENIUM

Waste code: D035
Waste name: METHYL ETHYL KETONE

Waste code: F003
Waste name: THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NON-HALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS, AND, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Waste code: F005
Waste name: THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL

OWENS-BROCKWAY GLASS CONTAINER (Continued) **1000319784**

KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Waste code: D001
Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Waste code: D002
Waste name: A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.

Waste code: D007
Waste name: CHROMIUM

Waste code: D008
Waste name: LEAD

Biennial Reports:

Last Biennial Reporting Year: 2011

Annual Waste Handled:

Waste code: D001
Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.
Amount (Lbs): 1358

Waste code: D006
Waste name: CADMIUM
Amount (Lbs): 137908

Waste code: D007
Waste name: CHROMIUM
Amount (Lbs): 140708

Waste code: D008
Waste name: LEAD
Amount (Lbs): 137908

OWENS-BROCKWAY GLASS CONTAINER (Continued) **1000319784**

Waste code: D018
Waste name: BENZENE
Amount (Lbs): 1023

Waste code: D035
Waste name: METHYL ETHYL KETONE
Amount (Lbs): 335

Waste code: F005
Waste name: THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
Amount (Lbs): 335

Facility Has Received Notices of Violations:
Regulation violated: Not reported
Area of violation: Generators - General
Date violation determined: 01/08/2004
Date achieved compliance: 02/05/2004
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 01/08/2004
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - Records/Reporting
Date violation determined: 04/29/1993
Date achieved compliance: 08/20/1993
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 04/29/1993
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - General
Date violation determined: 04/29/1993
Date achieved compliance: 08/20/1993
Violation lead agency: State
Enforcement action: INITIAL 3008(A) COMPLIANCE
Enforcement action date: 07/23/1993
Enf. disposition status: Not reported
Enf. disp. status date: Not reported

OWENS-BROCKWAY GLASS CONTAINER (Continued) **1000319784**

Enforcement lead agency: State
Proposed penalty amount: 1600
Final penalty amount: 1600
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - Pre-transport
Date violation determined: 04/29/1993
Date achieved compliance: 08/20/1993
Violation lead agency: State
Enforcement action: INITIAL 3008(A) COMPLIANCE
Enforcement action date: 07/23/1993
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: 1600
Final penalty amount: 1600
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - Records/Reporting
Date violation determined: 04/29/1993
Date achieved compliance: 08/20/1993
Violation lead agency: State
Enforcement action: INITIAL 3008(A) COMPLIANCE
Enforcement action date: 07/23/1993
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: 1600
Final penalty amount: 1600
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - General
Date violation determined: 04/29/1993
Date achieved compliance: 08/20/1993
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 04/29/1993
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - Pre-transport
Date violation determined: 04/29/1993
Date achieved compliance: 08/20/1993
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 04/29/1993
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State

OWENS-BROCKWAY GLASS CONTAINER (Continued) **1000319784**

Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Evaluation Action Summary:
Evaluation date: 01/08/2004
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 02/05/2004
Evaluation lead agency: State Contractor/Grantee

Evaluation date: 03/18/1993
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 03/17/1993
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - Records/Reporting
Date achieved compliance: 08/20/1993
Evaluation lead agency: State

Evaluation date: 03/17/1993
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 08/20/1993
Evaluation lead agency: State

Evaluation date: 03/17/1993
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - Pre-transport
Date achieved compliance: 08/20/1993
Evaluation lead agency: State

TRIS:

Click this hyperlink while viewing on your computer to access
1 additional US_TRIS: record(s) in the EDR Site Report.

FINDS:

Registry ID: 110000485421

Environmental Interest/Information System
AFS (Aerometric Information Retrieval System (AIRS) Facility Subsystem) replaces the former Compliance Data System (CDS), the National Emission Data System (NEDS), and the Storage and Retrieval of Aerometric Data (SAROAD). AIRS is the national repository for information concerning airborne pollution in the United States. AFS is used to track emissions and compliance data from industrial plants. AFS data are utilized by states to prepare State Implementation Plans to comply with regulatory programs and by EPA as an input for the estimation of total national emissions. AFS is undergoing a major redesign to support facility operating permits required under Title V of the Clean Air Act.

The NEI (National Emissions Inventory) database contains information

OWENS-BROCKWAY GLASS CONTAINER (Continued) **1000319784**

on stationary and mobile sources that emit criteria air pollutants and their precursors, as well as hazardous air pollutants (HAPs).

California Hazardous Waste Tracking System - Datamart (HWTS-DATAMART) provides California with information on hazardous waste shipments for generators, transporters, and treatment, storage, and disposal facilities.

US EPA TRIS (Toxics Release Inventory System) contains information from facilities on the amounts of over 300 listed toxic chemicals that these facilities release directly to air, water, land, or that are transported off-site.

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

HAZARDOUS WASTE BIENNIAL REPORTER

CRITERIA AND HAZARDOUS AIR POLLUTANT INVENTORY

GREENHOUSE GAS REPORTER

ICIS (Integrated Compliance Information System) is the Integrated Compliance Information System and provides a database that, when complete, will contain integrated Enforcement and Compliance information across most of EPA's programs. The vision for ICIS is to replace EPA's independent databases that contain Enforcement data with a single repository for that information. Currently, ICIS contains all Federal Administrative and Judicial enforcement actions. This information is maintained in ICIS by EPA in the Regional offices and it Headquarters. A future release of ICIS will replace the Permit Compliance System (PCS) which supports the NPDES and will integrate that information with Federal actions already in the system. ICIS also has the capability to track other activities occurring in the Region that support Compliance and Enforcement programs. These include; Incident Tracking, Compliance Assistance, and Compliance Monitoring.

CORTESE:

Region:	CORTESE
Facility County Code:	39
Reg By:	LTNKA
Reg Id:	390822

LUST:

Region:	STATE
Global Id:	T0607700651
Latitude:	37.7200741
Longitude:	-121.4786183
Case Type:	LUST Cleanup Site
Status:	Completed - Case Closed
Status Date:	06/17/2002

OWENS-BROCKWAY GLASS CONTAINER (Continued) **1000319784**

Lead Agency:	SAN JOAQUIN COUNTY LOP
Case Worker:	ML
Local Agency:	SAN JOAQUIN COUNTY LOP
RB Case Number:	390822
LOC Case Number:	0000849
File Location:	Not reported
Potential Media Affect:	Under Investigation
Potential Contaminants of Concern:	Gasoline
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

LUST:

Global Id:	T0607700651
Contact Type:	Local Agency Caseworker
Contact Name:	MARGARET LAGORIO
Organization Name:	SAN JOAQUIN COUNTY LOP
Address:	600 E. MAIN
City:	STOCKTON
Email:	mlagorio@sjcehd.com
Phone Number:	Not reported

Global Id:	T0607700651
Contact Type:	Regional Board Caseworker
Contact Name:	JAMES BARTON
Organization Name:	CENTRAL VALLEY RWQCB (REGION 5S)
Address:	11020 SUN CENTER DRIVE #200
City:	RANCHO CORDOVA
Email:	jbarton@waterboards.ca.gov
Phone Number:	Not reported

LUST:

Global Id:	T0607700651
Action Type:	ENFORCEMENT
Date:	06/03/2002
Action:	Closure/No Further Action Letter

Global Id:	T0607700651
Action Type:	Other
Date:	01/01/1950
Action:	Leak Discovery

Global Id:	T0607700651
Action Type:	Other
Date:	01/01/1950
Action:	Leak Reported

LUST REG 5:

Region:	5
Status:	Case Closed
Case Number:	390822
Case Type:	Undefined
Substance:	GASOLINE
Staff Initials:	JLB
Lead Agency:	Local
Program:	LUST

OWENS-BROCKWAY GLASS CONTAINER (Continued) **1000319784**

MTBE Code: N/A

SLIC:

Region:	STATE
Facility Status:	**Open - Inactive**
Status Date:	10/05/2002
Global Id:	SL0607719504
Lead Agency:	CENTRAL VALLEY RWQCB (REGION 5S)
Lead Agency Case Number:	Not reported
Latitude:	37.721622
Longitude:	-121.48892
Case Type:	Cleanup Program Site
Case Worker:	ZZZ
Local Agency:	Not reported
RB Case Number:	Not reported
File Location:	Not reported
Potential Media Affected:	Under Investigation
Potential Contaminants of Concern:	Not reported
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

HIST UST:

Region:	STATE
Facility ID:	00000002264
Facility Type:	Other
Other Type:	GLASS MANUFACTURING
Total Tanks:	0003
Contact Name:	ERNEST F. VALIS
Telephone:	2098355701
Owner Name:	OI GLASS CONTAINER STS INC
Owner Address:	14700 W. SCHULTE ROAD
Owner City,St,Zip:	TRACY, CA 95376

Tank Num:	001
Container Num:	2
Year Installed:	1977
Tank Capacity:	00042000
Tank Used for:	WASTE
Type of Fuel:	Not reported
Tank Construction:	6 inches
Leak Detection:	Visual

Tank Num:	002
Container Num:	1
Year Installed:	1960
Tank Capacity:	00027300
Tank Used for:	WASTE
Type of Fuel:	Not reported
Tank Construction:	6 inches
Leak Detection:	Visual

Tank Num:	003
Container Num:	3
Year Installed:	1977
Tank Capacity:	00003150

OWENS-BROCKWAY GLASS CONTAINER (Continued) **1000319784**

Tank Used for: WASTE
Type of Fuel: WASTE OIL
Tank Construction: 6 inches
Leak Detection: Visual

ENF:

Region:	5S
Facility Id:	246365
Agency Name:	Owens-Brockway
Place Type:	Manufacturing
Place Subtype:	Manufacturing NEC
Facility Type:	Industrial
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	37.7209
Place Longitude:	-121.49205
SIC Code 1:	3221
SIC Desc 1:	Glass Containers
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	3.79999999
Threat To Water Quality:	2
Complexity:	B
Pretreatment:	N - POTW does not have EPA approved pretreatment prog.
Facility Waste Type:	Not reported
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	NON15
# Of Programs:	1
WDID:	5B392023001
Reg Measure Id:	147727
Reg Measure Type:	WDR
Region:	5S
Order #:	5-00-056
Npdes# CA#:	Not reported
Major-Minor:	Not reported
Npdes Type:	Not reported
Reclamation:	N - No
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	Not reported
Status:	Active
Status Date:	08/19/2010
Effective Date:	03/17/2000
Expiration/Review Date:	03/17/2010
Termination Date:	Not reported

OWENS-BROCKWAY GLASS CONTAINER (Continued) **1000319784**

WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	N
Individual/General:	I
Fee Code:	58 - Non15 Based on (TTWQ)/CPLX)
Direction/Voice:	Passive
Enforcement Id(EID):	242114
Region:	5S
Order / Resolution Number:	Not reported
Enforcement Action Type:	Notice of Violation
Effective Date:	08/19/2003
Adoption/Issuance Date:	08/19/2003
Achieve Date:	Not reported
Termination Date:	08/19/2003
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	NOV 07/03/2001 for OWENS-BROCKWAY, OWENS-ILLINOIS GLASS FURNACE
Description:	NOV issued for low freeboard readings and high SC readings.
Program:	NON15
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	0
Initial Assessed Amount:	0
Liability $ Amount:	0
Project $ Amount:	0
Liability $ Paid:	0
Project $ Completed:	0
Total $ Paid/Completed Amount:	0

Region:	5S
Facility Id:	246365
Agency Name:	Owens-Brockway
Place Type:	Manufacturing
Place Subtype:	Manufacturing NEC
Facility Type:	Industrial
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	37.7209
Place Longitude:	-121.49205
SIC Code 1:	3221
SIC Desc 1:	Glass Containers
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1

OWENS-BROCKWAY GLASS CONTAINER (Continued) **1000319784**

Source Of Facility:	Reg Meas
Design Flow:	3.79999999
Threat To Water Quality:	2
Complexity:	B
Pretreatment:	N - POTW does not have EPA approved pretreatment prog.
Facility Waste Type:	Not reported
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	NON15
# Of Programs:	1
WDID:	5B392023001
Reg Measure Id:	147727
Reg Measure Type:	WDR
Region:	5S
Order #:	5-00-056
Npdes# CA#:	Not reported
Major-Minor:	Not reported
Npdes Type:	Not reported
Reclamation:	N - No
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	Not reported
Status:	Active
Status Date:	08/19/2010
Effective Date:	03/17/2000
Expiration/Review Date:	03/17/2010
Termination Date:	Not reported
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	N
Individual/General:	I
Fee Code:	58 - Non15 Based on (TTWQ)/CPLX)
Direction/Voice:	Passive
Enforcement Id(EID):	380498
Region:	5S
Order / Resolution Number:	Not reported
Enforcement Action Type:	Notice of Violation
Effective Date:	06/15/2011
Adoption/Issuance Date:	06/15/2011
Achieve Date:	Not reported
Termination Date:	06/15/2011
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	NOV 06/15/2011 for Owens-Brockway
Description:	During recent inspection staff instructed that Owens Brockway staff samples process wastewater for specific conductivity prior to discharging the water into the wastewater ponds. In addition to that, only one of two nested wells has been sampled on a quarterly basis which is in violation of MRP
Program:	NON15
Latest Milestone Completion Date:	Not reported

OWENS-BROCKWAY GLASS CONTAINER (Continued) **1000319784**

# Of Programs1:	1
Total Assessment Amount:	0
Initial Assessed Amount:	0
Liability $ Amount:	0
Project $ Amount:	0
Liability $ Paid:	0
Project $ Completed:	0
Total $ Paid/Completed Amount:	0
Region:	5S
Facility Id:	246365
Agency Name:	Owens-Brockway
Place Type:	Manufacturing
Place Subtype:	Manufacturing NEC
Facility Type:	Industrial
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	37.7209
Place Longitude:	-121.49205
SIC Code 1:	3221
SIC Desc 1:	Glass Containers
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	3.79999999
Threat To Water Quality:	2
Complexity:	B
Pretreatment:	N - POTW does not have EPA approved pretreatment prog.
Facility Waste Type:	Not reported
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	NON15
# Of Programs:	1
WDID:	5B392023001
Reg Measure Id:	147727
Reg Measure Type:	WDR
Region:	5S
Order #:	5-00-056
Npdes# CA#:	Not reported
Major-Minor:	Not reported
Npdes Type:	Not reported
Reclamation:	N - No
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	Not reported
Status:	Active
Status Date:	08/19/2010

OWENS-BROCKWAY GLASS CONTAINER (Continued) **1000319784**

Effective Date:	03/17/2000
Expiration/Review Date:	03/17/2010
Termination Date:	Not reported
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	N
Individual/General:	I
Fee Code:	58 - Non15 Based on (TTWQ)/CPLX)
Direction/Voice:	Passive
Enforcement Id(EID):	331171
Region:	5S
Order / Resolution Number:	Not reported
Enforcement Action Type:	Notice of Violation
Effective Date:	08/23/2007
Adoption/Issuance Date:	Not reported
Achieve Date:	Not reported
Termination Date:	08/23/2007
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	NOV 08/23/2007 for Owens-Brockway, Owens-Illinois Glass Furnace
Description:	NOV sent for late monitoring reports, failure to submit some wastewater monitoring data for domestic and process wastewater, and violations of E.C. and GW limits.
Program:	NON15
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	0
Initial Assessed Amount:	0
Liability $ Amount:	0
Project $ Amount:	0
Liability $ Paid:	0
Project $ Completed:	0
Total $ Paid/Completed Amount:	0

CA WDS:

Facility ID:	Sacramento-San Joaquin Delta 392023001
Facility Type:	Industrial - Facility that treats and/or disposes of liquid or semisolid wastes from any servicing, producing, manufacturing or processing operation of whatever nature, including mining, gravel washing, geothermal operations, air conditioning, ship building and repairing, oil production, storage and disposal operations, water pumping.
Facility Status:	Active - Any facility with a continuous or seasonal discharge that is under Waste Discharge Requirements.
NPDES Number:	Not reported
Subregion:	0
Facility Telephone:	2098355701
Facility Contact:	JIM HAMRICK
Agency Name:	OWENS-BROCKWAY
Agency Address:	6150 STONERIDGE MALL STE.375
Agency City,St,Zip:	PLEASANTON 94588
Agency Contact:	ROBERT NEAL

OWENS-BROCKWAY GLASS CONTAINER (Continued) **1000319784**

Agency Telephone:	4154637950
Agency Type:	Private
SIC Code:	3221
SIC Code 2:	Not reported
Primary Waste:	Not reported
Primary Waste Type:	Not reported
Secondary Waste:	Not reported
Secondary Waste Type:	Not reported
Design Flow:	0
Baseline Flow:	0
Reclamation:	No reclamation requirements associated with this facility.
POTW:	The POTW Does not have an approved pretreatment program. Some POTWs may have local pretreatment programs that have not been approved by the regional board and/or EPA.
Treat To Water:	Moderate Threat to Water Quality. A violation could have a major adverse impact on receiving biota, can cause aesthetic impairment to a significant human population, or render unusable a potential domestic or municipal water supply. Awsthetic impairment would include nuisance from a waste treatment facility.
Complexity:	Category B - Any facility having a physical, chemical, or biological waste treatment system (except for septic systems with subsurface disposal), or any Class II or III disposal site, or facilities without treatment systems that are complex, such as marinas with petroleum products, solid wastes, and sewage pump out facilities.

AIRS (AFS):

Compliance and Violation Data Major Sources:

EPA plant ID:	110002798768
Plant name:	OWENS BROCKWAY GLASS
Plant address:	14700 W SCHULTE RD TRACY, CA 95376
County:	SAN JOAQUIN
Region code:	09
Dunn & Bradst #:	009146929
Air quality cntrl region:	031
Sic code:	3221
Sic code desc:	GLASS CONTAINERS
North Am. industrial classf:	327213
NAIC code description:	Glass Container Manufacturing
Default compliance status:	IN COMPLIANCE - INSPECTION
Default classification:	ACTUAL OR POTENTIAL EMISSIONS ARE ABOVE THE APPLICABLE MAJOR SOURCE THRESHOLDS
Govt facility:	ALL OTHER FACILITIES NOT OWNED OR OPERATED BY A FEDERAL, STATE, OR LOCAL GOVERNMENT
Current HPV:	Not reported

Compliance and Enforcement Major Issues:

Air program:	SIP SOURCE
National action type:	MULTI MEDIA INSPECTION - LEVEL 2 OR GREATER
Date achieved:	000308
Penalty amount:	000000000
Air program:	PSD
National action type:	MULTI MEDIA INSPECTION - LEVEL 2 OR GREATER
Date achieved:	000308

OWENS-BROCKWAY GLASS CONTAINER (Continued) **1000319784**

Penalty amount: 000000000

Air program: NSR
National action type: MULTI MEDIA INSPECTION - LEVEL 2 OR GREATER
Date achieved: 000308
Penalty amount: 000000000

Air program: TITLE V PERMITS
National action type: MULTI MEDIA INSPECTION - LEVEL 2 OR GREATER
Date achieved: 000308
Penalty amount: 000000000

Air program: TITLE V PERMITS
National action type: TITLE V COMPLIANCE CERT DUE/RECEIVED BY
Date achieved: 000906
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: STATE DAY 0
Date achieved: 000913
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: NXXXXX
Date achieved: 000913
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: NXXXXX
Date achieved: 001121
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: STATE DAY 0
Date achieved: 001121
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: TITLE V COMPLIANCE CERT DUE/RECEIVED BY
Date achieved: 010130
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: COMPLIANCE CERTIFICATION EPA REVIEW
Date achieved: 010404
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: NXXXXX
Date achieved: 010630
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: STATE DAY 0
Date achieved: 010630
Penalty amount: Not reported

OWENS-BROCKWAY GLASS CONTAINER (Continued) **1000319784**

Air program: TITLE V PERMITS
National action type: COMPLIANCE CERTIFICATION EPA REVIEW
Date achieved: 010716
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: NXXXXX
Date achieved: 010727
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: STATE DAY 0
Date achieved: 010727
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: STATE DAY 0
Date achieved: 010816
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: NXXXXX
Date achieved: 010816
Penalty amount: Not reported

Air program: PSD
National action type: MULTI MEDIA INSPECTION - LEVEL 2 OR GREATER
Date achieved: 010905
Penalty amount: 000000000

Air program: NSR
National action type: MULTI MEDIA INSPECTION - LEVEL 2 OR GREATER
Date achieved: 010905
Penalty amount: 000000000

Air program: TITLE V PERMITS
National action type: MULTI MEDIA INSPECTION - LEVEL 2 OR GREATER
Date achieved: 010905
Penalty amount: 000000000

Air program: SIP SOURCE
National action type: MULTI MEDIA INSPECTION - LEVEL 2 OR GREATER
Date achieved: 010905
Penalty amount: 000000000

Air program: TITLE V PERMITS
National action type: STATE DAY 0
Date achieved: 010911
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: NXXXXX
Date achieved: 010911
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: STATE DAY 0

OWENS-BROCKWAY GLASS CONTAINER (Continued) **1000319784**

Date achieved: 010923
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: NXXXXX
Date achieved: 010923
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: NXXXXX
Date achieved: 011004
Penalty amount: 000006000

Air program: TITLE V PERMITS
National action type: COMPLIANCE CERTIFICATION EPA REVIEW
Date achieved: 011206
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: SV RESOLVED
Date achieved: 020221
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: NXXXXX
Date achieved: 020408
Penalty amount: 000001500

Air program: TITLE V PERMITS
National action type: NXXXXX
Date achieved: 020408
Penalty amount: 000006000

Air program: TITLE V PERMITS
National action type: NXXXXX
Date achieved: 020410
Penalty amount: 000006000

Air program: TITLE V PERMITS
National action type: NXXXXX
Date achieved: 020411
Penalty amount: 000001500

Air program: TITLE V PERMITS
National action type: SV RESOLVED
Date achieved: 020510
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 020722
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: STATE DAY 0
Date achieved: 020816
Penalty amount: Not reported

OWENS-BROCKWAY GLASS CONTAINER (Continued) **1000319784**

Air program: TITLE V PERMITS
National action type: NXXXXX
Date achieved: 020816
Penalty amount: Not reported

Air program: NSR
National action type: STATE CONDUCTED FCE / ON-SITE
Date achieved: 021121
Penalty amount: Not reported

Air program: SIP SOURCE
National action type: STATE CONDUCTED FCE / ON-SITE
Date achieved: 021121
Penalty amount: Not reported

Air program: PSD
National action type: STATE CONDUCTED FCE / ON-SITE
Date achieved: 021121
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: COMPLIANCE CERTIFICATION STATE REVIEW
Date achieved: 021121
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: STATE CONDUCTED FCE / ON-SITE
Date achieved: 021121
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: STATE DAY 0
Date achieved: 021208
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: NXXXXX
Date achieved: 021208
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: STATE DAY 0
Date achieved: 021218
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: NXXXXX
Date achieved: 021218
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: NXXXXX
Date achieved: 030116
Penalty amount: 000002250

Air program: TITLE V PERMITS
National action type: NXXXXX

OWENS-BROCKWAY GLASS CONTAINER (Continued) **1000319784**

Date achieved: 030116
Penalty amount: 000000300

Air program: TITLE V PERMITS
National action type: NXXXXX
Date achieved: 030128
Penalty amount: 000002684

Air program: TITLE V PERMITS
National action type: SV RESOLVED
Date achieved: 030211
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: SV RESOLVED
Date achieved: 030218
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: SV RESOLVED
Date achieved: 030314
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: NXXXXX
Date achieved: 030519
Penalty amount: 000002250

Air program: TITLE V PERMITS
National action type: NXXXXX
Date achieved: 030520
Penalty amount: 000002250

Air program: PSD
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 030626
Penalty amount: Not reported

Air program: SIP SOURCE
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 030626
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 030626
Penalty amount: Not reported

Air program: NSR
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 030626
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: SV RESOLVED
Date achieved: 030703
Penalty amount: Not reported

OWENS-BROCKWAY GLASS CONTAINER (Continued) **1000319784**

Air program: TITLE V PERMITS
National action type: COMPLIANCE CERTIFICATION STATE REVIEW
Date achieved: 030922
Penalty amount: Not reported

Air program: NSR
National action type: OWNER/OPERATOR CONDUCTED SOURCE TEST
Date achieved: 031002
Penalty amount: Not reported

Air program: PSD
National action type: OWNER/OPERATOR CONDUCTED SOURCE TEST
Date achieved: 031002
Penalty amount: Not reported

Air program: SIP SOURCE
National action type: OWNER/OPERATOR CONDUCTED SOURCE TEST
Date achieved: 031002
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: OWNER/OPERATOR CONDUCTED SOURCE TEST
Date achieved: 031002
Penalty amount: Not reported

Air program: NSR
National action type: STATE CONDUCTED FCE / ON-SITE
Date achieved: 031003
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: STATE CONDUCTED FCE / ON-SITE
Date achieved: 031003
Penalty amount: Not reported

Air program: NSR
National action type: OWNER/OPERATOR CONDUCTED SOURCE TEST
Date achieved: 031003
Penalty amount: Not reported

Air program: PSD
National action type: STATE CONDUCTED FCE / ON-SITE
Date achieved: 031003
Penalty amount: Not reported

Air program: PSD
National action type: OWNER/OPERATOR CONDUCTED SOURCE TEST
Date achieved: 031003
Penalty amount: Not reported

Air program: SIP SOURCE
National action type: STATE CONDUCTED FCE / ON-SITE
Date achieved: 031003
Penalty amount: Not reported

Air program: SIP SOURCE
National action type: OWNER/OPERATOR CONDUCTED SOURCE TEST

OWENS-BROCKWAY GLASS CONTAINER (Continued) **1000319784**

Date achieved: 031003
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: OWNER/OPERATOR CONDUCTED SOURCE TEST
Date achieved: 031003
Penalty amount: Not reported

Air program: SIP SOURCE
National action type: STATE DAY 0
Date achieved: 040706
Penalty amount: Not reported

Air program: NSR
National action type: NXXXXX
Date achieved: 040706
Penalty amount: Not reported

Air program: NSR
National action type: STATE DAY 0
Date achieved: 040706
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: NXXXXX
Date achieved: 040706
Penalty amount: Not reported

Air program: PSD
National action type: STATE DAY 0
Date achieved: 040706
Penalty amount: Not reported

Air program: PSD
National action type: NXXXXX
Date achieved: 040706
Penalty amount: Not reported

Air program: SIP SOURCE
National action type: NXXXXX
Date achieved: 040706
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: STATE DAY 0
Date achieved: 040706
Penalty amount: Not reported

Air program: NSR
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 040811
Penalty amount: Not reported

Air program: PSD
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 040811
Penalty amount: Not reported

OWENS-BROCKWAY GLASS CONTAINER (Continued) **1000319784**

Air program: SIP SOURCE
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 040811
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 040811
Penalty amount: Not reported

Air program: PSD
National action type: COMPLIANCE CERTIFICATION STATE REVIEW
Date achieved: 040908
Penalty amount: Not reported

Air program: SIP SOURCE
National action type: COMPLIANCE CERTIFICATION STATE REVIEW
Date achieved: 040908
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: COMPLIANCE CERTIFICATION STATE REVIEW
Date achieved: 040908
Penalty amount: Not reported

Air program: NSR
National action type: COMPLIANCE CERTIFICATION STATE REVIEW
Date achieved: 040908
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: STATE CONDUCTED FCE / ON-SITE
Date achieved: 050216
Penalty amount: Not reported

Air program: SIP SOURCE
National action type: NXXXXX
Date achieved: 050512
Penalty amount: 000006000

Air program: PSD
National action type: NXXXXX
Date achieved: 050512
Penalty amount: 000006000

Air program: NSR
National action type: NXXXXX
Date achieved: 050512
Penalty amount: 000006000

Air program: TITLE V PERMITS
National action type: NXXXXX
Date achieved: 050512
Penalty amount: 000006000

Air program: NSR
National action type: SV RESOLVED

OWENS-BROCKWAY GLASS CONTAINER (Continued) **1000319784**

Date achieved: 050607
Penalty amount: Not reported

Air program: PSD
National action type: SV RESOLVED
Date achieved: 050607
Penalty amount: Not reported

Air program: SIP SOURCE
National action type: SV RESOLVED
Date achieved: 050607
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: SV RESOLVED
Date achieved: 050607
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: TITLE V COMPLIANCE CERT DUE/RECEIVED BY
Date achieved: 050812
Penalty amount: Not reported

Air program: SIP SOURCE
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 050817
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 050817
Penalty amount: Not reported

Air program: CFC TRACKING
National action type: EPA CONDUCTED FCE / ON-SITE
Date achieved: 050830
Penalty amount: Not reported

Air program: SIP SOURCE
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 050830
Penalty amount: Not reported

Air program: SIP SOURCE
National action type: EPA CONDUCTED FCE / ON-SITE
Date achieved: 050830
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 050830
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: EPA CONDUCTED FCE / ON-SITE
Date achieved: 050830
Penalty amount: Not reported

OWENS-BROCKWAY GLASS CONTAINER (Continued) **1000319784**

Air program: TITLE V PERMITS
National action type: STATE INVESTIGATION CONDUCTED
Date achieved: 050928
Penalty amount: Not reported

Air program: SIP SOURCE
National action type: STATE INVESTIGATION CONDUCTED
Date achieved: 050928
Penalty amount: Not reported

Air program: SIP SOURCE
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 051128
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 051128
Penalty amount: Not reported

Air program: SIP SOURCE
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 051229
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 051229
Penalty amount: Not reported

Air program: SIP SOURCE
National action type: STATE CONDUCTED FCE / ON-SITE
Date achieved: 060112
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: STATE CONDUCTED FCE / ON-SITE
Date achieved: 060112
Penalty amount: Not reported

Air program: SIP SOURCE
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 060406
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 060406
Penalty amount: Not reported

Air program: SIP SOURCE
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 060628
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: STATE CONDUCTED PCE/ ON-SITE

OWENS-BROCKWAY GLASS CONTAINER (Continued) **1000319784**

Date achieved: 060628
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: TITLE V COMPLIANCE CERT DUE/RECEIVED BY
Date achieved: 060817
Penalty amount: Not reported

Air program: SIP SOURCE
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 060824
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 060824
Penalty amount: Not reported

Air program: SIP SOURCE
National action type: STATE INVESTIGATION CONDUCTED
Date achieved: 060906
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: STATE INVESTIGATION CONDUCTED
Date achieved: 060906
Penalty amount: Not reported

Air program: SIP SOURCE
National action type: COMPLIANCE CERTIFICATION STATE REVIEW
Date achieved: 070425
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: COMPLIANCE CERTIFICATION STATE REVIEW
Date achieved: 070425
Penalty amount: Not reported

Air program: SIP SOURCE
National action type: OWNER/OPERATOR CONDUCTED SOURCE TEST
Date achieved: 070619
Penalty amount: Not reported

Air program: SIP SOURCE
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 070619
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 070619
Penalty amount: Not reported

Air program: NSR
National action type: OWNER/OPERATOR CONDUCTED SOURCE TEST
Date achieved: 070619
Penalty amount: Not reported

OWENS-BROCKWAY GLASS CONTAINER (Continued) **1000319784**

Air program: PSD
National action type: OWNER/OPERATOR CONDUCTED SOURCE TEST
Date achieved: 070619
Penalty amount: Not reported

Air program: SIP SOURCE
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 070816
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 070816
Penalty amount: Not reported

Air program: SIP SOURCE
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 070820
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 070820
Penalty amount: Not reported

Air program: SIP SOURCE
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 070821
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 070821
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: STATE CONDUCTED FCE / ON-SITE
Date achieved: 070821
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: TITLE V COMPLIANCE CERT DUE/RECEIVED BY
Date achieved: 070821
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 070822
Penalty amount: Not reported

Air program: SIP SOURCE
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 070822
Penalty amount: Not reported

Air program: SIP SOURCE
National action type: COMPLIANCE CERTIFICATION STATE REVIEW

OWENS-BROCKWAY GLASS CONTAINER (Continued) **1000319784**

Date achieved: 071001
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: COMPLIANCE CERTIFICATION STATE REVIEW
Date achieved: 071001
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 071016
Penalty amount: Not reported

Air program: SIP SOURCE
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 071016
Penalty amount: Not reported

Air program: SIP SOURCE
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 071127
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 071127
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 080331
Penalty amount: Not reported

Air program: SIP SOURCE
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 080331
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 080408
Penalty amount: Not reported

Air program: SIP SOURCE
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 080408
Penalty amount: Not reported

Air program: SIP SOURCE
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 080611
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 080611
Penalty amount: Not reported

OWENS-BROCKWAY GLASS CONTAINER (Continued) **1000319784**

Air program: SIP SOURCE
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 080617
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 080617
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 080618
Penalty amount: Not reported

Air program: SIP SOURCE
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 080618
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: STATE DAY 0
Date achieved: 080620
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: STATE DAY 0
Date achieved: 080811
Penalty amount: Not reported

Air program: SIP SOURCE
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 080814
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 080814
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: TITLE V COMPLIANCE CERT DUE/RECEIVED BY
Date achieved: 080819
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 080821
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: STATE CONDUCTED FCE / OFF-SITE
Date achieved: 080821
Penalty amount: Not reported

Air program: SIP SOURCE
National action type: STATE CONDUCTED PCE/ ON-SITE

OWENS-BROCKWAY GLASS CONTAINER (Continued) **1000319784**

Date achieved: 080821
Penalty amount: Not reported

Air program: SIP SOURCE
National action type: COMPLIANCE CERTIFICATION STATE REVIEW
Date achieved: 080916
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: COMPLIANCE CERTIFICATION STATE REVIEW
Date achieved: 080916
Penalty amount: Not reported

Air program: SIP SOURCE
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 080923
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 080923
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 081002
Penalty amount: Not reported

Air program: SIP SOURCE
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 081002
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 081028
Penalty amount: Not reported

Air program: SIP SOURCE
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 081028
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 081105
Penalty amount: Not reported

Air program: SIP SOURCE
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 081105
Penalty amount: Not reported

Air program: SIP SOURCE
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 081113
Penalty amount: Not reported

OWENS-BROCKWAY GLASS CONTAINER (Continued) **1000319784**

Air program: TITLE V PERMITS
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 081113
Penalty amount: Not reported

Air program: SIP SOURCE
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 081209
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 081209
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: NXXXXX
Date achieved: 081215
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 081230
Penalty amount: Not reported

Air program: SIP SOURCE
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 081230
Penalty amount: Not reported

Air program: SIP SOURCE
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 090105
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 090105
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: NXXXXX
Date achieved: 090108
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: STATE DAY 0
Date achieved: 090108
Penalty amount: Not reported

Air program: SIP SOURCE
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 090122
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: STATE CONDUCTED PCE/ ON-SITE

OWENS-BROCKWAY GLASS CONTAINER (Continued) **1000319784**

Date achieved: 090122
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 090318
Penalty amount: Not reported

Air program: SIP SOURCE
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 090318
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: NXXXXX
Date achieved: 090323
Penalty amount: 000001275

Air program: TITLE V PERMITS
National action type: NXXXXX
Date achieved: 090402
Penalty amount: 000025290

Air program: TITLE V PERMITS
National action type: SV RESOLVED
Date achieved: 090521
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: SV RESOLVED
Date achieved: 090626
Penalty amount: Not reported

Air program: SIP SOURCE
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 090722
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 090722
Penalty amount: Not reported

Air program: SIP SOURCE
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 090723
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 090723
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: STATE DAY 0
Date achieved: 090723
Penalty amount: Not reported

OWENS-BROCKWAY GLASS CONTAINER (Continued) **1000319784**

Air program: TITLE V PERMITS
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 090730
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: STATE CONDUCTED FCE / OFF-SITE
Date achieved: 090730
Penalty amount: Not reported

Air program: SIP SOURCE
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 090730
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 090803
Penalty amount: Not reported

Air program: SIP SOURCE
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 090803
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: STATE DAY 0
Date achieved: 090803
Penalty amount: Not reported

Air program: SIP SOURCE
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 090804
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 090804
Penalty amount: Not reported

Air program: SIP SOURCE
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 090806
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 090806
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 090807
Penalty amount: Not reported

Air program: SIP SOURCE
National action type: STATE CONDUCTED PCE/ ON-SITE

OWENS-BROCKWAY GLASS CONTAINER (Continued) **1000319784**

Date achieved: 090807
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 090811
Penalty amount: Not reported

Air program: SIP SOURCE
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 090811
Penalty amount: Not reported

Air program: SIP SOURCE
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 090812
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 090812
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 090817
Penalty amount: Not reported

Air program: SIP SOURCE
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 090817
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: TITLE V COMPLIANCE CERT DUE/RECEIVED BY
Date achieved: 090820
Penalty amount: Not reported

Air program: SIP SOURCE
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 090827
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 090827
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 090904
Penalty amount: Not reported

Air program: SIP SOURCE
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 090904
Penalty amount: Not reported

OWENS-BROCKWAY GLASS CONTAINER (Continued) **1000319784**

Air program: SIP SOURCE
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 090915
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 090915
Penalty amount: Not reported

Air program: SIP SOURCE
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 090917
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 090917
Penalty amount: Not reported

Air program: SIP SOURCE
National action type: COMPLIANCE CERTIFICATION STATE REVIEW
Date achieved: 090918
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: COMPLIANCE CERTIFICATION STATE REVIEW
Date achieved: 090918
Penalty amount: Not reported

Air program: SIP SOURCE
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 090921
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 090921
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 090924
Penalty amount: Not reported

Air program: SIP SOURCE
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 090924
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: NXXXXX
Date achieved: 090924
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: NXXXXX

OWENS-BROCKWAY GLASS CONTAINER (Continued) **1000319784**

Date achieved: 091105
Penalty amount: 000020250

Air program: TITLE V PERMITS
National action type: NXXXXX
Date achieved: 091105
Penalty amount: 000009000

Air program: SIP SOURCE
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 091125
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 091125
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: STATE DAY 0
Date achieved: 091214
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: SV RESOLVED
Date achieved: 091217
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 091223
Penalty amount: Not reported

Air program: SIP SOURCE
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 091223
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 091224
Penalty amount: Not reported

Air program: SIP SOURCE
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 091224
Penalty amount: Not reported

Air program: SIP SOURCE
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 100104
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 100104
Penalty amount: Not reported

OWENS-BROCKWAY GLASS CONTAINER (Continued) **1000319784**

Air program: SIP SOURCE
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 100105
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 100105
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 100106
Penalty amount: Not reported

Air program: SIP SOURCE
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 100106
Penalty amount: Not reported

Air program: SIP SOURCE
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 100112
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 100112
Penalty amount: Not reported

Air program: SIP SOURCE
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 100113
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 100113
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 100114
Penalty amount: Not reported

Air program: SIP SOURCE
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 100114
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 100119
Penalty amount: Not reported

Air program: SIP SOURCE
National action type: STATE CONDUCTED PCE/ ON-SITE

OWENS-BROCKWAY GLASS CONTAINER (Continued) **1000319784**

Date achieved: 100119
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 100121
Penalty amount: Not reported

Air program: SIP SOURCE
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 100121
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: STATE DAY 0
Date achieved: 100122
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 100122
Penalty amount: Not reported

Air program: SIP SOURCE
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 100122
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: NXXXXX
Date achieved: 100122
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 100125
Penalty amount: Not reported

Air program: SIP SOURCE
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 100125
Penalty amount: Not reported

Air program: SIP SOURCE
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 100127
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 100127
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 100128
Penalty amount: Not reported

OWENS-BROCKWAY GLASS CONTAINER (Continued) **1000319784**

Air program: SIP SOURCE
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 100128
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 100201
Penalty amount: Not reported

Air program: SIP SOURCE
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 100201
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 100211
Penalty amount: Not reported

Air program: SIP SOURCE
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 100211
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 100216
Penalty amount: Not reported

Air program: SIP SOURCE
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 100216
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 100302
Penalty amount: Not reported

Air program: SIP SOURCE
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 100302
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: STATE DAY 0
Date achieved: 100305
Penalty amount: Not reported

Air program: SIP SOURCE
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 100305
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: STATE CONDUCTED PCE/ ON-SITE

OWENS-BROCKWAY GLASS CONTAINER (Continued) **1000319784**

Date achieved: 100305
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: STATE CONDUCTED FCE / ON-SITE
Date achieved: 100305
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: NXXXXX
Date achieved: 100402
Penalty amount: 000002250

Air program: TITLE V PERMITS
National action type: STATE DAY 0
Date achieved: 100423
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: NXXXXX
Date achieved: 100429
Penalty amount: 000003500

Air program: TITLE V PERMITS
National action type: SV RESOLVED
Date achieved: 100503
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: STATE DAY 0
Date achieved: 100616
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: SV RESOLVED
Date achieved: 100706
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: TITLE V ANN COMPL CERT DUE/RCV BY PERMIT AUTHORITY
Date achieved: 100812
Penalty amount: Not reported

Air program: SIP SOURCE
National action type: TITLE V ANN COMPL CERT DUE/RCV BY PERMIT AUTHORITY
Date achieved: 100812
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: TITLE V COMPLIANCE CERT DUE/RECEIVED BY
Date achieved: 100819
Penalty amount: Not reported

Air program: SIP SOURCE
National action type: COMPLIANCE CERTIFICATION STATE REVIEW
Date achieved: 100902
Penalty amount: Not reported

OWENS-BROCKWAY GLASS CONTAINER (Continued) **1000319784**

Air program: TITLE V PERMITS
National action type: COMPLIANCE CERTIFICATION STATE REVIEW
Date achieved: 100902
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: STATE DAY 0
Date achieved: 100907
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: NXXXXX
Date achieved: 100908
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: NXXXXX
Date achieved: 100928
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: NXXXXX
Date achieved: 101004
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: NXXXXX
Date achieved: 101122
Penalty amount: 000004500

Air program: TITLE V PERMITS
National action type: NXXXXX
Date achieved: 101122
Penalty amount: 000002250

Air program: SIP SOURCE
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 101220
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 101220
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: STATE DAY 0
Date achieved: 101222
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: NXXXXX
Date achieved: 101222
Penalty amount: Not reported

Air program: SIP SOURCE
National action type: STATE CONDUCTED PCE/ ON-SITE

OWENS-BROCKWAY GLASS CONTAINER (Continued) **1000319784**

Date achieved: 110309
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 110309
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: STATE DAY 0
Date achieved: 110327
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: NXXXXX
Date achieved: 110421
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: SV RESOLVED
Date achieved: 110427
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: NXXXXX
Date achieved: 110513
Penalty amount: 000000900

Air program: TITLE V PERMITS
National action type: NXXXXX
Date achieved: 110525
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: STATE DAY 0
Date achieved: 110619
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: NXXXXX
Date achieved: 110718
Penalty amount: 000000650

Air program: TITLE V PERMITS
National action type: SV RESOLVED
Date achieved: 110722
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: NXXXXX
Date achieved: 110802
Penalty amount: 000003800

Air program: TITLE V PERMITS
National action type: STATE CONDUCTED FCE / ON-SITE
Date achieved: 110809
Penalty amount: Not reported

OWENS-BROCKWAY GLASS CONTAINER (Continued) **1000319784**

Air program: TITLE V PERMITS
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 110809
Penalty amount: Not reported

Air program: SIP SOURCE
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 110809
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: TITLE V ANN COMPL CERT DUE/RCV BY PERMIT AUTHORITY
Date achieved: 110812
Penalty amount: Not reported

Air program: SIP SOURCE
National action type: TITLE V ANN COMPL CERT DUE/RCV BY PERMIT AUTHORITY
Date achieved: 110812
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: NXXXXX
Date achieved: 110817
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: STATE DAY 0
Date achieved: 110919
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: COMPLIANCE CERTIFICATION STATE REVIEW
Date achieved: 110921
Penalty amount: Not reported

Air program: SIP SOURCE
National action type: COMPLIANCE CERTIFICATION STATE REVIEW
Date achieved: 110921
Penalty amount: Not reported

Air program: NSR
National action type: S/L REQ (O/O COND) STACK TEST/NOT OBSV BUT REVWD
Date achieved: 111003
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: NXXXXX
Date achieved: 111003
Penalty amount: Not reported

Air program: SIP SOURCE
National action type: S/L REQ (O/O COND) STACK TEST/NOT OBSV BUT REVWD
Date achieved: 111003
Penalty amount: Not reported

Air program: SIP SOURCE
National action type: STATE CONDUCTED PCE/ ON-SITE

OWENS-BROCKWAY GLASS CONTAINER (Continued) **1000319784**

Date achieved: 111005
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 111005
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: NXXXXX
Date achieved: 111121
Penalty amount: 000002588

Air program: TITLE V PERMITS
National action type: SV RESOLVED
Date achieved: 111122
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: NXXXXX
Date achieved: 111213
Penalty amount: 000002250

Air program: SIP SOURCE
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 120202
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 120202
Penalty amount: Not reported

Air program: SIP SOURCE
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 120215
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 120215
Penalty amount: Not reported

Air program: SIP SOURCE
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 120222
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 120222
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 120229
Penalty amount: Not reported

OWENS-BROCKWAY GLASS CONTAINER (Continued) **1000319784**

Air program: SIP SOURCE
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 120229
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: SV RESOLVED
Date achieved: 120329
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 120403
Penalty amount: Not reported

Air program: SIP SOURCE
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 120403
Penalty amount: Not reported

Air program: SIP SOURCE
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 120507
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: STATE DAY 0
Date achieved: 120507
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 120507
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 120508
Penalty amount: Not reported

Air program: SIP SOURCE
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 120508
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: NXXXXX
Date achieved: 120515
Penalty amount: Not reported

Air program: SIP SOURCE
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 120531
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: STATE CONDUCTED PCE/ ON-SITE

OWENS-BROCKWAY GLASS CONTAINER (Continued) **1000319784**

Date achieved: 120531
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: STATE CONDUCTED FCE / ON-SITE
Date achieved: 120705
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 120705
Penalty amount: Not reported

Air program: SIP SOURCE
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 120705
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: NXXXXX
Date achieved: 120712
Penalty amount: 000013500

Air program: TITLE V PERMITS
National action type: TITLE V ANN COMPL CERT DUE/RCV BY PERMIT AUTHORITY
Date achieved: 120810
Penalty amount: Not reported

Air program: SIP SOURCE
National action type: TITLE V ANN COMPL CERT DUE/RCV BY PERMIT AUTHORITY
Date achieved: 120810
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: SV RESOLVED
Date achieved: 120830
Penalty amount: Not reported

Air program: SIP SOURCE
National action type: COMPLIANCE CERTIFICATION STATE REVIEW
Date achieved: 120905
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: COMPLIANCE CERTIFICATION STATE REVIEW
Date achieved: 120905
Penalty amount: Not reported

Air program: SIP SOURCE
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 120906
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 120906
Penalty amount: Not reported

OWENS-BROCKWAY GLASS CONTAINER (Continued) **1000319784**

Air program: NSR
National action type: EPA INVESTIGATION CONDUCTED
Date achieved: 120921
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: EPA INVESTIGATION CONDUCTED
Date achieved: 120921
Penalty amount: Not reported

Air program: PSD
National action type: Not reported
Date achieved: 120921
Penalty amount: Not reported

Air program: PSD
National action type: EPA INVESTIGATION CONDUCTED
Date achieved: 120921
Penalty amount: Not reported

Air program: NSR
National action type: Not reported
Date achieved: 120921
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: Not reported
Date achieved: 120921
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 120925
Penalty amount: Not reported

Air program: SIP SOURCE
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 120925
Penalty amount: Not reported

Air program: SIP SOURCE
National action type: NXXXXX
Date achieved: 970128
Penalty amount: 000000350

Air program: SIP SOURCE
National action type: STATE DAY 0
Date achieved: 970225
Penalty amount: Not reported

Air program: SIP SOURCE
National action type: STATE DAY 0
Date achieved: 970313
Penalty amount: Not reported

Air program: SIP SOURCE
National action type: NXXXXX

OWENS-BROCKWAY GLASS CONTAINER (Continued) **1000319784**

Date achieved: 970313
Penalty amount: Not reported

Air program: NSR
National action type: MULTI MEDIA INSPECTION - LEVEL 2 OR GREATER
Date achieved: 970318
Penalty amount: 000000000

Air program: SIP SOURCE
National action type: MULTI MEDIA INSPECTION - LEVEL 2 OR GREATER
Date achieved: 970318
Penalty amount: 000000000

Air program: TITLE V PERMITS
National action type: MULTI MEDIA INSPECTION - LEVEL 2 OR GREATER
Date achieved: 970318
Penalty amount: 000000000

Air program: SIP SOURCE
National action type: STATE DAY 0
Date achieved: 970318
Penalty amount: Not reported

Air program: SIP SOURCE
National action type: NXXXXX
Date achieved: 970318
Penalty amount: Not reported

Air program: SIP SOURCE
National action type: NXXXXX
Date achieved: 970521
Penalty amount: 000000500

Air program: SIP SOURCE
National action type: NXXXXX
Date achieved: 970521
Penalty amount: 000001000

Air program: SIP SOURCE
National action type: NXXXXX
Date achieved: 970525
Penalty amount: Not reported

Air program: SIP SOURCE
National action type: SV RESOLVED
Date achieved: 970610
Penalty amount: Not reported

Air program: SIP SOURCE
National action type: NXXXXX
Date achieved: 980219
Penalty amount: Not reported

Air program: SIP SOURCE
National action type: STATE DAY 0
Date achieved: 980219
Penalty amount: Not reported

OWENS-BROCKWAY GLASS CONTAINER (Continued) **1000319784**

Air program: SIP SOURCE
National action type: NXXXXX
Date achieved: 980221
Penalty amount: 000000000

Air program: SIP SOURCE
National action type: PCE/OFF-SITE
Date achieved: 980221
Penalty amount: 000000000

Air program: SIP SOURCE
National action type: STATE DAY 0
Date achieved: 980221
Penalty amount: 000000000

Air program: SIP SOURCE
National action type: NXXXXX
Date achieved: 980501
Penalty amount: Not reported

Air program: SIP SOURCE
National action type: NXXXXX
Date achieved: 980501
Penalty amount: 000000000

Air program: SIP SOURCE
National action type: SV RESOLVED
Date achieved: 980501
Penalty amount: 000000000

Air program: SIP SOURCE
National action type: NXXXXX
Date achieved: 980506
Penalty amount: 000000000

Air program: SIP SOURCE
National action type: PCE/OFF-SITE
Date achieved: 980506
Penalty amount: 000000000

Air program: SIP SOURCE
National action type: STATE DAY 0
Date achieved: 980506
Penalty amount: 000000000

Air program: NSR
National action type: PCE/OFF-SITE
Date achieved: 980506
Penalty amount: 000000000

Air program: NSR
National action type: NXXXXX
Date achieved: 980506
Penalty amount: 000000000

Air program: PSD
National action type: PCE/OFF-SITE

OWENS-BROCKWAY GLASS CONTAINER (Continued) **1000319784**

Date achieved: 980506
Penalty amount: 000000000

Air program: PSD
National action type: NXXXXX
Date achieved: 980506
Penalty amount: 000000000

Air program: PSD
National action type: MULTI MEDIA INSPECTION - LEVEL 2 OR GREATER
Date achieved: 980520
Penalty amount: 000000000

Air program: NSR
National action type: MULTI MEDIA INSPECTION - LEVEL 2 OR GREATER
Date achieved: 980520
Penalty amount: 000000000

Air program: SIP SOURCE
National action type: MULTI MEDIA INSPECTION - LEVEL 2 OR GREATER
Date achieved: 980520
Penalty amount: 000000000

Air program: TITLE V PERMITS
National action type: MULTI MEDIA INSPECTION - LEVEL 2 OR GREATER
Date achieved: 980520
Penalty amount: 000000000

Air program: SIP SOURCE
National action type: SV RESOLVED
Date achieved: 980716
Penalty amount: 000000000

Air program: SIP SOURCE
National action type: NXXXXX
Date achieved: 980716
Penalty amount: 000000000

Air program: NSR
National action type: MULTI MEDIA INSPECTION - LEVEL 2 OR GREATER
Date achieved: 990127
Penalty amount: 000000000

Air program: SIP SOURCE
National action type: MULTI MEDIA INSPECTION - LEVEL 2 OR GREATER
Date achieved: 990127
Penalty amount: 000000000

Air program: TITLE V PERMITS
National action type: MULTI MEDIA INSPECTION - LEVEL 2 OR GREATER
Date achieved: 990127
Penalty amount: 000000000

Air program: TITLE V PERMITS
National action type: TITLE V COMPLIANCE CERT DUE/RECEIVED BY
Date achieved: 990819
Penalty amount: Not reported

OWENS-BROCKWAY GLASS CONTAINER (Continued) **1000319784**

Air program: SIP SOURCE
National action type: SV RESOLVED
Date achieved: 991116
Penalty amount: Not reported

Historical Compliance Minor Sources:
State compliance status: IN COMPLIANCE - INSPECTION
Hist compliance date: 0904
Air prog code hist file: 0

State compliance status: IN COMPLIANCE - INSPECTION
Hist compliance date: 0904
Air prog code hist file: 6

State compliance status: IN COMPLIANCE - INSPECTION
Hist compliance date: 0904
Air prog code hist file: 7

State compliance status: IN COMPLIANCE - INSPECTION
Hist compliance date: 0904
Air prog code hist file: V

State compliance status: IN COMPLIANCE - INSPECTION
Hist compliance date: 1001
Air prog code hist file: 0

State compliance status: IN COMPLIANCE - INSPECTION
Hist compliance date: 1001
Air prog code hist file: 6

State compliance status: IN COMPLIANCE - INSPECTION
Hist compliance date: 1001
Air prog code hist file: 7

State compliance status: IN COMPLIANCE - INSPECTION
Hist compliance date: 1001
Air prog code hist file: V

State compliance status: IN COMPLIANCE - INSPECTION
Hist compliance date: 1002
Air prog code hist file: 0

State compliance status: IN COMPLIANCE - INSPECTION
Hist compliance date: 1002
Air prog code hist file: 6

State compliance status: IN COMPLIANCE - INSPECTION
Hist compliance date: 1002
Air prog code hist file: 7

State compliance status: IN COMPLIANCE - INSPECTION
Hist compliance date: 1002
Air prog code hist file: V

State compliance status: IN COMPLIANCE - INSPECTION
Hist compliance date: 1003
Air prog code hist file: 0

OWENS-BROCKWAY GLASS CONTAINER (Continued) **1000319784**

State compliance status: IN COMPLIANCE - INSPECTION
Hist compliance date: 1003
Air prog code hist file: 6

State compliance status: IN COMPLIANCE - INSPECTION
Hist compliance date: 1003
Air prog code hist file: 7

State compliance status: IN COMPLIANCE - INSPECTION
Hist compliance date: 1003
Air prog code hist file: V

State compliance status: IN COMPLIANCE - INSPECTION
Hist compliance date: 1004
Air prog code hist file: 0

State compliance status: IN COMPLIANCE - INSPECTION
Hist compliance date: 1004
Air prog code hist file: 6

State compliance status: IN COMPLIANCE - INSPECTION
Hist compliance date: 1004
Air prog code hist file: 7

State compliance status: IN COMPLIANCE - INSPECTION
Hist compliance date: 1004
Air prog code hist file: V

State compliance status: IN COMPLIANCE - INSPECTION
Hist compliance date: 1101
Air prog code hist file: 0

State compliance status: IN COMPLIANCE - INSPECTION
Hist compliance date: 1101
Air prog code hist file: 6

State compliance status: IN COMPLIANCE - INSPECTION
Hist compliance date: 1101
Air prog code hist file: 7

State compliance status: IN COMPLIANCE - INSPECTION
Hist compliance date: 1101
Air prog code hist file: V

State compliance status: IN COMPLIANCE - INSPECTION
Hist compliance date: 1102
Air prog code hist file: 0

State compliance status: IN COMPLIANCE - INSPECTION
Hist compliance date: 1102
Air prog code hist file: 6

State compliance status: IN COMPLIANCE - INSPECTION
Hist compliance date: 1102
Air prog code hist file: 7

State compliance status: IN COMPLIANCE - INSPECTION

OWENS-BROCKWAY GLASS CONTAINER (Continued) **1000319784**

Hist compliance date: 1102
Air prog code hist file: V

State compliance status: IN COMPLIANCE - INSPECTION
Hist compliance date: 1103
Air prog code hist file: 0

State compliance status: IN COMPLIANCE - INSPECTION
Hist compliance date: 1103
Air prog code hist file: 6

State compliance status: IN COMPLIANCE - INSPECTION
Hist compliance date: 1103
Air prog code hist file: 7

State compliance status: IN COMPLIANCE - INSPECTION
Hist compliance date: 1103
Air prog code hist file: V

State compliance status: IN COMPLIANCE - INSPECTION
Hist compliance date: 1104
Air prog code hist file: 0

State compliance status: IN COMPLIANCE - INSPECTION
Hist compliance date: 1104
Air prog code hist file: 6

State compliance status: IN COMPLIANCE - INSPECTION
Hist compliance date: 1104
Air prog code hist file: 7

State compliance status: IN COMPLIANCE - INSPECTION
Hist compliance date: 1104
Air prog code hist file: V

State compliance status: IN COMPLIANCE - INSPECTION
Hist compliance date: 1201
Air prog code hist file: 0

State compliance status: IN COMPLIANCE - INSPECTION
Hist compliance date: 1201
Air prog code hist file: 6

State compliance status: IN COMPLIANCE - INSPECTION
Hist compliance date: 1201
Air prog code hist file: 7

State compliance status: IN COMPLIANCE - INSPECTION
Hist compliance date: 1201
Air prog code hist file: V

State compliance status: IN COMPLIANCE - INSPECTION
Hist compliance date: 1202
Air prog code hist file: 0

State compliance status: IN COMPLIANCE - INSPECTION
Hist compliance date: 1202

OWENS-BROCKWAY GLASS CONTAINER (Continued) **1000319784**

Air prog code hist file: 6

State compliance status: IN COMPLIANCE - INSPECTION
Hist compliance date: 1202
Air prog code hist file: 7

State compliance status: IN COMPLIANCE - INSPECTION
Hist compliance date: 1202
Air prog code hist file: V

State compliance status: IN COMPLIANCE - INSPECTION
Hist compliance date: 1203
Air prog code hist file: 0

State compliance status: IN COMPLIANCE - INSPECTION
Hist compliance date: 1203
Air prog code hist file: 6

State compliance status: IN COMPLIANCE - INSPECTION
Hist compliance date: 1203
Air prog code hist file: 7

State compliance status: IN COMPLIANCE - INSPECTION
Hist compliance date: 1203
Air prog code hist file: V

State compliance status: PRESENT, SEE OTHER PROGRAM(S)
Hist compliance date: 0904
Air prog code hist file: 4

State compliance status: PRESENT, SEE OTHER PROGRAM(S)
Hist compliance date: 1001
Air prog code hist file: 4

State compliance status: PRESENT, SEE OTHER PROGRAM(S)
Hist compliance date: 1002
Air prog code hist file: 4

State compliance status: PRESENT, SEE OTHER PROGRAM(S)
Hist compliance date: 1003
Air prog code hist file: 4

State compliance status: PRESENT, SEE OTHER PROGRAM(S)
Hist compliance date: 1004
Air prog code hist file: 4

State compliance status: PRESENT, SEE OTHER PROGRAM(S)
Hist compliance date: 1101
Air prog code hist file: 4

State compliance status: PRESENT, SEE OTHER PROGRAM(S)
Hist compliance date: 1102
Air prog code hist file: 4

State compliance status: PRESENT, SEE OTHER PROGRAM(S)
Hist compliance date: 1103
Air prog code hist file: 4

OWENS-BROCKWAY GLASS CONTAINER (Continued) **1000319784**

State compliance status: PRESENT, SEE OTHER PROGRAM(S)
Hist compliance date: 1104
Air prog code hist file: 4

State compliance status: PRESENT, SEE OTHER PROGRAM(S)
Hist compliance date: 1201
Air prog code hist file: 4

State compliance status: PRESENT, SEE OTHER PROGRAM(S)
Hist compliance date: 1202
Air prog code hist file: 4

State compliance status: PRESENT, SEE OTHER PROGRAM(S)
Hist compliance date: 1203
Air prog code hist file: 4

Permit Information:
Compliance plant ID: N0593
Permit number: N-0593
Permit category: V
Permit category desc: TITLE V PERMIT - PLANT SP

Permit Source:
Compliance plant ID: N0593
Plant name: OWENS BROCKWAY GLASS
Plant address: 14700 W SCHULTE RD
TRACY, CA 95376

Event Information:
Compliance permit ID: N0593
Permit number: N-0593
Event action type: IF
Event description: *PERMIT AUTHORITY ISSUES FINAL PERMIT
Event action #: 001
Event date: 19980715

V110 **OWENS ILLINOIS INC TRACY PLANT** **CA FID UST** **S101593081**
ESE **14700 W SCHULTE RD** **SWEEPS UST** **N/A**
> 1 **TRACY, CA 95376** **HAZNET**
1.544 mi. **EMI**
8154 ft. **Site 3 of 4 in cluster V**

Relative:
Lower

Actual:
132 ft.

CA FID UST:
Facility ID: 39001820
Regulated By: UTNKI
Regulated ID: Not reported
Cortese Code: Not reported
SIC Code: Not reported
Facility Phone: 2098355701
Mail To: Not reported
Mailing Address: P O BOX 30
Mailing Address 2: Not reported
Mailing City,St,Zip: TRACY 95376
Contact: Not reported
Contact Phone: Not reported

OWENS ILLINOIS INC TRACY PLANT (Continued) **S101593081**

DUNs Number: Not reported
NPDES Number: Not reported
EPA ID: Not reported
Comments: Not reported
Status: Inactive

SWEEPS UST:
Status: Not reported
Comp Number: 1965
Number: Not reported
Board Of Equalization: 44-024944
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Tank Status: Not reported
Owner Tank Id: Not reported
Swrcb Tank Id: 39-000-001965-000001
Actv Date: Not reported
Capacity: 27300
Tank Use: OIL
Stg: WASTE
Content: LUBRICUTING
Number Of Tanks: 4

Status: Not reported
Comp Number: 1965
Number: Not reported
Board Of Equalization: 44-024944
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Tank Status: Not reported
Owner Tank Id: Not reported
Swrcb Tank Id: 39-000-001965-000002
Actv Date: Not reported
Capacity: 42000
Tank Use: OIL
Stg: WASTE
Content: LUBRICUTING
Number Of Tanks: Not reported

Status: Not reported
Comp Number: 1965
Number: Not reported
Board Of Equalization: 44-024944
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Tank Status: Not reported
Owner Tank Id: Not reported
Swrcb Tank Id: 39-000-001965-000003
Actv Date: Not reported
Capacity: 3150
Tank Use: OIL
Stg: WASTE
Content: WASTE OIL
Number Of Tanks: Not reported

OWENS ILLINOIS INC TRACY PLANT (Continued) **S101593081**

Status: Not reported
Comp Number: 1965
Number: Not reported
Board Of Equalization: 44-024944
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Tank Status: Not reported
Owner Tank Id: Not reported
Swrcb Tank Id: 39-000-001965-000004
Actv Date: Not reported
Capacity: 450
Tank Use: M.V. FUEL
Stg: PRODUCT
Content: LEADED
Number Of Tanks: Not reported

HAZNET:
Year: 2011
Gepaid: CAD009146929
Contact: L MENDOZA
Telephone: 2098368269
Mailing Name: Not reported
Mailing Address: 14700 W SCHULTE RD
Mailing City,St,Zip: TRACY, CA 953768628
Gen County: Not reported
TSD EPA ID: ARD981057870
TSD County: Not reported
Waste Category: Unspecified organic liquid mixture
Disposal Method: Fuel Blending Prior To Energy Recovery At Another Site
Tons: 0.325
Facility County: San Joaquin

Year: 2011
Gepaid: CAD009146929
Contact: L MENDOZA
Telephone: 2098368269
Mailing Name: Not reported
Mailing Address: 14700 W SCHULTE RD
Mailing City,St,Zip: TRACY, CA 953768628
Gen County: Not reported
TSD EPA ID: CAD980887418
TSD County: Not reported
Waste Category: Unspecified oil-containing waste
Disposal Method: Discharge To Sewer/Potw Or Npdes(With Prior Storage--With Or Without Treatment)
Tons: 14.595
Facility County: San Joaquin

Year: 2011
Gepaid: CAD009146929
Contact: L MENDOZA
Telephone: 2098368269
Mailing Name: Not reported
Mailing Address: 14700 W SCHULTE RD
Mailing City,St,Zip: TRACY, CA 953768628
Gen County: Not reported

OWENS ILLINOIS INC TRACY PLANT (Continued) **S101593081**

TSD EPA ID: CA0000084517
TSD County: Not reported
Waste Category: Aqueous solution with total organic residues less than 10 percent
Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 5.8842
Facility County: San Joaquin

Year: 2011
Gepaid: CAD009146929
Contact: L MENDOZA
Telephone: 2098368269
Mailing Name: Not reported
Mailing Address: 14700 W SCHULTE RD
Mailing City,St,Zip: TRACY, CA 953768628
Gen County: Not reported
TSD EPA ID: CAD008488025
TSD County: Not reported
Waste Category: Off-specification, aged or surplus inorganics
Disposal Method: Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Tons: 1.27185
Facility County: San Joaquin

Year: 2011
Gepaid: CAD009146929
Contact: L MENDOZA
Telephone: 2098368269
Mailing Name: Not reported
Mailing Address: 14700 W SCHULTE RD
Mailing City,St,Zip: TRACY, CA 953768628
Gen County: Not reported
TSD EPA ID: CAD008488025
TSD County: Not reported
Waste Category: Off-specification, aged or surplus inorganics
Disposal Method: Neutralization Only
Tons: 2.085
Facility County: San Joaquin

Click this hyperlink while viewing on your computer to access
254 additional CA_HAZNET: record(s) in the EDR Site Report.

EMI:
Year: 1987
County Code: 39
Air Basin: SJV
Facility ID: 17
Air District Name: SJU
SIC Code: 3221
Air District Name: SAN JOAQUIN VALLEY UNIFIED APCD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 1
Reactive Organic Gases Tons/Yr: 0
Carbon Monoxide Emissions Tons/Yr: 25
NOX - Oxides of Nitrogen Tons/Yr: 852
SOX - Oxides of Sulphur Tons/Yr: 236

OWENS ILLINOIS INC TRACY PLANT (Continued) **S101593081**

Particulate Matter Tons/Yr:	87
Part. Matter 10 Micrometers & Smllr Tons/Yr:	82
Year:	1990
County Code:	39
Air Basin:	SJV
Facility ID:	17
Air District Name:	SJU
SIC Code:	3221
Air District Name:	SAN JOAQUIN VALLEY UNIFIED APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	1
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	22
NOX - Oxides of Nitrogen Tons/Yr:	822
SOX - Oxides of Sulphur Tons/Yr:	319
Particulate Matter Tons/Yr:	94
Part. Matter 10 Micrometers & Smllr Tons/Yr:	90
Year:	1995
County Code:	39
Air Basin:	SJV
Facility ID:	593
Air District Name:	SJU
SIC Code:	3221
Air District Name:	SAN JOAQUIN VALLEY UNIFIED APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	3
Reactive Organic Gases Tons/Yr:	2
Carbon Monoxide Emissions Tons/Yr:	19
NOX - Oxides of Nitrogen Tons/Yr:	785
SOX - Oxides of Sulphur Tons/Yr:	288
Particulate Matter Tons/Yr:	96
Part. Matter 10 Micrometers & Smllr Tons/Yr:	91

V111 **CHMIRS** **S105649361**
ESE **14700 WEST SHULTE RD** **N/A**
> 1 **TRACY, CA 95376**
1.546 mi.
8162 ft. **Site 4 of 4 in cluster V**

Relative:
Lower

Actual:
132 ft.

CHMIRS:

OES Incident Number:	97-3580
OES notification:	9/12/199702:49:24 PM
OES Date:	Not reported
OES Time:	Not reported
Incident Date:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported

(Continued) **S105649361**

Special Studies 1:	Not reported
Special Studies 2:	Not reported
Special Studies 3:	Not reported
Special Studies 4:	Not reported
Special Studies 5:	Not reported
Special Studies 6:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA/DOT/PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Comments:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	No
Waterway:	Not reported
Spill Site:	Not reported
Cleanup By:	Responsible Party
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	1997
Agency:	San Joaquin Co OES
Incident Date:	9/12/199712:00:00 AM
Admin Agency:	San Joaquin County Emergency Services
Amount:	Not reported
Contained:	Yes
Site Type:	Industrial Plant
E Date:	Not reported
Substance:	Diesel
Quantity Released:	Not reported
BBLS:	0
Cups:	0
CUFT:	0
Gallons:	200
Grams:	0
Pounds:	0
Liters:	0
Ounces:	0
Pints:	0
Quarts:	0
Sheen:	0
Tons:	0
Unknown:	0
Evacuations:	0

(Continued) **S105649361**

Number of Injuries: 0
Number of Fatalities: 0
Description: While transfering fuel from one tank to another, an operator forgot where he was at, and second tank overflowed. Contractor on scene

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112
WSW
> 1
1.623 mi.
8567 ft.

Relative:
Higher

Actual:
310 ft.

UNOCAL PIPE LINES **HAZNET** **S102804953**
PATTERSON PASS ROAD AND I-580 **N/A**
TRACY, CA 00000

HAZNET:
Year: 1995
Gepaid: CAC001104856
Contact: UNOCAL
Telephone: 8059348284
Mailing Name: Not reported
Mailing Address: 201 SOUTH BROADWAY
Mailing City,St,Zip: ORCUTT, CA 934550000
Gen County: San Joaquin
TSD EPA ID: CAT000646117
TSD County: Kings
Waste Category: Contaminated soil from site clean-up
Disposal Method: Disposal, Land Fill
Tons: 5.8996
Facility County: San Joaquin

W113
WSW
> 1
1.657 mi.
8751 ft.

Site 1 of 3 in cluster W

Relative:
Higher

Actual:
317 ft.

ARCO PRODUCTS COMPANY **HAZNET** **S103950611**
25775 S PATTERSON PAS **N/A**
TRACY, CA 95376

HAZNET:
Year: 2002
Gepaid: CAL000039442
Contact: CARLOS RODRIGUEZ/ENV COMPL ADM
Telephone: 7146705402
Mailing Name: Not reported
Mailing Address: PO BOX 6038
Mailing City,St,Zip: ARTESIA, CA 907026038
Gen County: San Joaquin
TSD EPA ID: Not reported
TSD County: San Mateo
Waste Category: Hydrocarbon solvents (benzene, hexane, Stoddard, Etc.)
Disposal Method: Recycler
Tons: 0.62
Facility County: Not reported

Year: 2001
Gepaid: CAL000039442
Contact: CARLOS RODRIGUEZ/ENV COMPL ADM
Telephone: 7146705402
Mailing Name: Not reported
Mailing Address: PO BOX 6038
Mailing City,St,Zip: ARTESIA, CA 907026038

ARCO PRODUCTS COMPANY (Continued) **S103950611**

Gen County: San Joaquin
TSD EPA ID: Not reported
TSD County: San Mateo
Waste Category: Hydrocarbon solvents (benzene, hexane, Stoddard, Etc.)
Disposal Method: Recycler
Tons: 0.16
Facility County: Not reported

Year: 2001
Gepaid: CAL000039442
Contact: CARLOS RODRIGUEZ/ENV COMPL ADM
Telephone: 7146705402
Mailing Name: Not reported
Mailing Address: PO BOX 6038
Mailing City,St,Zip: ARTESIA, CA 907026038
Gen County: San Joaquin
TSD EPA ID: Not reported
TSD County: Los Angeles
Waste Category: Aqueous solution with total organic residues less than 10 percent
Disposal Method: Recycler
Tons: 0.27
Facility County: Not reported

Year: 2000
Gepaid: CAL000039442
Contact: ATLANTIC RICHFIELD COMPANY
Telephone: 2134860494
Mailing Name: Not reported
Mailing Address: PO BOX 6038
Mailing City,St,Zip: ARTESIA, CA 907026038
Gen County: San Joaquin
TSD EPA ID: WAD991281767
TSD County: 99
Waste Category: Aqueous solution with total organic residues less than 10 percent
Disposal Method: Not reported
Tons: .0083
Facility County: San Joaquin

Year: 1999
Gepaid: CAL000039442
Contact: ATLANTIC RICHFIELD COMPANY
Telephone: 2134860494
Mailing Name: Not reported
Mailing Address: PO BOX 6038
Mailing City,St,Zip: ARTESIA, CA 907026038
Gen County: San Joaquin
TSD EPA ID: CAT080013352
TSD County: Los Angeles
Waste Category: Aqueous solution with total organic residues less than 10 percent
Disposal Method: Recycler
Tons: 0.2085
Facility County: San Joaquin

Click this hyperlink while viewing on your computer to access
5 additional CA_HAZNET: record(s) in the EDR Site Report.

W114 **ARCO #6100** **HIST CORTESE** **S101308500**
WSW **25775 PATTERSON PASS** **LUST** **N/A**
> 1 **TRACY, CA**
1.657 mi.
8751 ft. **Site 2 of 3 in cluster W**

Relative:
Higher

Actual:
317 ft.

CORTESE:

Region:	CORTESE
Facility County Code:	39
Reg By:	LTNKA
Reg Id:	390265

LUST:

Region:	STATE
Global Id:	T0607700192
Latitude:	37.7192806
Longitude:	-121.5363852
Case Type:	LUST Cleanup Site
Status:	Open - Assessment & Interim Remedial Action
Status Date:	07/13/2012
Lead Agency:	SAN JOAQUIN COUNTY LOP
Case Worker:	NUE
Local Agency:	SAN JOAQUIN COUNTY LOP
RB Case Number:	390265
LOC Case Number:	1708
File Location:	Local Agency
Potential Media Affect:	Other Groundwater (uses other than drinking water)
Potential Contaminants of Concern:	Gasoline, Waste Oil / Motor / Hydraulic / Lubricating
Site History:	10/07/1986: USTs No. 2, 3, 4 and 5 failed precision tests. 04/22/1987: 500-gallon waste oil UST removed without SJCEHD oversight; visible soil contamination. 03/1988: All USTs pass precision tests. 01/112/1989: Approximatelt 5 cubic yards of impacted soil manifested and disposed off-site. 06/06-08/1990: Five soil borings advanced to investigate soil. 07/20/1990: Contamination reported. 08/02/1990: Site entered into Local Oversight Program (LOP). 08/07/1990: Prop 65 filed after review of Environ. Invest. dated 07/16/1990; NOR issued and notification that site was entered into LOP. 11/02/1990: Five USTs removed; inspector noted strong odor from excavation. 01/14/1991: New NOR issued to ARCO, Kyle Christie contact. 04/15/1991: NOR issued 10/07-11/1991: Soil borings B-6 through B-11 advanced, vapor wells VW-1 through VW-3 installed. 10/14/1991: VW-4 installed. 11/20, 22-24-27/1991: Soil borings B-12 through B-19 advanced; vapor wells VW-5 through VW-9 installed. 06/01-03/1992: Soil borings B-20 through B-25 advanced, vapor wells VW-10 through VW-15 installed. 12/14-16/1992: Soil borings B-26 through B-28 advanced. 12/22/1992: Soil boring B-26 deepened and completed as VW-16. 06/26/1995: VW-18 installed. 07-05,06/1995: VW-19 and VW-20 installed. 02/01/2000: Record Title Owner Letter issued. 9/26-28/2000: Soil boring B-32 advanced, MW-1 installed; free product encountered. 8/30/2001 - 9/25/2001: Soil borings B-33 through B-38 advanced, monitoring wells MW-2 through MW-9 installed. 01/23/2002: Soil samples beneath dispensers collected during station renovation. 02/18/2004: Advance soil boring B-39 to 151 feet bsg. 03/2004 - 11/2004: SVE operation utilizing electric catalytic oxidation. 06/01-02/2004: Destroy VW-15; install MW-14 and MW-15. 05/16/2005: Start SVE with thermal catalytic oxidation.

Click here to access the California GeoTracker records for this facility:

ARCO #6100 (Continued) **S101308500**

LUST:
Global Id: T0607700192
Contact Type: Regional Board Caseworker
Contact Name: JAMES BARTON
Organization Name: CENTRAL VALLEY RWQCB (REGION 5S)
Address: 11020 SUN CENTER DRIVE #200
City: RANCHO CORDOVA
Email: jbarton@waterboards.ca.gov
Phone Number: Not reported

Global Id: T0607700192
Contact Type: Local Agency Caseworker
Contact Name: HARLIN KNOLL
Organization Name: SAN JOAQUIN COUNTY LOP
Address: 1868 E HAZELTON AVE.
City: STOCKTON
Email: hknoll@sjcehd.com
Phone Number: Not reported

LUST:
Global Id: T0607700192
Action Type: ENFORCEMENT
Date: 10/02/2012
Action: File review

Global Id: T0607700192
Action Type: ENFORCEMENT
Date: 10/29/2012
Action: Technical Correspondence / Assistance / Other

Global Id: T0607700192
Action Type: ENFORCEMENT
Date: 02/01/2000
Action: Notification - Fee Title Owners Notice - #NA

Global Id: T0607700192
Action Type: ENFORCEMENT
Date: 02/01/2000
Action: Notification - Fee Title Owners Notice

Global Id: T0607700192
Action Type: ENFORCEMENT
Date: 05/16/2000
Action: Staff Letter

Global Id: T0607700192
Action Type: ENFORCEMENT
Date: 10/05/2009
Action: File review

Global Id: T0607700192
Action Type: REMEDIATION
Date: 01/01/1950
Action: Free Product Removal

Global Id: T0607700192

ARCO #6100 (Continued) **S101308500**

Action Type: ENFORCEMENT
Date: 01/14/1991
Action: Notice of Reimbursement

Global Id: T0607700192
Action Type: ENFORCEMENT
Date: 04/29/2010
Action: File review

Global Id: T0607700192
Action Type: ENFORCEMENT
Date: 08/07/1990
Action: Notification - Proposition 65

Global Id: T0607700192
Action Type: ENFORCEMENT
Date: 05/16/2000
Action: * Historical Enforcement

Global Id: T0607700192
Action Type: ENFORCEMENT
Date: 05/16/2000
Action: Staff Letter

Global Id: T0607700192
Action Type: ENFORCEMENT
Date: 05/16/2000
Action: Letter - Notice

Global Id: T0607700192
Action Type: ENFORCEMENT
Date: 02/02/2009
Action: File review

Global Id: T0607700192
Action Type: REMEDIATION
Date: 01/01/1950
Action: Soil Vapor Extraction (SVE)

Global Id: T0607700192
Action Type: REMEDIATION
Date: 01/01/1950
Action: Excavation

Global Id: T0607700192
Action Type: ENFORCEMENT
Date: 06/16/2010
Action: File review

Global Id: T0607700192
Action Type: Other
Date: 01/01/1950
Action: Leak Discovery

Global Id: T0607700192
Action Type: ENFORCEMENT
Date: 06/25/2007

ARCO #6100 (Continued) **S101308500**

Action: Technical Correspondence / Assistance / Other

Global Id: T0607700192
Action Type: Other
Date: 01/01/1950
Action: Leak Reported

Global Id: T0607700192
Action Type: ENFORCEMENT
Date: 09/11/2012
Action: Technical Correspondence / Assistance / Other

Global Id: T0607700192
Action Type: ENFORCEMENT
Date: 04/27/2011
Action: Technical Correspondence / Assistance / Other

Global Id: T0607700192
Action Type: ENFORCEMENT
Date: 06/09/2000
Action: Staff Letter

Global Id: T0607700192
Action Type: ENFORCEMENT
Date: 07/01/2009
Action: Staff Letter

LUST REG 5:
Region: 5
Status: Remedial action (cleanup) Underway
Case Number: 390265
Case Type: Other ground water affected
Substance: Not reported
Staff Initials: JLB
Lead Agency: Local
Program: LUST
MTBE Code: 4

W115 **ERNS 90171246**
WSW **25775 S. PATTERSON PASS** **N/A**
> 1 **TRACY, CA 95376**
1.657 mi.
8751 ft. **Site 3 of 3 in cluster W**

Relative:
Higher

Click this hyperlink while viewing on your computer to access additional ERNS detail in the EDR Site Report.

Actual:
317 ft.

116
SSE
> 1
1.676 mi.
8851 ft.

R & L BROSAMER INC
26820 HANSEN RD
TRACY, CA 95377

HAZNET **S109430579**
N/A

Relative:
Higher

Actual:
255 ft.

HAZNET:

Year:	2011
Gepaid:	CAC002621903
Contact:	DON EVANS
Telephone:	9256271700
Mailing Name:	Not reported
Mailing Address:	1777 OAKLAND BLVD STE 300
Mailing City,St,Zip:	WALNUT CREEK, CA 945964063
Gen County:	Not reported
TSD EPA ID:	CAD028409019
TSD County:	Not reported
Waste Category:	Unspecified oil-containing waste
Disposal Method:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.1251
Facility County:	San Joaquin

Year:	2011
Gepaid:	CAC002621903
Contact:	DON EVANS
Telephone:	9256271700
Mailing Name:	Not reported
Mailing Address:	1777 OAKLAND BLVD STE 300
Mailing City,St,Zip:	WALNUT CREEK, CA 945964063
Gen County:	Not reported
TSD EPA ID:	CAD028409019
TSD County:	Not reported
Waste Category:	Other organic solids
Disposal Method:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.075
Facility County:	San Joaquin

Year:	2011
Gepaid:	CAC002621903
Contact:	DON EVANS
Telephone:	9256271700
Mailing Name:	Not reported
Mailing Address:	1777 OAKLAND BLVD STE 300
Mailing City,St,Zip:	WALNUT CREEK, CA 945964063
Gen County:	Not reported
TSD EPA ID:	CAD028409019
TSD County:	Not reported
Waste Category:	Unspecified solvent mixture
Disposal Method:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.0432
Facility County:	San Joaquin

Year:	2011
Gepaid:	CAC002621903
Contact:	DON EVANS
Telephone:	9256271700

R & L BROSAMER INC (Continued) **S109430579**

Mailing Name:	Not reported
Mailing Address:	1777 OAKLAND BLVD STE 300
Mailing City,St,Zip:	WALNUT CREEK, CA 945964063
Gen County:	Not reported
TSD EPA ID:	CAD028409019
TSD County:	Not reported
Waste Category:	Unspecified aqueous solution
Disposal Method:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.0084
Facility County:	San Joaquin
Year:	2007
Gepaid:	CAC002621903
Contact:	DON EVANS
Telephone:	9256271700
Mailing Name:	Not reported
Mailing Address:	1777 OAKLAND BLVD STE 300
Mailing City,St,Zip:	WALNUT CREEK, CA 945964063
Gen County:	San Joaquin
TSD EPA ID:	CAL000161743
TSD County:	Santa Clara
Waste Category:	Waste oil and mixed oil
Disposal Method:	Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Tons:	0.68
Facility County:	San Joaquin

Click this hyperlink while viewing on your computer to access
1 additional CA_HAZNET: record(s) in the EDR Site Report.

X117 **OWENS BROCKWAY** **UST** **U004024498**
ESE **14700 W SCHULTE RD** **N/A**
> 1 **TRACY, CA 95377**
1.700 mi.
8975 ft. **Site 1 of 5 in cluster X**

Relative:
Lower

Actual:
127 ft.

UST SAN JOAQUIN:

Region:	SJ
Facility Id:	FA0006674
Mail Address:	14700 W SCHULTE RD
Mail Care of:	Not reported
Mail City,St,Zip:	TRACY, CA 95377
Tank Rec ID:	TA0503941
Tank Number:	1
Tank Status:	CLOSED
Tank Capacity:	27300
Product Code/Type:	1A/REGULAR UNLEADED
Program Element:	2380
Tank Rec ID:	TA0503942
Tank Number:	2
Tank Status:	CLOSED
Tank Capacity:	42000
Product Code/Type:	1A/REGULAR UNLEADED
Program Element:	2380

OWENS BROCKWAY (Continued) **U004024498**

Tank Rec ID: TA0503943
Tank Number: 3
Tank Status: CLOSED
Tank Capacity: 1460
Product Code/Type: 1A/REGULAR UNLEADED
Program Element: 2380

Tank Rec ID: TA0503944
Tank Number: 4
Tank Status: CLOSED
Tank Capacity: 450
Product Code/Type: 1A/REGULAR UNLEADED
Program Element: 2380

X118 **OWENS-BROCKWAY GLASS CONTAINER FACILITY**** **SLIC** **S106230473**
ESE **14700 SHULTE RD W** **N/A**
> 1 **TRACY, CA**
1.700 mi.
8975 ft. **Site 2 of 5 in cluster X**

Relative:
Lower

Actual:
127 ft.

SLIC REG 5:
Region: 5
Facility Status: Preliminary Assessment
Unit: Facility is a Spill or site
Pollutant: TPH
Lead Agency: Not reported
Date Filed: 10/04/02
Report Date: / /
Date Added: Not reported
Date Closed: Not reported

X119 **OWENS BROCKWAY** **AST** **A100338183**
ESE **14700 W SCHULTE** **N/A**
> 1 **TRACY, CA 95377**
1.700 mi.
8975 ft. **Site 3 of 5 in cluster X**

Relative:
Lower

Actual:
127 ft.

AST:
Owner: OWENS BROCKWAY
Total Gallons: 2,078
Certified Unified Program Agencies: San Joaquin

X120 **ERNS** **91218763**
ESE **14700 SCHULTE RD** **N/A**
> 1 **TRACY, CA 95376**
1.700 mi.
8975 ft. **Site 4 of 5 in cluster X**

Relative:
Lower

Actual:
127 ft.

Click this hyperlink while viewing on your computer to access additional ERNS detail in the EDR Site Report.

X121
ESE
> 1
1.700 mi.
8975 ft.

14700 W. SCHULTE RD
TRACY, CA 95376

Site 5 of 5 in cluster X

ERNS **92274895**
N/A

Relative:
Lower

Actual:
127 ft.

Click this hyperlink while viewing on your computer to access additional ERNS detail in the EDR Site Report.

122
West
> 1
1.730 mi.
9137 ft.

SANTA FE MINERALS

SAN JOAQUIN (County), CA

UIC **S111647624**
N/A

Relative:
Higher

Actual:
292 ft.

UIC:

API Number:	07720430
Confidential Well:	N
Well Number:	1
Lease Name:	Nola
Well Located On A BLW Lease:	N
Field Name:	Any Field
Area Name:	Any Area
Section:	29
Township:	02S
Range:	04E
Base And Meridian; Part Of The PLSS:	MD
Elevation:	Not reported
Location Desc:	Not reported
Latitude:	37.73224
Longitude:	-121.5528
GIS Source Code:	hud
Comments:	Status Code 006

Y123
SSE
> 1
1.748 mi.
9231 ft.

CONCRETE PRODUCTS, INC.
26901 HANSEN ROAD
TRACY, CA

Site 1 of 3 in cluster Y

EMI **S106920657**
N/A

Relative:
Higher

Actual:
263 ft.

EMI:

Year:	2003
County Code:	39
Air Basin:	SJV
Facility ID:	3448
Air District Name:	SJU
SIC Code:	3272
Air District Name:	SAN JOAQUIN VALLEY UNIFIED APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	1
Reactive Organic Gases Tons/Yr:	1
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0
Year:	2005

CONCRETE PRODUCTS, INC. (Continued) **S106920657**

County Code:	39
Air Basin:	SJV
Facility ID:	3448
Air District Name:	SJU
SIC Code:	3272
Air District Name:	SAN JOAQUIN VALLEY UNIFIED APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	1.648760330578512396
Reactive Organic Gases Tons/Yr:	1.596
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

Y124 **CONCRETE PRODUCTS, INC.** **FINDS** **1007466672**
SSE **26901 HANSEN ROAD** **N/A**
> 1 **TRACY, CA 95377**
1.748 mi.
9231 ft. **Site 2 of 3 in cluster Y**

Relative:
Higher

Actual:
263 ft.

FINDS:

Registry ID: 110017398733

Environmental Interest/Information System

The NEI (National Emissions Inventory) database contains information on stationary and mobile sources that emit criteria air pollutants and their precursors, as well as hazardous air pollutants (HAPs).

CRITERIA AND HAZARDOUS AIR POLLUTANT INVENTORY

US EPA RACT/BACT/LAER Clearinghouse (RBLC) database contains case-specific information on the "Best Available" air pollution technologies that have been required to reduce the emission of air pollutants from stationary sources (e.g., power plants, steel mills, chemical plants, etc.). RACT, or Reasonably Available Control Technology, is required on existing sources in areas that are not meeting national ambient air quality standards. BACT, or Best Available Control Technology, is required on major new or modified sources in clean areas. LAER, or Lowest Achievable Emission Rate, is required on major new or modified sources in non-attainment areas.

Y125 **CONCRETE PRODUCTS INC** **EMI** **S109281218**
SSE **26901 HANSEN RD.** **N/A**
> 1 **TRACY, CA 95376**
1.748 mi.
9231 ft. **Site 3 of 3 in cluster Y**

Relative:
Higher

Actual:
263 ft.

EMI:

Year:	2006
County Code:	39
Air Basin:	SJV
Facility ID:	3448

CONCRETE PRODUCTS INC (Continued) **S109281218**

Air District Name:	SJU
SIC Code:	3272
Air District Name:	SAN JOAQUIN VALLEY UNIFIED APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	1.683951058884297520
Reactive Organic Gases Tons/Yr:	1.630064625
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

Year:	2007
County Code:	39
Air Basin:	SJV
Facility ID:	3448
Air District Name:	SJU
SIC Code:	3272
Air District Name:	SAN JOAQUIN VALLEY UNIFIED APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	1.648760330578512396
Reactive Organic Gases Tons/Yr:	1.596
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

Year:	2007
County Code:	39
Air Basin:	SJV
Facility ID:	3448
Air District Name:	SJU
SIC Code:	3272
Air District Name:	SAN JOAQUIN VALLEY UNIFIED APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	1.648760330578512396
Reactive Organic Gases Tons/Yr:	1.596
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

126
West
> 1
1.769 mi.
9338 ft.

LOCATED ON HOLDEN FARM APPROX. 1/2 MI. S OF I-205 - AGRICULT **FINDS** **1007998703**
24371 PATTERSON PASS ROAD **N/A**
TRACY, CA 95377

Relative:
Higher

Actual:
267 ft.

FINDS:

Registry ID: 110020812272

Environmental Interest/Information System

LOCATED ON HOLDEN FARM APPROX. 1/2 MI. S OF I-205 - AGRICULT (Continued) **1007998703**

US EPA Air Quality System (AQS) contains ambient air pollution data collected by EPA, State, Local, and Tribal air pollution control agencies from thousands of monitoring stations.

127
North
> 1
1.801 mi.
9508 ft.

PG & E **HAZNET** **S108216798**
16895 GRANT LINE RD **N/A**
TRACY, CA 95304

Relative:
Lower

Actual:
58 ft.

HAZNET:

Year:	2005
Gepaid:	CAC002585796
Contact:	ERICH NOLAN
Telephone:	2099421566
Mailing Name:	Not reported
Mailing Address:	PO BOX 930
Mailing City,St,Zip:	STOCKTON, CA 95201
Gen County:	San Joaquin
TSD EPA ID:	CAT000646117
TSD County:	Kings
Waste Category:	Contaminated soil from site clean-up
Disposal Method:	Disposal, Land Fill
Tons:	15.17
Facility County:	Not reported

128
NNW
> 1
1.809 mi.
9554 ft.

BRUCE & JOANNE KIMBROUGH **HIST CORTESE** **S105027096**
17529 GRANT LINE **N/A**
TRACY, CA 95376

Relative:
Lower

Actual:
79 ft.

CORTESE:

Region:	CORTESE
Facility County Code:	39
Reg By:	WBC&D
Reg Id:	5B395162N01

129
North
> 1
1.818 mi.
9599 ft.

DMC CA INTERTIE PUMPING PLANT PROJECT **NPDES** **S110732987**
17601 WEST GRANT LINE ROAD **N/A**
TRACY, CA 95391

Relative:
Lower

Actual:
73 ft.

NPDES:

Npdes Number:	CAS000002
Facility Status:	Active
Agency Id:	0
Region:	5S
Regulatory Measure Id:	407719
Order No:	2009-0009-DWQ
Regulatory Measure Type:	Enrollee
Place Id:	Not reported
WDID:	5S01C359652

DMC CA INTERTIE PUMPING PLANT PROJECT (Continued) **S110732987**

Program Type:	Construction
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	10/06/2010
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Department of Interior Bureau of Reclamation
Discharge Address:	1243 N Street
Discharge City:	Fresno
Discharge State:	California
Discharge Zip:	93721

---

130 **AT&T MOBILITY** **EMI** **S110501518**
NNE **16163 W GRANT LINE RD** **N/A**
> 1 **TRACY, CA 95304**
1.902 mi.
10042 ft.

Relative:
Lower

Actual:
48 ft.

EMI:

Year:	2007
County Code:	39
Air Basin:	SJV
Facility ID:	7694
Air District Name:	SJU
SIC Code:	4812
Air District Name:	SAN JOAQUIN VALLEY UNIFIED APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	.0124814001586556892
Reactive Organic Gases Tons/Yr:	.00114079997450113
Carbon Monoxide Emissions Tons/Yr:	.0506647988675535
NOX - Oxides of Nitrogen Tons/Yr:	.0221375995051861
SOX - Oxides of Sulphur Tons/Yr:	.0000279999993741512
Particulate Matter Tons/Yr:	.0004024144779268641
Part. Matter 10 Micrometers & Smllr Tons/Yr:	.000399999991059303

Z131 **THERMAL ENERGY DEVELOPMENT PARTNERSHIP LP (TRACY BIOMASS PLA** **HAZNET** **S105940010**
ESE **14800 W SCHULTE RD** **EMI** **N/A**
> 1 **TRACY, CA 95377**
1.927 mi.
10173 ft. **Site 1 of 5 in cluster Z**

Relative:
Lower

Actual:
127 ft.

HAZNET:

Year:	2011
Gepaid:	CAL000316973
Contact:	GREG MYERS
Telephone:	2098356914
Mailing Name:	Not reported
Mailing Address:	14800 W SCHULTE RD
Mailing City,St,Zip:	TRACY, CA 953770000
Gen County:	Not reported
TSD EPA ID:	ARD069748192
TSD County:	Not reported
Waste Category:	Liquids with pH <= 2
Disposal Method:	Incineration--Thermal Destruction Other Than Use As A Fuel
Tons:	0.015
Facility County:	San Joaquin

THERMAL ENERGY DEVELOPMENT PARTNERSHIP LP (TRACY BIOMASS PLA (Continued) **S105940010**

Year: 2011
Gepaid: CAL000316973
Contact: GREG MYERS
Telephone: 2098356914
Mailing Name: Not reported
Mailing Address: 14800 W SCHULTE RD
Mailing City,St,Zip: TRACY, CA 953770000
Gen County: Not reported
TSD EPA ID: CAD059494310
TSD County: Not reported
Waste Category: Waste oil and mixed oil
Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 1.0325
Facility County: San Joaquin

Year: 2011
Gepaid: CAL000316973
Contact: GREG MYERS
Telephone: 2098356914
Mailing Name: Not reported
Mailing Address: 14800 W SCHULTE RD
Mailing City,St,Zip: TRACY, CA 953770000
Gen County: Not reported
TSD EPA ID: CAD059494310
TSD County: Not reported
Waste Category: Unspecified oil-containing waste
Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.3
Facility County: San Joaquin

Year: 2010
Gepaid: CAL000316973
Contact: GREG MYERS
Telephone: 2098356914
Mailing Name: Not reported
Mailing Address: 14800 W SCHULTE RD
Mailing City,St,Zip: TRACY, CA 953770000
Gen County: Not reported
TSD EPA ID: CAD980675276
TSD County: Not reported
Waste Category: Oil/water separation sludge
Disposal Method: Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Tons: 0.275
Facility County: San Joaquin

Year: 2010
Gepaid: CAL000316973
Contact: GREG MYERS
Telephone: 2098356914
Mailing Name: Not reported
Mailing Address: 14800 W SCHULTE RD
Mailing City,St,Zip: TRACY, CA 953770000
Gen County: Not reported
TSD EPA ID: CAD059494310

THERMAL ENERGY DEVELOPMENT PARTNERSHIP LP (TRACY BIOMASS PLA (Continued) **S105940010**

TSD County: Not reported
Waste Category: Unspecified oil-containing waste
Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.35
Facility County: San Joaquin

Click this hyperlink while viewing on your computer to access
16 additional CA_HAZNET: record(s) in the EDR Site Report.

EMI:

Year:	1996
County Code:	39
Air Basin:	SJV
Facility ID:	1026
Air District Name:	SJU
SIC Code:	4911
Air District Name:	SAN JOAQUIN VALLEY UNIFIED APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	1
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	144
NOX - Oxides of Nitrogen Tons/Yr:	75
SOX - Oxides of Sulphur Tons/Yr:	15
Particulate Matter Tons/Yr:	43
Part. Matter 10 Micrometers & Smllr Tons/Yr:	35

Year:	1997
County Code:	39
Air Basin:	SJV
Facility ID:	1026
Air District Name:	SJU
SIC Code:	4911
Air District Name:	SAN JOAQUIN VALLEY UNIFIED APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	1
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	144
NOX - Oxides of Nitrogen Tons/Yr:	75
SOX - Oxides of Sulphur Tons/Yr:	15
Particulate Matter Tons/Yr:	43
Part. Matter 10 Micrometers & Smllr Tons/Yr:	35

Year:	1998
County Code:	39
Air Basin:	SJV
Facility ID:	1026
Air District Name:	SJU
SIC Code:	4911
Air District Name:	SAN JOAQUIN VALLEY UNIFIED APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	1
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	168

THERMAL ENERGY DEVELOPMENT PARTNERSHIP LP (TRACY BIOMASS PLA (Continued) **S105940010**

NOX - Oxides of Nitrogen Tons/Yr:	87
SOX - Oxides of Sulphur Tons/Yr:	18
Particulate Matter Tons/Yr:	49
Part. Matter 10 Micrometers & Smllr Tons/Yr:	17
Year:	1999
County Code:	39
Air Basin:	SJV
Facility ID:	1026
Air District Name:	SJU
SIC Code:	4911
Air District Name:	SAN JOAQUIN VALLEY UNIFIED APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	1
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	179
NOX - Oxides of Nitrogen Tons/Yr:	92
SOX - Oxides of Sulphur Tons/Yr:	19
Particulate Matter Tons/Yr:	52
Part. Matter 10 Micrometers & Smllr Tons/Yr:	17
Year:	2000
County Code:	39
Air Basin:	SJV
Facility ID:	1026
Air District Name:	SJU
SIC Code:	4911
Air District Name:	SAN JOAQUIN VALLEY UNIFIED APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	1
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	189
NOX - Oxides of Nitrogen Tons/Yr:	98
SOX - Oxides of Sulphur Tons/Yr:	20
Particulate Matter Tons/Yr:	53
Part. Matter 10 Micrometers & Smllr Tons/Yr:	18
Year:	2001
County Code:	39
Air Basin:	SJV
Facility ID:	1026
Air District Name:	SJU
SIC Code:	4911
Air District Name:	SAN JOAQUIN VALLEY UNIFIED APCD
Community Health Air Pollution Info System:	Y
Consolidated Emission Reporting Rule:	B
Total Organic Hydrocarbon Gases Tons/Yr:	1
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	210
NOX - Oxides of Nitrogen Tons/Yr:	108
SOX - Oxides of Sulphur Tons/Yr:	22
Particulate Matter Tons/Yr:	58
Part. Matter 10 Micrometers & Smllr Tons/Yr:	50
Year:	2004

THERMAL ENERGY DEVELOPMENT PARTNERSHIP LP (TRACY BIOMASS PLA (Continued) **S105940010**

County Code:	39
Air Basin:	SJV
Facility ID:	1026
Air District Name:	SJU
SIC Code:	4911
Air District Name:	SAN JOAQUIN VALLEY UNIFIED APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	1.058208001
Reactive Organic Gases Tons/Yr:	0.465839885
Carbon Monoxide Emissions Tons/Yr:	234.840085
NOX - Oxides of Nitrogen Tons/Yr:	121.6809
SOX - Oxides of Sulphur Tons/Yr:	24.362106
Particulate Matter Tons/Yr:	64.7786076
Part. Matter 10 Micrometers & Smllr Tons/Yr:	55.37719971

Year:	2005
County Code:	39
Air Basin:	SJV
Facility ID:	1026
Air District Name:	SJU
SIC Code:	4911
Air District Name:	SAN JOAQUIN VALLEY UNIFIED APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	184.8372299981340766
NOX - Oxides of Nitrogen Tons/Yr:	95.467259992618118
SOX - Oxides of Sulphur Tons/Yr:	19.18368900000751018
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

Year:	2006
County Code:	39
Air Basin:	SJV
Facility ID:	1026
Air District Name:	SJU
SIC Code:	4911
Air District Name:	SAN JOAQUIN VALLEY UNIFIED APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	.5966391669095136290
Reactive Organic Gases Tons/Yr:	.26575982941347542
Carbon Monoxide Emissions Tons/Yr:	140.2750412644756324
NOX - Oxides of Nitrogen Tons/Yr:	108.1936237066579219
SOX - Oxides of Sulphur Tons/Yr:	10.79715250996449887
Particulate Matter Tons/Yr:	21.68871550469735757
Part. Matter 10 Micrometers & Smllr Tons/Yr:	21.32792802854161917

Year:	2007
County Code:	39
Air Basin:	SJV
Facility ID:	1026
Air District Name:	SJU
SIC Code:	4911
Air District Name:	SAN JOAQUIN VALLEY UNIFIED APCD

THERMAL ENERGY DEVELOPMENT PARTNERSHIP LP (TRACY BIOMASS PLA (Continued) **S105940010**

Community Health Air Pollution Info System:	Y
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	1.314628328510431631
Reactive Organic Gases Tons/Yr:	.57901640010555088
Carbon Monoxide Emissions Tons/Yr:	95.34468260107383159
NOX - Oxides of Nitrogen Tons/Yr:	113.5845876021243634
SOX - Oxides of Sulphur Tons/Yr:	19.14139593000704794
Particulate Matter Tons/Yr:	3.061386150760343520
Part. Matter 10 Micrometers & Smllr Tons/Yr:	2.788695827557009657
Year:	2007
County Code:	39
Air Basin:	SJV
Facility ID:	1026
Air District Name:	SJU
SIC Code:	4911
Air District Name:	SAN JOAQUIN VALLEY UNIFIED APCD
Community Health Air Pollution Info System:	Y
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	1.785654178370045194
Reactive Organic Gases Tons/Yr:	.78684975236025181
Carbon Monoxide Emissions Tons/Yr:	69.63178802201651786
NOX - Oxides of Nitrogen Tons/Yr:	107.4263119663496361
SOX - Oxides of Sulphur Tons/Yr:	15.20338999681124632
Particulate Matter Tons/Yr:	2.825438470935110942
Part. Matter 10 Micrometers & Smllr Tons/Yr:	2.57812587619862132

Z132 **THERMAL ENERGY DEVELOPMENT CORP** **FINDS** **1004441250**
ESE **14800 W SCHULTE RD** **US AIRS** **N/A**
> 1 **TRACY, CA 95378**
1.927 mi.
10173 ft. **Site 2 of 5 in cluster Z**

Relative:
Lower

Actual:
127 ft.

FINDS:

Registry ID: 110000511893

Environmental Interest/Information System

AFS (Aerometric Information Retrieval System (AIRS) Facility Subsystem) replaces the former Compliance Data System (CDS), the National Emission Data System (NEDS), and the Storage and Retrieval of Aerometric Data (SAROAD). AIRS is the national repository for information concerning airborne pollution in the United States. AFS is used to track emissions and compliance data from industrial plants. AFS data are utilized by states to prepare State Implementation Plans to comply with regulatory programs and by EPA as an input for the estimation of total national emissions. AFS is undergoing a major redesign to support facility operating permits required under Title V of the Clean Air Act.

The NEI (National Emissions Inventory) database contains information on stationary and mobile sources that emit criteria air pollutants and their precursors, as well as hazardous air pollutants (HAPs).

US Emissions & Generation Resource Database (EGRID) contains data on emissions and resource mix for virtually every power plant and company that generates electricity in the United States.

THERMAL ENERGY DEVELOPMENT CORP (Continued) **1004441250**

ELECTRIC GENERATOR

US EPA Risk Management Plan (RMP) database stores the risk management plans reported by companies that handle, manufacture, use, or store certain flammable or toxic substances, as required under section 112(r) of the Clean Air Act (CAA).

AIRS (AFS):

Compliance and Violation Data Major Sources:

EPA plant ID:	110041890255
Plant name:	THERMAL ENERGY DEVELOPMENT CORP
Plant address:	14800 W SCHULTE RD TRACY, CA 95378
County:	SAN JOAQUIN
Region code:	09
Dunn & Bradst #:	Not reported
Air quality cntrl region:	031
Sic code:	4911
Sic code desc:	ELECTRIC SERVICES
North Am. industrial classf:	221122
NAIC code description:	Electric Power Distribution
Default compliance status:	IN COMPLIANCE - INSPECTION
Default classification:	ACTUAL OR POTENTIAL EMISSIONS ARE ABOVE THE APPLICABLE MAJOR SOURCE THRESHOLDS
Govt facility:	ALL OTHER FACILITIES NOT OWNED OR OPERATED BY A FEDERAL, STATE, OR LOCAL GOVERNMENT
Current HPV:	Not reported

Compliance and Enforcement Major Issues:

Air program:	TITLE V PERMITS
National action type:	MULTI MEDIA INSPECTION - LEVEL 2 OR GREATER
Date achieved:	000215
Penalty amount:	000000000
Air program:	SIP SOURCE
National action type:	MULTI MEDIA INSPECTION - LEVEL 2 OR GREATER
Date achieved:	000215
Penalty amount:	000000000
Air program:	TITLE V PERMITS
National action type:	MULTI MEDIA INSPECTION - LEVEL 2 OR GREATER
Date achieved:	010531
Penalty amount:	000000000
Air program:	SIP SOURCE
National action type:	MULTI MEDIA INSPECTION - LEVEL 2 OR GREATER
Date achieved:	010531
Penalty amount:	000000000
Air program:	TITLE V PERMITS
National action type:	NXXXXX
Date achieved:	011231
Penalty amount:	Not reported

THERMAL ENERGY DEVELOPMENT CORP (Continued) **1004441250**

Air program: TITLE V PERMITS
National action type: STATE DAY 0
Date achieved: 011231
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: STATE DAY 0
Date achieved: 020404
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: NXXXXX
Date achieved: 020404
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 020617
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: NXXXXX
Date achieved: 030116
Penalty amount: 000002400

Air program: TITLE V PERMITS
National action type: SV RESOLVED
Date achieved: 030210
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: COMPLIANCE CERTIFICATION STATE REVIEW
Date achieved: 030331
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: STATE DAY 0
Date achieved: 030407
Penalty amount: Not reported

Air program: SIP SOURCE
National action type: NXXXXX
Date achieved: 030407
Penalty amount: Not reported

Air program: SIP SOURCE
National action type: STATE DAY 0
Date achieved: 030407
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: NXXXXX
Date achieved: 030407
Penalty amount: Not reported

Air program: SIP SOURCE
National action type: OWNER/OPERATOR CONDUCTED SOURCE TEST

THERMAL ENERGY DEVELOPMENT CORP (Continued) **1004441250**

Date achieved: 030529
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: OWNER/OPERATOR CONDUCTED SOURCE TEST
Date achieved: 030529
Penalty amount: Not reported

Air program: SIP SOURCE
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 030804
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: STATE CONDUCTED FCE / ON-SITE
Date achieved: 030804
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 030804
Penalty amount: Not reported

Air program: SIP SOURCE
National action type: STATE CONDUCTED FCE / ON-SITE
Date achieved: 030804
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: NXXXXX
Date achieved: 031021
Penalty amount: 000001200

Air program: TITLE V PERMITS
National action type: SV RESOLVED
Date achieved: 031103
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: NXXXXX
Date achieved: 040212
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: STATE DAY 0
Date achieved: 040212
Penalty amount: Not reported

Air program: SIP SOURCE
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 040309
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 040309
Penalty amount: Not reported

THERMAL ENERGY DEVELOPMENT CORP (Continued) **1004441250**

Air program: SIP SOURCE
National action type: STATE DAY 0
Date achieved: 040320
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: NXXXXX
Date achieved: 040320
Penalty amount: Not reported

Air program: SIP SOURCE
National action type: NXXXXX
Date achieved: 040320
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: STATE DAY 0
Date achieved: 040320
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: OWNER/OPERATOR CONDUCTED SOURCE TEST
Date achieved: 040331
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: NXXXXX
Date achieved: 040510
Penalty amount: 000004800

Air program: TITLE V PERMITS
National action type: SV RESOLVED
Date achieved: 040521
Penalty amount: Not reported

Air program: SIP SOURCE
National action type: STATE CONDUCTED FCE / ON-SITE
Date achieved: 040615
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: COMPLIANCE CERTIFICATION STATE REVIEW
Date achieved: 040615
Penalty amount: Not reported

Air program: SIP SOURCE
National action type: COMPLIANCE CERTIFICATION STATE REVIEW
Date achieved: 040615
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: STATE CONDUCTED FCE / ON-SITE
Date achieved: 040615
Penalty amount: Not reported

Air program: SIP SOURCE
National action type: NXXXXX

THERMAL ENERGY DEVELOPMENT CORP (Continued) **1004441250**

Date achieved: 040621
Penalty amount: Not reported

Air program: SIP SOURCE
National action type: STATE DAY 0
Date achieved: 040621
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: NXXXXX
Date achieved: 040621
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: STATE DAY 0
Date achieved: 040621
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: NXXXXX
Date achieved: 040630
Penalty amount: 000001200

Air program: SIP SOURCE
National action type: NXXXXX
Date achieved: 040630
Penalty amount: 000001200

Air program: SIP SOURCE
National action type: SV RESOLVED
Date achieved: 040719
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: SV RESOLVED
Date achieved: 040719
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: STATE DAY 0
Date achieved: 040721
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: NXXXXX
Date achieved: 040721
Penalty amount: Not reported

Air program: SIP SOURCE
National action type: STATE DAY 0
Date achieved: 040721
Penalty amount: Not reported

Air program: SIP SOURCE
National action type: NXXXXX
Date achieved: 040721
Penalty amount: Not reported

THERMAL ENERGY DEVELOPMENT CORP (Continued) **1004441250**

Air program: TITLE V PERMITS
National action type: NXXXXX
Date achieved: 040914
Penalty amount: 000004800

Air program: SIP SOURCE
National action type: NXXXXX
Date achieved: 040914
Penalty amount: 000004800

Air program: TITLE V PERMITS
National action type: SV RESOLVED
Date achieved: 040930
Penalty amount: Not reported

Air program: SIP SOURCE
National action type: SV RESOLVED
Date achieved: 040930
Penalty amount: Not reported

Air program: SIP SOURCE
National action type: NXXXXX
Date achieved: 041016
Penalty amount: Not reported

Air program: SIP SOURCE
National action type: STATE DAY 0
Date achieved: 041016
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: NXXXXX
Date achieved: 041016
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: STATE DAY 0
Date achieved: 041016
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: COMPLIANCE CERTIFICATION EPA REVIEW
Date achieved: 041020
Penalty amount: Not reported

Air program: SIP SOURCE
National action type: STATE DAY 0
Date achieved: 050316
Penalty amount: Not reported

Air program: SIP SOURCE
National action type: NXXXXX
Date achieved: 050316
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: STATE CONDUCTED PCE/ ON-SITE

THERMAL ENERGY DEVELOPMENT CORP (Continued) **1004441250**

Date achieved: 050316
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: NXXXXX
Date achieved: 050316
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: STATE DAY 0
Date achieved: 050316
Penalty amount: Not reported

Air program: SIP SOURCE
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 050316
Penalty amount: Not reported

Air program: SIP SOURCE
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 050317
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 050317
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: COMPLIANCE CERTIFICATION STATE REVIEW
Date achieved: 050317
Penalty amount: Not reported

Air program: SIP SOURCE
National action type: STATE INVESTIGATION CONDUCTED
Date achieved: 050406
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: STATE INVESTIGATION CONDUCTED
Date achieved: 050406
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: STATE CONDUCTED FCE / ON-SITE
Date achieved: 050406
Penalty amount: Not reported

Air program: SIP SOURCE
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 050419
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 050419
Penalty amount: Not reported

THERMAL ENERGY DEVELOPMENT CORP (Continued) **1004441250**

Air program: TITLE V PERMITS
National action type: NXXXXX
Date achieved: 050512
Penalty amount: 000002400

Air program: SIP SOURCE
National action type: NXXXXX
Date achieved: 050512
Penalty amount: 000002400

Air program: TITLE V PERMITS
National action type: SV RESOLVED
Date achieved: 050601
Penalty amount: Not reported

Air program: SIP SOURCE
National action type: SV RESOLVED
Date achieved: 050601
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: NXXXXX
Date achieved: 050822
Penalty amount: 000001200

Air program: SIP SOURCE
National action type: NXXXXX
Date achieved: 050822
Penalty amount: 000001200

Air program: SIP SOURCE
National action type: SV RESOLVED
Date achieved: 050901
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: SV RESOLVED
Date achieved: 050901
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 051011
Penalty amount: Not reported

Air program: SIP SOURCE
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 051011
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 060109
Penalty amount: Not reported

Air program: SIP SOURCE
National action type: STATE CONDUCTED PCE/ ON-SITE

THERMAL ENERGY DEVELOPMENT CORP (Continued) **1004441250**

Date achieved: 060109
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: TITLE V COMPLIANCE CERT DUE/RECEIVED BY
Date achieved: 060127
Penalty amount: Not reported

Air program: SIP SOURCE
National action type: STATE CONDUCTED FCE / ON-SITE
Date achieved: 060301
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: STATE CONDUCTED FCE / ON-SITE
Date achieved: 060301
Penalty amount: Not reported

Air program: SIP SOURCE
National action type: NXXXXX
Date achieved: 060306
Penalty amount: 000011137

Air program: TITLE V PERMITS
National action type: NXXXXX
Date achieved: 060306
Penalty amount: 000011137

Air program: TITLE V PERMITS
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 060313
Penalty amount: Not reported

Air program: SIP SOURCE
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 060313
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: STATE DAY 0
Date achieved: 060313
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: SV RESOLVED
Date achieved: 060321
Penalty amount: Not reported

Air program: SIP SOURCE
National action type: SV RESOLVED
Date achieved: 060321
Penalty amount: Not reported

Air program: SIP SOURCE
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 060828
Penalty amount: Not reported

THERMAL ENERGY DEVELOPMENT CORP (Continued) **1004441250**

Air program: TITLE V PERMITS
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 060828
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 060920
Penalty amount: Not reported

Air program: SIP SOURCE
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 060920
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: NXXXXX
Date achieved: 060925
Penalty amount: Not reported

Air program: SIP SOURCE
National action type: STATE INVESTIGATION CONDUCTED
Date achieved: 061101
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: STATE INVESTIGATION CONDUCTED
Date achieved: 061101
Penalty amount: Not reported

Air program: SIP SOURCE
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 061213
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 061213
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: NXXXXX
Date achieved: 061218
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: NXXXXX
Date achieved: 061218
Penalty amount: 000016879

Air program: TITLE V PERMITS
National action type: STATE DAY 0
Date achieved: 061230
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: SV RESOLVED

THERMAL ENERGY DEVELOPMENT CORP (Continued) **1004441250**

Date achieved: 070110
Penalty amount: Not reported

Air program: SIP SOURCE
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 070118
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 070118
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: NXXXXX
Date achieved: 070118
Penalty amount: Not reported

Air program: SIP SOURCE
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 070124
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 070124
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: TITLE V COMPLIANCE CERT DUE/RECEIVED BY
Date achieved: 070130
Penalty amount: Not reported

Air program: SIP SOURCE
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 070201
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 070201
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 070321
Penalty amount: Not reported

Air program: SIP SOURCE
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 070321
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: NXXXXX
Date achieved: 070323
Penalty amount: 000000600

THERMAL ENERGY DEVELOPMENT CORP (Continued) **1004441250**

Air program: TITLE V PERMITS
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 070404
Penalty amount: Not reported

Air program: SIP SOURCE
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 070404
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: SV RESOLVED
Date achieved: 070404
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: COMPLIANCE CERTIFICATION STATE REVIEW
Date achieved: 070419
Penalty amount: Not reported

Air program: SIP SOURCE
National action type: COMPLIANCE CERTIFICATION STATE REVIEW
Date achieved: 070419
Penalty amount: Not reported

Air program: SIP SOURCE
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 070518
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 070518
Penalty amount: Not reported

Air program: SIP SOURCE
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 070904
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 070904
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: STATE CONDUCTED FCE / ON-SITE
Date achieved: 070904
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 071016
Penalty amount: Not reported

Air program: SIP SOURCE
National action type: STATE CONDUCTED PCE/ ON-SITE

THERMAL ENERGY DEVELOPMENT CORP (Continued) **1004441250**

Date achieved: 071016
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 071227
Penalty amount: Not reported

Air program: SIP SOURCE
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 071227
Penalty amount: Not reported

Air program: SIP SOURCE
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 080124
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 080124
Penalty amount: Not reported

Air program: SIP SOURCE
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 080129
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 080129
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: TITLE V COMPLIANCE CERT DUE/RECEIVED BY
Date achieved: 080219
Penalty amount: Not reported

Air program: SIP SOURCE
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 080320
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 080320
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: STATE CONDUCTED FCE / OFF-SITE
Date achieved: 080320
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: STATE DAY 0
Date achieved: 080330
Penalty amount: Not reported

THERMAL ENERGY DEVELOPMENT CORP (Continued) **1004441250**

Air program: SIP SOURCE
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 080331
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 080331
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 080401
Penalty amount: Not reported

Air program: SIP SOURCE
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 080401
Penalty amount: Not reported

Air program: SIP SOURCE
National action type: COMPLIANCE CERTIFICATION STATE REVIEW
Date achieved: 080408
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: COMPLIANCE CERTIFICATION STATE REVIEW
Date achieved: 080408
Penalty amount: Not reported

Air program: SIP SOURCE
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 080417
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 080417
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 080502
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: STATE DAY 0
Date achieved: 080502
Penalty amount: Not reported

Air program: SIP SOURCE
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 080502
Penalty amount: Not reported

Air program: SIP SOURCE
National action type: STATE CONDUCTED PCE/ ON-SITE

THERMAL ENERGY DEVELOPMENT CORP (Continued) **1004441250**

Date achieved: 080515
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: NXXXXX
Date achieved: 080515
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 080515
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: STATE DAY 0
Date achieved: 080520
Penalty amount: Not reported

Air program: SIP SOURCE
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 080603
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 080603
Penalty amount: Not reported

Air program: SIP SOURCE
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 080710
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: NXXXXX
Date achieved: 080710
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 080710
Penalty amount: Not reported

Air program: SIP SOURCE
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 080715
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 080715
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: NXXXXX
Date achieved: 080716
Penalty amount: Not reported

THERMAL ENERGY DEVELOPMENT CORP (Continued) **1004441250**

Air program: TITLE V PERMITS
National action type: NXXXXX
Date achieved: 080827
Penalty amount: 000000900

Air program: TITLE V PERMITS
National action type: NXXXXX
Date achieved: 080827
Penalty amount: 000001350

Air program: SIP SOURCE
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 080923
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 080923
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 080929
Penalty amount: Not reported

Air program: SIP SOURCE
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 080929
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: NXXXXX
Date achieved: 081027
Penalty amount: 000006600

Air program: TITLE V PERMITS
National action type: STATE DAY 0
Date achieved: 081027
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 081106
Penalty amount: Not reported

Air program: SIP SOURCE
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 081106
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: NXXXXX
Date achieved: 081106
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: STATE CONDUCTED PCE/ ON-SITE

THERMAL ENERGY DEVELOPMENT CORP (Continued) **1004441250**

Date achieved: 081209
Penalty amount: Not reported

Air program: SIP SOURCE
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 081209
Penalty amount: Not reported

Air program: SIP SOURCE
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 081210
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 081210
Penalty amount: Not reported

Air program: SIP SOURCE
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 081223
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 081223
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: SV RESOLVED
Date achieved: 081226
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 090105
Penalty amount: Not reported

Air program: SIP SOURCE
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 090105
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: NXXXXX
Date achieved: 090129
Penalty amount: 000000900

Air program: TITLE V PERMITS
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 090206
Penalty amount: Not reported

Air program: SIP SOURCE
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 090206
Penalty amount: Not reported

THERMAL ENERGY DEVELOPMENT CORP (Continued) **1004441250**

Air program: TITLE V PERMITS
National action type: SV RESOLVED
Date achieved: 090217
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 090219
Penalty amount: Not reported

Air program: SIP SOURCE
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 090219
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: TITLE V COMPLIANCE CERT DUE/RECEIVED BY
Date achieved: 090219
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 090305
Penalty amount: Not reported

Air program: SIP SOURCE
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 090305
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: COMPLIANCE CERTIFICATION STATE REVIEW
Date achieved: 090310
Penalty amount: Not reported

Air program: SIP SOURCE
National action type: COMPLIANCE CERTIFICATION STATE REVIEW
Date achieved: 090310
Penalty amount: Not reported

Air program: SIP SOURCE
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 090311
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 090311
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: STATE CONDUCTED FCE / OFF-SITE
Date achieved: 090721
Penalty amount: Not reported

Air program: SIP SOURCE
National action type: STATE CONDUCTED PCE/ ON-SITE

THERMAL ENERGY DEVELOPMENT CORP (Continued) **1004441250**

Date achieved: 090721
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 090721
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 090723
Penalty amount: Not reported

Air program: SIP SOURCE
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 090723
Penalty amount: Not reported

Air program: SIP SOURCE
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 090812
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 090812
Penalty amount: Not reported

Air program: SIP SOURCE
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 090922
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 090922
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 091006
Penalty amount: Not reported

Air program: SIP SOURCE
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 091006
Penalty amount: Not reported

Air program: SIP SOURCE
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 091030
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 091030
Penalty amount: Not reported

THERMAL ENERGY DEVELOPMENT CORP (Continued) **1004441250**

Air program: SIP SOURCE
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 091118
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 091118
Penalty amount: Not reported

Air program: SIP SOURCE
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 091123
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 091123
Penalty amount: Not reported

Air program: SIP SOURCE
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 091125
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 091125
Penalty amount: Not reported

Air program: SIP SOURCE
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 091214
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 091214
Penalty amount: Not reported

Air program: SIP SOURCE
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 091215
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 091215
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 091230
Penalty amount: Not reported

Air program: SIP SOURCE
National action type: STATE CONDUCTED PCE/ ON-SITE

THERMAL ENERGY DEVELOPMENT CORP (Continued) **1004441250**

Date achieved: 091230
Penalty amount: Not reported

Air program: SIP SOURCE
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 100104
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 100104
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 100107
Penalty amount: Not reported

Air program: SIP SOURCE
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 100107
Penalty amount: Not reported

Air program: SIP SOURCE
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 100108
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 100108
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 100126
Penalty amount: Not reported

Air program: SIP SOURCE
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 100126
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 100127
Penalty amount: Not reported

Air program: SIP SOURCE
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 100127
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: TITLE V ANN COMPL CERT DUE/RCV BY PERMIT AUTHORITY
Date achieved: 100130
Penalty amount: Not reported

THERMAL ENERGY DEVELOPMENT CORP (Continued) **1004441250**

Air program: SIP SOURCE
National action type: TITLE V ANN COMPL CERT DUE/RCV BY PERMIT AUTHORITY
Date achieved: 100130
Penalty amount: Not reported

Air program: SIP SOURCE
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 100201
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 100201
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 100203
Penalty amount: Not reported

Air program: SIP SOURCE
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 100203
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 100208
Penalty amount: Not reported

Air program: SIP SOURCE
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 100208
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 100209
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: TITLE V COMPLIANCE CERT DUE/RECEIVED BY
Date achieved: 100209
Penalty amount: Not reported

Air program: SIP SOURCE
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 100209
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 100210
Penalty amount: Not reported

Air program: SIP SOURCE
National action type: STATE CONDUCTED PCE/ ON-SITE

THERMAL ENERGY DEVELOPMENT CORP (Continued) **1004441250**

Date achieved: 100210
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 100211
Penalty amount: Not reported

Air program: SIP SOURCE
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 100211
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 100212
Penalty amount: Not reported

Air program: SIP SOURCE
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 100212
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 100216
Penalty amount: Not reported

Air program: SIP SOURCE
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 100216
Penalty amount: Not reported

Air program: SIP SOURCE
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 100217
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 100217
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 100218
Penalty amount: Not reported

Air program: SIP SOURCE
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 100218
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 100222
Penalty amount: Not reported

THERMAL ENERGY DEVELOPMENT CORP (Continued) **1004441250**

Air program: SIP SOURCE
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 100222
Penalty amount: Not reported

Air program: SIP SOURCE
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 100225
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 100225
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 100308
Penalty amount: Not reported

Air program: SIP SOURCE
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 100308
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: COMPLIANCE CERTIFICATION STATE REVIEW
Date achieved: 100308
Penalty amount: Not reported

Air program: SIP SOURCE
National action type: COMPLIANCE CERTIFICATION STATE REVIEW
Date achieved: 100308
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 100309
Penalty amount: Not reported

Air program: SIP SOURCE
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 100309
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: STATE DAY 0
Date achieved: 100317
Penalty amount: Not reported

Air program: SIP SOURCE
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 100319
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: STATE CONDUCTED PCE/ ON-SITE

THERMAL ENERGY DEVELOPMENT CORP (Continued) **1004441250**

Date achieved: 100319
Penalty amount: Not reported

Air program: SIP SOURCE
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 100322
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 100322
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: STATE DAY 0
Date achieved: 100323
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: STATE DAY 0
Date achieved: 100324
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: STATE DAY 0
Date achieved: 100328
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 100331
Penalty amount: Not reported

Air program: SIP SOURCE
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 100331
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: NXXXXX
Date achieved: 100420
Penalty amount: Not reported

Air program: NSR
National action type: OWNER/OPERATOR CONDUCTED SOURCE TEST
Date achieved: 100421
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: OWNER/OPERATOR CONDUCTED SOURCE TEST
Date achieved: 100421
Penalty amount: Not reported

Air program: SIP SOURCE
National action type: OWNER/OPERATOR CONDUCTED SOURCE TEST
Date achieved: 100421
Penalty amount: Not reported

THERMAL ENERGY DEVELOPMENT CORP (Continued) **1004441250**

Air program: TITLE V PERMITS
National action type: NXXXXX
Date achieved: 100429
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: NXXXXX
Date achieved: 100430
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: STATE DAY 0
Date achieved: 100526
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: NXXXXX
Date achieved: 100603
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: STATE DAY 0
Date achieved: 100616
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 100625
Penalty amount: Not reported

Air program: SIP SOURCE
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 100625
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: STATE DAY 0
Date achieved: 100701
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: STATE DAY 0
Date achieved: 100716
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: STATE DAY 0
Date achieved: 100717
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: NXXXXX
Date achieved: 100719
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: NXXXXX

THERMAL ENERGY DEVELOPMENT CORP (Continued) **1004441250**

Date achieved: 100804
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 100811
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: STATE CONDUCTED FCE / ON-SITE
Date achieved: 100811
Penalty amount: Not reported

Air program: SIP SOURCE
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 100811
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 100818
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: STATE DAY 0
Date achieved: 100818
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: NXXXXX
Date achieved: 100818
Penalty amount: Not reported

Air program: SIP SOURCE
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 100818
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: NXXXXX
Date achieved: 100901
Penalty amount: 000005500

Air program: TITLE V PERMITS
National action type: NXXXXX
Date achieved: 100901
Penalty amount: 000001400

Air program: TITLE V PERMITS
National action type: NXXXXX
Date achieved: 100901
Penalty amount: 000002700

Air program: SIP SOURCE
National action type: EPA CONDUCTED PCE/ OFF-SITE
Date achieved: 100917
Penalty amount: Not reported

THERMAL ENERGY DEVELOPMENT CORP (Continued) **1004441250**

Air program: NSR
National action type: EPA CONDUCTED PCE/ OFF-SITE
Date achieved: 100917
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: EPA CONDUCTED PCE/ OFF-SITE
Date achieved: 100917
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: NXXXXX
Date achieved: 100928
Penalty amount: 000002100

Air program: TITLE V PERMITS
National action type: NXXXXX
Date achieved: 100928
Penalty amount: 000005500

Air program: TITLE V PERMITS
National action type: NXXXXX
Date achieved: 100928
Penalty amount: 000001400

Air program: TITLE V PERMITS
National action type: NXXXXX
Date achieved: 101013
Penalty amount: 000008000

Air program: TITLE V PERMITS
National action type: NXXXXX
Date achieved: 101013
Penalty amount: 000001400

Air program: TITLE V PERMITS
National action type: S/L REQ (O/O COND) STACK TEST/NOT OBSV BUT REVWD
Date achieved: 101027
Penalty amount: Not reported

Air program: NSR
National action type: S/L REQ (O/O COND) STACK TEST/NOT OBSV BUT REVWD
Date achieved: 101027
Penalty amount: Not reported

Air program: SIP SOURCE
National action type: S/L REQ (O/O COND) STACK TEST/NOT OBSV BUT REVWD
Date achieved: 101027
Penalty amount: Not reported

Air program: SIP SOURCE
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 101130
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: STATE CONDUCTED PCE/ ON-SITE

THERMAL ENERGY DEVELOPMENT CORP (Continued) **1004441250**

Date achieved: 101130
Penalty amount: Not reported

Air program: SIP SOURCE
National action type: TITLE V ANN COMPL CERT DUE/RCV BY PERMIT AUTHORITY
Date achieved: 110128
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: TITLE V ANN COMPL CERT DUE/RCV BY PERMIT AUTHORITY
Date achieved: 110128
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: SV RESOLVED
Date achieved: 110210
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 110213
Penalty amount: Not reported

Air program: SIP SOURCE
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 110213
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: COMPLIANCE CERTIFICATION STATE REVIEW
Date achieved: 110721
Penalty amount: Not reported

Air program: SIP SOURCE
National action type: COMPLIANCE CERTIFICATION STATE REVIEW
Date achieved: 110721
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: STATE DAY 0
Date achieved: 110830
Penalty amount: Not reported

Air program: SIP SOURCE
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 110830
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: STATE CONDUCTED FCE / ON-SITE
Date achieved: 110830
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 110830
Penalty amount: Not reported

THERMAL ENERGY DEVELOPMENT CORP (Continued) **1004441250**

Air program: TITLE V PERMITS
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 110901
Penalty amount: Not reported

Air program: SIP SOURCE
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 110901
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: NXXXXX
Date achieved: 110902
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 110908
Penalty amount: Not reported

Air program: SIP SOURCE
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 110908
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 111011
Penalty amount: Not reported

Air program: SIP SOURCE
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 111011
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: OWNER/OPERATOR CONDUCTED SOURCE TEST
Date achieved: 111011
Penalty amount: Not reported

Air program: SIP SOURCE
National action type: OWNER/OPERATOR CONDUCTED SOURCE TEST
Date achieved: 111011
Penalty amount: Not reported

Air program: NSR
National action type: OWNER/OPERATOR CONDUCTED SOURCE TEST
Date achieved: 111011
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 111014
Penalty amount: Not reported

Air program: SIP SOURCE
National action type: STATE CONDUCTED PCE/ ON-SITE

THERMAL ENERGY DEVELOPMENT CORP (Continued) **1004441250**

Date achieved: 111014
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 111020
Penalty amount: Not reported

Air program: SIP SOURCE
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 111020
Penalty amount: Not reported

Air program: SIP SOURCE
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 111027
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 111027
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: OWNER/OPERATOR CONDUCTED SOURCE TEST
Date achieved: 111027
Penalty amount: Not reported

Air program: SIP SOURCE
National action type: OWNER/OPERATOR CONDUCTED SOURCE TEST
Date achieved: 111027
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 111028
Penalty amount: Not reported

Air program: SIP SOURCE
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 111028
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: EPA CONDUCTED PCE/ OFF-SITE
Date achieved: 111031
Penalty amount: Not reported

Air program: NSR
National action type: EPA CONDUCTED PCE/ OFF-SITE
Date achieved: 111031
Penalty amount: Not reported

Air program: SIP SOURCE
National action type: EPA CONDUCTED PCE/ OFF-SITE
Date achieved: 111031
Penalty amount: Not reported

THERMAL ENERGY DEVELOPMENT CORP (Continued) **1004441250**

Air program: TITLE V PERMITS
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 111117
Penalty amount: Not reported

Air program: SIP SOURCE
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 111117
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: STATE DAY 0
Date achieved: 111209
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: TITLE V ANN COMPL CERT DUE/RCV BY PERMIT AUTHORITY
Date achieved: 120130
Penalty amount: Not reported

Air program: SIP SOURCE
National action type: TITLE V ANN COMPL CERT DUE/RCV BY PERMIT AUTHORITY
Date achieved: 120130
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: NXXXXX
Date achieved: 120213
Penalty amount: Not reported

Air program: SIP SOURCE
National action type: COMPLIANCE CERTIFICATION STATE REVIEW
Date achieved: 120320
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: COMPLIANCE CERTIFICATION STATE REVIEW
Date achieved: 120320
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: NXXXXX
Date achieved: 120322
Penalty amount: 000001860

Air program: TITLE V PERMITS
National action type: SV RESOLVED
Date achieved: 120423
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 120509
Penalty amount: Not reported

Air program: SIP SOURCE
National action type: STATE CONDUCTED PCE/ ON-SITE

THERMAL ENERGY DEVELOPMENT CORP (Continued) **1004441250**

Date achieved: 120509
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: STATE DAY 0
Date achieved: 120509
Penalty amount: Not reported

Air program: SIP SOURCE
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 120510
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 120510
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: NXXXXX
Date achieved: 120515
Penalty amount: Not reported

Air program: SIP SOURCE
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 120529
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 120529
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 120604
Penalty amount: Not reported

Air program: SIP SOURCE
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 120604
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 120702
Penalty amount: Not reported

Air program: SIP SOURCE
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 120702
Penalty amount: Not reported

Air program: SIP SOURCE
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 120709
Penalty amount: Not reported

THERMAL ENERGY DEVELOPMENT CORP (Continued) **1004441250**

Air program: TITLE V PERMITS
National action type: NXXXXX
Date achieved: 120709
Penalty amount: 000000930

Air program: TITLE V PERMITS
National action type: STATE CONDUCTED FCE / ON-SITE
Date achieved: 120709
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 120709
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 120716
Penalty amount: Not reported

Air program: SIP SOURCE
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 120716
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 120718
Penalty amount: Not reported

Air program: SIP SOURCE
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 120718
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 120724
Penalty amount: Not reported

Air program: SIP SOURCE
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 120724
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: NXXXXX
Date achieved: 120726
Penalty amount: 000002640

Air program: TITLE V PERMITS
National action type: SV RESOLVED
Date achieved: 120809
Penalty amount: Not reported

Air program: SIP SOURCE
National action type: STATE CONDUCTED PCE/ ON-SITE

THERMAL ENERGY DEVELOPMENT CORP (Continued) **1004441250**

Date achieved: 120816
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 120816
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 120823
Penalty amount: Not reported

Air program: SIP SOURCE
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 120823
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 120827
Penalty amount: Not reported

Air program: SIP SOURCE
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 120827
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 120829
Penalty amount: Not reported

Air program: SIP SOURCE
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 120829
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 120830
Penalty amount: Not reported

Air program: SIP SOURCE
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 120830
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: SV RESOLVED
Date achieved: 120919
Penalty amount: Not reported

Air program: SIP SOURCE
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 121023
Penalty amount: Not reported

THERMAL ENERGY DEVELOPMENT CORP (Continued) **1004441250**

Air program: TITLE V PERMITS
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 121023
Penalty amount: Not reported

Air program: SIP SOURCE
National action type: MULTI MEDIA INSPECTION - LEVEL 2 OR GREATER
Date achieved: 970319
Penalty amount: 000000000

Air program: TITLE V PERMITS
National action type: MULTI MEDIA INSPECTION - LEVEL 2 OR GREATER
Date achieved: 970319
Penalty amount: 000000000

Air program: SIP SOURCE
National action type: STATE DAY 0
Date achieved: 971014
Penalty amount: 000000000

Air program: SIP SOURCE
National action type: NXXXXX
Date achieved: 971014
Penalty amount: 000000000

Air program: SIP SOURCE
National action type: PCE/OFF-SITE
Date achieved: 971015
Penalty amount: 000000000

Air program: SIP SOURCE
National action type: MULTI MEDIA INSPECTION - LEVEL 2 OR GREATER
Date achieved: 980225
Penalty amount: 000000000

Air program: TITLE V PERMITS
National action type: MULTI MEDIA INSPECTION - LEVEL 2 OR GREATER
Date achieved: 980225
Penalty amount: 000000000

Air program: SIP SOURCE
National action type: NXXXXX
Date achieved: 980501
Penalty amount: 000000250

Air program: SIP SOURCE
National action type: SV RESOLVED
Date achieved: 980602
Penalty amount: 000000000

Air program: TITLE V PERMITS
National action type: MULTI MEDIA INSPECTION - LEVEL 2 OR GREATER
Date achieved: 990120
Penalty amount: 000000000

Air program: SIP SOURCE
National action type: MULTI MEDIA INSPECTION - LEVEL 2 OR GREATER

THERMAL ENERGY DEVELOPMENT CORP (Continued) **1004441250**

Date achieved: 990120
Penalty amount: 000000000

Historical Compliance Minor Sources:
State compliance status: IN COMPLIANCE - INSPECTION
Hist compliance date: 0904
Air prog code hist file: 0

State compliance status: IN COMPLIANCE - INSPECTION
Hist compliance date: 0904
Air prog code hist file: V

State compliance status: IN COMPLIANCE - INSPECTION
Hist compliance date: 1001
Air prog code hist file: 0

State compliance status: IN COMPLIANCE - INSPECTION
Hist compliance date: 1001
Air prog code hist file: 7

State compliance status: IN COMPLIANCE - INSPECTION
Hist compliance date: 1001
Air prog code hist file: V

State compliance status: IN COMPLIANCE - INSPECTION
Hist compliance date: 1002
Air prog code hist file: 0

State compliance status: IN COMPLIANCE - INSPECTION
Hist compliance date: 1002
Air prog code hist file: 7

State compliance status: IN COMPLIANCE - INSPECTION
Hist compliance date: 1002
Air prog code hist file: V

State compliance status: IN COMPLIANCE - INSPECTION
Hist compliance date: 1003
Air prog code hist file: 0

State compliance status: IN COMPLIANCE - INSPECTION
Hist compliance date: 1003
Air prog code hist file: 7

State compliance status: IN COMPLIANCE - INSPECTION
Hist compliance date: 1003
Air prog code hist file: V

State compliance status: IN COMPLIANCE - INSPECTION
Hist compliance date: 1004
Air prog code hist file: 0

State compliance status: IN COMPLIANCE - INSPECTION
Hist compliance date: 1004
Air prog code hist file: 7

State compliance status: IN COMPLIANCE - INSPECTION

THERMAL ENERGY DEVELOPMENT CORP (Continued) **1004441250**

Hist compliance date: 1004
Air prog code hist file: V

State compliance status: IN COMPLIANCE - INSPECTION
Hist compliance date: 1101
Air prog code hist file: 0

State compliance status: IN COMPLIANCE - INSPECTION
Hist compliance date: 1101
Air prog code hist file: 7

State compliance status: IN COMPLIANCE - INSPECTION
Hist compliance date: 1101
Air prog code hist file: V

State compliance status: IN COMPLIANCE - INSPECTION
Hist compliance date: 1102
Air prog code hist file: 0

State compliance status: IN COMPLIANCE - INSPECTION
Hist compliance date: 1102
Air prog code hist file: 7

State compliance status: IN COMPLIANCE - INSPECTION
Hist compliance date: 1102
Air prog code hist file: V

State compliance status: IN COMPLIANCE - INSPECTION
Hist compliance date: 1103
Air prog code hist file: 0

State compliance status: IN COMPLIANCE - INSPECTION
Hist compliance date: 1103
Air prog code hist file: 7

State compliance status: IN COMPLIANCE - INSPECTION
Hist compliance date: 1103
Air prog code hist file: V

State compliance status: IN COMPLIANCE - INSPECTION
Hist compliance date: 1104
Air prog code hist file: 0

State compliance status: IN COMPLIANCE - INSPECTION
Hist compliance date: 1104
Air prog code hist file: 7

State compliance status: IN COMPLIANCE - INSPECTION
Hist compliance date: 1104
Air prog code hist file: V

State compliance status: IN COMPLIANCE - INSPECTION
Hist compliance date: 1201
Air prog code hist file: 0

State compliance status: IN COMPLIANCE - INSPECTION
Hist compliance date: 1201

THERMAL ENERGY DEVELOPMENT CORP (Continued) **1004441250**

Air prog code hist file: 7

State compliance status: IN COMPLIANCE - INSPECTION
Hist compliance date: 1201
Air prog code hist file: V

State compliance status: IN COMPLIANCE - INSPECTION
Hist compliance date: 1202
Air prog code hist file: 0

State compliance status: IN COMPLIANCE - INSPECTION
Hist compliance date: 1202
Air prog code hist file: 7

State compliance status: IN COMPLIANCE - INSPECTION
Hist compliance date: 1202
Air prog code hist file: V

State compliance status: IN COMPLIANCE - INSPECTION
Hist compliance date: 1203
Air prog code hist file: 0

State compliance status: IN COMPLIANCE - INSPECTION
Hist compliance date: 1203
Air prog code hist file: 7

State compliance status: IN COMPLIANCE - INSPECTION
Hist compliance date: 1203
Air prog code hist file: V

Permit Information:
Compliance plant ID: N1026
Permit number: N-1026
Permit category: V
Permit category desc: TITLE V PERMIT - PLANT SP

Permit Source:
Compliance plant ID: N1026
Plant name: THERMAL ENERGY DEVELOPMENT CORP
Plant address: 14800 W SCHULTE RD
TRACY, CA 95378

Event Information:
Compliance permit ID: N1026
Permit number: N-1026
Event action type: IF
Event description: *PERMIT AUTHORITY ISSUES FINAL PERMIT
Event action #: 001
Event date: 20011231

Z133 **TRACY OPERATORS** **HAZNET** **S100946840**
ESE **14800 SCHULTE AVE** **N/A**
> 1 **TRACY, CA 95378**
1.927 mi.
10173 ft. **Site 3 of 5 in cluster Z**

Relative:
Lower

Actual:
127 ft.

HAZNET:

Year:	2003
Gepaid:	CAL000042561
Contact:	RICK VOGLER, PLANT SUPERVISOR
Telephone:	2098356914
Mailing Name:	Not reported
Mailing Address:	14800 W SCHULTE RD
Mailing City,St,Zip:	TRACY, CA 953770000
Gen County:	San Joaquin
TSD EPA ID:	WIR000029751
TSD County:	San Joaquin
Waste Category:	Unspecified oil-containing waste
Disposal Method:	Recycler
Tons:	0.1
Facility County:	San Joaquin

Year:	1999
Gepaid:	CAL000042561
Contact:	THERMAL ENERGY DEVELOPMENT
Telephone:	2098356914
Mailing Name:	Not reported
Mailing Address:	PO BOX 1209
Mailing City,St,Zip:	TRACY, CA 953781209
Gen County:	San Joaquin
TSD EPA ID:	CAT000646117
TSD County:	Kings
Waste Category:	Other inorganic solid waste
Disposal Method:	Not reported
Tons:	4.214
Facility County:	San Joaquin

Year:	1999
Gepaid:	CAL000042561
Contact:	THERMAL ENERGY DEVELOPMENT
Telephone:	2098356914
Mailing Name:	Not reported
Mailing Address:	PO BOX 1209
Mailing City,St,Zip:	TRACY, CA 953781209
Gen County:	San Joaquin
TSD EPA ID:	CAT000646117
TSD County:	Kings
Waste Category:	Other inorganic solid waste
Disposal Method:	Disposal, Land Fill
Tons:	4.214
Facility County:	San Joaquin

Year:	1998
Gepaid:	CAL000042561
Contact:	THERMAL ENERGY DEVELOPMENT
Telephone:	2098356914
Mailing Name:	Not reported
Mailing Address:	PO BOX 1209
Mailing City,St,Zip:	TRACY, CA 953781209

TRACY OPERATORS (Continued) **S100946840**

Gen County: San Joaquin
TSD EPA ID: CAT080033681
TSD County: Los Angeles
Waste Category: Other organic solids
Disposal Method: Disposal, Other
Tons: .2500
Facility County: San Joaquin

Year: 1998
Gepaid: CAL000042561
Contact: THERMAL ENERGY DEVELOPMENT
Telephone: 2098356914
Mailing Name: Not reported
Mailing Address: PO BOX 1209
Mailing City,St,Zip: TRACY, CA 953781209
Gen County: San Joaquin
TSD EPA ID: CAT080013352
TSD County: Los Angeles
Waste Category: Other organic solids
Disposal Method: Not reported
Tons: .2500
Facility County: San Joaquin

Click this hyperlink while viewing on your computer to access
7 additional CA_HAZNET: record(s) in the EDR Site Report.

Z134 **TRACY BIOMASS** **HAZNET** **S108756759**
ESE **14800 SCHULTE AVE** **N/A**
> 1 **TRACY, CA 95378**
1.927 mi.
10173 ft. **Site 4 of 5 in cluster Z**

Relative:
Lower

Actual:
127 ft.

HAZNET:
Year: 2006
Gepaid: CAL000042561
Contact: RICK VOGLER, PLANT SUPERVISOR
Telephone: 2098356914
Mailing Name: Not reported
Mailing Address: 14800 W SCHULTE RD
Mailing City,St,Zip: TRACY, CA 953770000
Gen County: San Joaquin
TSD EPA ID: CAD980884183
TSD County: Sacramento
Waste Category: Other inorganic solid waste
Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.1
Facility County: San Joaquin

Z135
ESE
> 1
1.927 mi.
10173 ft.

TRACY OPERATORS
14800 W. SCHULTE ROAD
TRACY, CA 95377

Site 5 of 5 in cluster Z

FINDS **1014675925**
N/A

Relative:
Lower

Actual:
127 ft.

FINDS:

Registry ID: 110041059449

Environmental Interest/Information System
CRITERIA AND HAZARDOUS AIR POLLUTANT INVENTORY

136
East
> 1
1.934 mi.
10213 ft.

THE TERMO COMPANY
SAN JOAQUIN (County), CA

UIC **S111647246**
N/A

Relative:
Lower

Actual:
94 ft.

UIC:

API Number:	07720016
Confidential Well:	N
Well Number:	1
Lease Name:	Lourenco
Well Located On A BLW Lease:	N
Field Name:	Any Field
Area Name:	Any Area
Section:	25
Township:	02S
Range:	04E
Base And Meridian; Part Of The PLSS:	MD
Elevation:	Not reported
Location Desc:	Not reported
Latitude:	37.72798
Longitude:	-121.4863
GIS Source Code:	hud
Comments:	Status Code 006

137
ESE
> 1
1.939 mi.
10238 ft.

CITY OF TRACY/DEVELOPMENT & ENGINEERING SVCS
15173 SCHULTE RD
TRACY, CA 95376

HAZNET **S109425067**
N/A

Relative:
Lower

Actual:
117 ft.

HAZNET:

Year:	2007
Gepaid:	CAC002618884
Contact:	MARK RUIZ
Telephone:	2098314461
Mailing Name:	Not reported
Mailing Address:	520 TRACY BLVD
Mailing City,St,Zip:	TRACY, CA 95376
Gen County:	San Joaquin
TSD EPA ID:	CAD980887418
TSD County:	Alameda
Waste Category:	Unspecified oil-containing waste
Disposal Method:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery

CITY OF TRACY/DEVELOPMENT & ENGINEERING SVCS (Continued) **S109425067**

(H010-H129) Or (H131-H135)
Tons: 0.22
Facility County: San Joaquin

Year: 2007
Gepaid: CAC002618884
Contact: MARK RUIZ
Telephone: 2098314461
Mailing Name: Not reported
Mailing Address: 520 TRACY BLVD
Mailing City,St,Zip: TRACY, CA 95376
Gen County: San Joaquin
TSD EPA ID: CAD980887418
TSD County: Alameda
Waste Category: Oil/water separation sludge
Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 1.45
Facility County: San Joaquin

138
NNW
> 1
1.965 mi.
10375 ft.

SHELL CENTRAL VALLEY CRUDE OIL PIPELINES (FORMER) PARCEL 209 **SLIC** **S106707867**
MOUNTAIN HOUSE PKWY & GRANT LINE RD **N/A**
TRACY, CA

Relative:
Lower

Actual:
84 ft.

SLIC REG 5:
Region: 5
Facility Status: RI
Unit: Facility is a Spill or site
Pollutant: TPH
Lead Agency: DLL
Date Filed: / /
Report Date: / /
Date Added: Not reported
Date Closed: Not reported

139
NNW
> 1
1.979 mi.
10450 ft.

CDL **S107530124**
N/A

18601 N GRANT LINE RD
TRACY, CA 95376

Relative:
Lower

Actual:
97 ft.

CDL:
Facility ID: 199812123
Lab Type: Abandoned Drug Lab Waste (A) - location away from an actual illegal drug lab where drug lab waste and/or equipment were abandoned.

140
NNW
> 1
2.056 mi.
10857 ft.

KAMLIOS DEVELOPMENT INC — **HAZNET** — **S108749412**
18888 W GRANT LINE RD — **N/A**
TRACY, CA 95391

Relative:
Lower

Actual:
105 ft.

HAZNET:

Year:	2006
Gepaid:	CAC002609412
Contact:	KURT MELONEY
Telephone:	2099421129
Mailing Name:	Not reported
Mailing Address:	11249 GOLD COUNTRY BLVD STE 190
Mailing City,St,Zip:	GOLD RIVER, CA 956703022
Gen County:	San Joaquin
TSD EPA ID:	CAL000190080
TSD County:	San Joaquin
Waste Category:	Asbestos containing waste
Disposal Method:	Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Tons:	13.48
Facility County:	San Joaquin

141
NE
> 1
2.079 mi.
10979 ft.

ENERFIN RESOURCES NORTHWEST LIMITED PARTNERSHIP — **UIC** — **S111647755**
N/A
SAN JOAQUIN (County), CA

Relative:
Lower

Actual:
44 ft.

UIC:

API Number:	07720576
Confidential Well:	N
Well Number:	13-28
Lease Name:	West Tracy
Well Located On A BLW Lease:	N
Field Name:	Tracy, West, Gas (ABD)
Area Name:	Any Area
Section:	13
Township:	02S
Range:	04E
Base And Meridian; Part Of The PLSS:	MD
Elevation:	54
Location Desc:	Not reported
Latitude:	37.75258
Longitude:	-121.4931
GIS Source Code:	gps
Comments:	GPS Date 11/12/1998, Status Code 025

142
NW
> 1
2.186 mi.
11544 ft.

BILL RAYHER — **CA FID UST** — **S101593273**
19822 W GRANTLINE RD — **SWEEPS UST** — **N/A**
TRACY, CA 95376

Relative:
Lower

Actual:
118 ft.

CA FID UST:

Facility ID:	39003600
Regulated By:	UTNKI
Regulated ID:	Not reported

BILL RAYHER (Continued) **S101593273**

Cortese Code:	Not reported
SIC Code:	Not reported
Facility Phone:	2098355900
Mail To:	Not reported
Mailing Address:	19822 W GRANTLINE RD
Mailing Address 2:	Not reported
Mailing City,St,Zip:	TRACY 95376
Contact:	Not reported
Contact Phone:	Not reported
DUNs Number:	Not reported
NPDES Number:	Not reported
EPA ID:	Not reported
Comments:	Not reported
Status:	Inactive

SWEEPS UST:

Status:	Not reported
Comp Number:	2003
Number:	Not reported
Board Of Equalization:	44-024962
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Tank Status:	Not reported
Owner Tank Id:	Not reported
Swrcb Tank Id:	39-000-002003-000001
Actv Date:	Not reported
Capacity:	9999999
Tank Use:	UNKNOWN
Stg:	PRODUCT
Content:	Not reported
Number Of Tanks:	1

AA143 **G W F ENERGY LLC** **NPDES** **S106093824**
SE **14950 W SCHULTE RD** **HAZNET** **N/A**
> 1 **TRACY, CA 95377** **EMI**
2.213 mi.
11686 ft. **Site 1 of 2 in cluster AA**

Relative:
Higher

Actual:
170 ft.

NPDES:

Npdes Number:	CAS000002
Facility Status:	Terminated
Agency Id:	0
Region:	5S
Regulatory Measure Id:	408599
Order No:	2009-0009-DWQ
Regulatory Measure Type:	Enrollee
Place Id:	Not reported
WDID:	5S39C359774
Program Type:	Construction
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	10/26/2010
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	11/13/2012
Discharge Name:	GWF Energy LLC
Discharge Address:	4300 Railroad Avenue
Discharge City:	Pittsburg

G W F ENERGY LLC (Continued) **S106093824**

Discharge State: California
Discharge Zip: 94565

HAZNET:
Year: 2011
Gepaid: CAL000258560
Contact: MARK KEHOE/DIR OF ENV & SAFETY
Telephone: 9254311440
Mailing Name: Not reported
Mailing Address: 4300 RAILROAD AVE
Mailing City,St,Zip: PITTSBURG, CA 945650000
Gen County: Not reported
TSD EPA ID: NVT330010000
TSD County: Not reported
Waste Category: Other spent catalyst
Disposal Method: Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Tons: 93
Facility County: San Joaquin

Year: 2011
Gepaid: CAL000258560
Contact: MARK KEHOE/DIR OF ENV & SAFETY
Telephone: 9254311440
Mailing Name: Not reported
Mailing Address: 4300 RAILROAD AVE
Mailing City,St,Zip: PITTSBURG, CA 945650000
Gen County: Not reported
TSD EPA ID: CAD980884183
TSD County: Not reported
Waste Category: Unspecified oil-containing waste
Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 1.975
Facility County: San Joaquin

Year: 2010
Gepaid: CAL000258560
Contact: MARK KEHOE/DIR OF ENV & SAFETY
Telephone: 9254311440
Mailing Name: Not reported
Mailing Address: 4300 RAILROAD AVE
Mailing City,St,Zip: PITTSBURG, CA 945650000
Gen County: Not reported
TSD EPA ID: CAD980884183
TSD County: Not reported
Waste Category: Unspecified oil-containing waste
Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.025
Facility County: San Joaquin

Year: 2009
Gepaid: CAL000258560
Contact: MARK KEHOE/DIR OF ENV & SAFETY
Telephone: 9254311440
Mailing Name: Not reported

G W F ENERGY LLC (Continued) **S106093824**

Mailing Address:	4300 RAILROAD AVE
Mailing City,St,Zip:	PITTSBURG, CA 945650000
Gen County:	San Joaquin
TSD EPA ID:	CAD980884183
TSD County:	Sacramento
Waste Category:	Unspecified oil-containing waste
Disposal Method:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.25
Facility County:	San Joaquin

Year:	2008
Gepaid:	CAL000258560
Contact:	MARK KEHOE/DIR OF ENV & SAFETY
Telephone:	9254311440
Mailing Name:	MARK KEHOE/DIR OF ENV & SAFETY
Mailing Address:	4300 RAILROAD AVE
Mailing City,St,Zip:	PITTSBURG, CA 945650000
Gen County:	San Joaquin
TSD EPA ID:	CAD980884183
TSD County:	Sacramento
Waste Category:	Unspecified oil-containing waste
Disposal Method:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.2275
Facility County:	San Joaquin

Click this hyperlink while viewing on your computer to access
11 additional CA_HAZNET: record(s) in the EDR Site Report.

EMI:

Year:	2006
County Code:	39
Air Basin:	SJV
Facility ID:	4597
Air District Name:	SJU
SIC Code:	4931
Air District Name:	SAN JOAQUIN VALLEY UNIFIED APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	8.145740713369261723
Reactive Organic Gases Tons/Yr:	.744684396713984891
Carbon Monoxide Emissions Tons/Yr:	.166450789492589184
NOX - Oxides of Nitrogen Tons/Yr:	1.4595082041064571
SOX - Oxides of Sulphur Tons/Yr:	.028457091505041723
Particulate Matter Tons/Yr:	1.399305572634750683
Part. Matter 10 Micrometers & Smllr Tons/Yr:	1.390907282011565074

Year:	2007
County Code:	39
Air Basin:	SJV
Facility ID:	4597
Air District Name:	SJU
SIC Code:	4931
Air District Name:	SAN JOAQUIN VALLEY UNIFIED APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported

G W F ENERGY LLC (Continued) **S106093824**

Total Organic Hydrocarbon Gases Tons/Yr:	6.995603817719103037
Reactive Organic Gases Tons/Yr:	.639971493573195289
Carbon Monoxide Emissions Tons/Yr:	.27439259780882943
NOX - Oxides of Nitrogen Tons/Yr:	1.3439610191172806
SOX - Oxides of Sulphur Tons/Yr:	.05331146910041571
Particulate Matter Tons/Yr:	1.187330187747218384
Part. Matter 10 Micrometers & Smllr Tons/Yr:	1.180197600905822177
Year:	2007
County Code:	39
Air Basin:	SJV
Facility ID:	4597
Air District Name:	SJU
SIC Code:	4931
Air District Name:	SAN JOAQUIN VALLEY UNIFIED APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	5.508543076318410385
Reactive Organic Gases Tons/Yr:	.503928962910928467
Carbon Monoxide Emissions Tons/Yr:	.23250541043255414
NOX - Oxides of Nitrogen Tons/Yr:	1.1027229324404473
SOX - Oxides of Sulphur Tons/Yr:	.04387036506414404
Particulate Matter Tons/Yr:	.9797068034840659016
Part. Matter 10 Micrometers & Smllr Tons/Yr:	.973821835973548823

AA144 **GWF ENERGY, LLC-TRACY PEAKER PLANT** **FINDS** **1007729329**
SE **14950 W. SCHULTE ROAD** **US AIRS** **N/A**
> 1 **TRACY, CA 64565**
2.213 mi.
11686 ft. **Site 2 of 2 in cluster AA**

Relative: Higher

Actual: 170 ft.

FINDS:

Registry ID: 110018862337

Environmental Interest/Information System

AFS (Aerometric Information Retrieval System (AIRS) Facility Subsystem) replaces the former Compliance Data System (CDS), the National Emission Data System (NEDS), and the Storage and Retrieval of Aerometric Data (SAROAD). AIRS is the national repository for information concerning airborne pollution in the United States. AFS is used to track emissions and compliance data from industrial plants. AFS data are utilized by states to prepare State Implementation Plans to comply with regulatory programs and by EPA as an input for the estimation of total national emissions. AFS is undergoing a major redesign to support facility operating permits required under Title V of the Clean Air Act.

The NEI (National Emissions Inventory) database contains information on stationary and mobile sources that emit criteria air pollutants and their precursors, as well as hazardous air pollutants (HAPs).

CRITERIA AND HAZARDOUS AIR POLLUTANT INVENTORY

GREENHOUSE GAS REPORTER

GWF ENERGY, LLC-TRACY PEAKER PLANT (Continued) **1007729329**

AIRS (AFS):

Compliance and Violation Data Major Sources:

EPA plant ID:	110040628666
Plant name:	GWF ENERGY, LLC-TRACY PEAKER PLANT
Plant address:	14950 W. SCHULTE ROAD TRACY, CA 64565
County:	SAN JOAQUIN
Region code:	09
Dunn & Bradst #:	Not reported
Air quality cntrl region:	031
Sic code:	4931
Sic code desc:	ELECTRIC AND OTHER SERVICES COMBINED
North Am. industrial classf:	221122
NAIC code description:	Electric Power Distribution
Default compliance status:	IN COMPLIANCE - INSPECTION
Default classification:	ACTUAL OR POTENTIAL EMISSIONS ARE ABOVE THE APPLICABLE MAJOR SOURCE THRESHOLDS
Govt facility:	ALL OTHER FACILITIES NOT OWNED OR OPERATED BY A FEDERAL, STATE, OR LOCAL GOVERNMENT
Current HPV:	Not reported

Compliance and Enforcement Major Issues:

Air program:	TITLE V PERMITS
National action type:	STATE CONDUCTED PCE/ ON-SITE
Date achieved:	040421
Penalty amount:	Not reported
Air program:	SIP SOURCE
National action type:	STATE CONDUCTED PCE/ ON-SITE
Date achieved:	040421
Penalty amount:	Not reported
Air program:	TITLE V PERMITS
National action type:	OWNER/OPERATOR CONDUCTED SOURCE TEST
Date achieved:	040622
Penalty amount:	Not reported
Air program:	TITLE V PERMITS
National action type:	STATE CONDUCTED PCE/ ON-SITE
Date achieved:	050223
Penalty amount:	Not reported
Air program:	SIP SOURCE
National action type:	COMPLIANCE CERTIFICATION STATE REVIEW
Date achieved:	050503
Penalty amount:	Not reported
Air program:	TITLE V PERMITS
National action type:	COMPLIANCE CERTIFICATION STATE REVIEW
Date achieved:	050503
Penalty amount:	Not reported
Air program:	SIP SOURCE
National action type:	STATE CONDUCTED FCE / ON-SITE
Date achieved:	050607

GWF ENERGY, LLC-TRACY PEAKER PLANT (Continued) **1007729329**

Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: STATE CONDUCTED FCE / ON-SITE
Date achieved: 050607
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: S/L REQ (O/O COND) STACK TEST/NOT OBSV BUT REVWD
Date achieved: 050621
Penalty amount: Not reported

Air program: SIP SOURCE
National action type: S/L REQ (O/O COND) STACK TEST/NOT OBSV BUT REVWD
Date achieved: 050621
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 050726
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: STATE INVESTIGATION CONDUCTED
Date achieved: 050825
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: TITLE V COMPLIANCE CERT DUE/RECEIVED BY
Date achieved: 060127
Penalty amount: Not reported

Air program: SIP SOURCE
National action type: STATE CONDUCTED FCE / ON-SITE
Date achieved: 060301
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: STATE CONDUCTED FCE / ON-SITE
Date achieved: 060301
Penalty amount: Not reported

Air program: SIP SOURCE
National action type: S/L REQ (O/O COND) STACK TEST/NOT OBSV BUT REVWD
Date achieved: 060620
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: S/L REQ (O/O COND) STACK TEST/NOT OBSV BUT REVWD
Date achieved: 060620
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 060822
Penalty amount: Not reported

GWF ENERGY, LLC-TRACY PEAKER PLANT (Continued) **1007729329**

Air program: TITLE V PERMITS
National action type: STATE INVESTIGATION CONDUCTED
Date achieved: 060906
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 060913
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 070117
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: TITLE V COMPLIANCE CERT DUE/RECEIVED BY
Date achieved: 070201
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: COMPLIANCE CERTIFICATION STATE REVIEW
Date achieved: 070504
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 070619
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: STATE CONDUCTED FCE / ON-SITE
Date achieved: 070807
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 070807
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 070809
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 071120
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 071126
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: STATE CONDUCTED PCE/ ON-SITE

GWF ENERGY, LLC-TRACY PEAKER PLANT (Continued) **1007729329**

Date achieved: 071129
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: TITLE V COMPLIANCE CERT DUE/RECEIVED BY
Date achieved: 080201
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: COMPLIANCE CERTIFICATION STATE REVIEW
Date achieved: 080401
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 080617
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 080808
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: STATE CONDUCTED FCE / OFF-SITE
Date achieved: 080808
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: STATE DAY 0
Date achieved: 081021
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: NXXXXX
Date achieved: 081212
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 090122
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: NXXXXX
Date achieved: 090129
Penalty amount: 000000926

Air program: TITLE V PERMITS
National action type: SV RESOLVED
Date achieved: 090217
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: TITLE V COMPLIANCE CERT DUE/RECEIVED BY
Date achieved: 090219
Penalty amount: Not reported

GWF ENERGY, LLC-TRACY PEAKER PLANT (Continued) **1007729329**

Air program: TITLE V PERMITS
National action type: COMPLIANCE CERTIFICATION STATE REVIEW
Date achieved: 090224
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 090610
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: STATE CONDUCTED FCE / OFF-SITE
Date achieved: 090610
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 090817
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 091002
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 091006
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 091030
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 091113
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 091117
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 091123
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 091208
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: STATE CONDUCTED PCE/ ON-SITE

GWF ENERGY, LLC-TRACY PEAKER PLANT (Continued) **1007729329**

Date achieved: 100122
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: TITLE V ANN COMPL CERT DUE/RCV BY PERMIT AUTHORITY
Date achieved: 100126
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 100208
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: TITLE V COMPLIANCE CERT DUE/RECEIVED BY
Date achieved: 100209
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 100222
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: COMPLIANCE CERTIFICATION STATE REVIEW
Date achieved: 100302
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 100721
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: STATE CONDUCTED FCE / ON-SITE
Date achieved: 100721
Penalty amount: Not reported

Air program: SIP SOURCE
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 100721
Penalty amount: Not reported

Air program: SIP SOURCE
National action type: TITLE V ANN COMPL CERT DUE/RCV BY PERMIT AUTHORITY
Date achieved: 110125
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: TITLE V ANN COMPL CERT DUE/RCV BY PERMIT AUTHORITY
Date achieved: 110125
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: COMPLIANCE CERTIFICATION STATE REVIEW
Date achieved: 110404
Penalty amount: Not reported

GWF ENERGY, LLC-TRACY PEAKER PLANT (Continued) **1007729329**

Air program: SIP SOURCE
National action type: COMPLIANCE CERTIFICATION STATE REVIEW
Date achieved: 110404
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: STATE DAY 0
Date achieved: 110512
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: NXXXXX
Date achieved: 110608
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: NXXXXX
Date achieved: 110802
Penalty amount: 000002400

Air program: SIP SOURCE
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 110811
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 110811
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: STATE CONDUCTED FCE / ON-SITE
Date achieved: 110811
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: SV RESOLVED
Date achieved: 110823
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: TITLE V ANN COMPL CERT DUE/RCV BY PERMIT AUTHORITY
Date achieved: 120124
Penalty amount: Not reported

Air program: SIP SOURCE
National action type: TITLE V ANN COMPL CERT DUE/RCV BY PERMIT AUTHORITY
Date achieved: 120124
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: COMPLIANCE CERTIFICATION STATE REVIEW
Date achieved: 120320
Penalty amount: Not reported

Air program: SIP SOURCE
National action type: COMPLIANCE CERTIFICATION STATE REVIEW

GWF ENERGY, LLC-TRACY PEAKER PLANT (Continued) **1007729329**

Date achieved: 120320
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 120529
Penalty amount: Not reported

Air program: SIP SOURCE
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 120529
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: STATE CONDUCTED FCE / ON-SITE
Date achieved: 120718
Penalty amount: Not reported

Air program: SIP SOURCE
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 120718
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 120718
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 121002
Penalty amount: Not reported

Air program: SIP SOURCE
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 121002
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 121004
Penalty amount: Not reported

Air program: SIP SOURCE
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 121004
Penalty amount: Not reported

Air program: TITLE V PERMITS
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 121017
Penalty amount: Not reported

Air program: SIP SOURCE
National action type: STATE CONDUCTED PCE/ ON-SITE
Date achieved: 121017
Penalty amount: Not reported

GWF ENERGY, LLC-TRACY PEAKER PLANT (Continued) **1007729329**

Historical Compliance Minor Sources:

State compliance status: IN COMPLIANCE - INSPECTION
Hist compliance date: 0904
Air prog code hist file: 0

State compliance status: IN COMPLIANCE - INSPECTION
Hist compliance date: 0904
Air prog code hist file: V

State compliance status: IN COMPLIANCE - INSPECTION
Hist compliance date: 1001
Air prog code hist file: 0

State compliance status: IN COMPLIANCE - INSPECTION
Hist compliance date: 1001
Air prog code hist file: V

State compliance status: IN COMPLIANCE - INSPECTION
Hist compliance date: 1002
Air prog code hist file: 0

State compliance status: IN COMPLIANCE - INSPECTION
Hist compliance date: 1002
Air prog code hist file: V

State compliance status: IN COMPLIANCE - INSPECTION
Hist compliance date: 1003
Air prog code hist file: 0

State compliance status: IN COMPLIANCE - INSPECTION
Hist compliance date: 1003
Air prog code hist file: V

State compliance status: IN COMPLIANCE - INSPECTION
Hist compliance date: 1004
Air prog code hist file: 0

State compliance status: IN COMPLIANCE - INSPECTION
Hist compliance date: 1004
Air prog code hist file: V

State compliance status: IN COMPLIANCE - INSPECTION
Hist compliance date: 1101
Air prog code hist file: 0

State compliance status: IN COMPLIANCE - INSPECTION
Hist compliance date: 1101
Air prog code hist file: V

State compliance status: IN COMPLIANCE - INSPECTION
Hist compliance date: 1102
Air prog code hist file: 0

State compliance status: IN COMPLIANCE - INSPECTION
Hist compliance date: 1102
Air prog code hist file: V

GWF ENERGY, LLC-TRACY PEAKER PLANT (Continued) **1007729329**

State compliance status: IN COMPLIANCE - INSPECTION
Hist compliance date: 1103
Air prog code hist file: 0

State compliance status: IN COMPLIANCE - INSPECTION
Hist compliance date: 1103
Air prog code hist file: V

State compliance status: IN COMPLIANCE - INSPECTION
Hist compliance date: 1104
Air prog code hist file: 0

State compliance status: IN COMPLIANCE - INSPECTION
Hist compliance date: 1104
Air prog code hist file: V

State compliance status: IN COMPLIANCE - INSPECTION
Hist compliance date: 1201
Air prog code hist file: 0

State compliance status: IN COMPLIANCE - INSPECTION
Hist compliance date: 1201
Air prog code hist file: V

State compliance status: IN COMPLIANCE - INSPECTION
Hist compliance date: 1202
Air prog code hist file: 0

State compliance status: IN COMPLIANCE - INSPECTION
Hist compliance date: 1202
Air prog code hist file: V

State compliance status: IN COMPLIANCE - INSPECTION
Hist compliance date: 1203
Air prog code hist file: 0

State compliance status: IN COMPLIANCE - INSPECTION
Hist compliance date: 1203
Air prog code hist file: V

Permit Information:
Compliance plant ID: N4597
Permit number: N-4597
Permit category: V
Permit category desc: TITLE V PERMIT - PLANT SP

Permit Source:
Compliance plant ID: N4597
Plant name: GWF ENERGY, LLC-TRACY PEAKER PLANT
Plant address: 14950 W. SCHULTE ROAD
TRACY, CA 64565

Event Information:
Compliance permit ID: N4597
Permit number: N-4597
Event action type: IF

GWF ENERGY, LLC-TRACY PEAKER PLANT (Continued) **1007729329**

Event description: *PERMIT AUTHORITY ISSUES FINAL PERMIT
Event action #: 001
Event date: 20040831

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145 **CONLEY & ASSOCIATES INC.** **UIC** **S111647577**
NE **N/A**
> 1 **SAN JOAQUIN (County), CA**
2.253 mi.
11895 ft.

Relative:
Lower

Actual:
40 ft.

UIC:

API Number:	07720377
Confidential Well:	N
Well Number:	1
Lease Name:	One Market Street Unit
Well Located On A BLW Lease:	N
Field Name:	Tracy, West, Gas (ABD)
Area Name:	Any Area
Section:	13
Township:	02S
Range:	04E
Base And Meridian; Part Of The PLSS:	MD
Elevation:	32
Location Desc:	Not reported
Latitude:	37.75126
Longitude:	-121.4877
GIS Source Code:	hud
Comments:	Status Code 006

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146 **S. M. REYNOLDS, OPR.** **UIC** **S111647316**
North **N/A**
> 1 **SAN JOAQUIN (County), CA**
2.254 mi.
11902 ft.

Relative:
Lower

Actual:
42 ft.

UIC:

API Number:	07720091
Confidential Well:	N
Well Number:	1
Lease Name:	Towne-Sequeira
Well Located On A BLW Lease:	N
Field Name:	Any Field
Area Name:	Any Area
Section:	15
Township:	02S
Range:	04E
Base And Meridian; Part Of The PLSS:	MD
Elevation:	Not reported
Location Desc:	Not reported
Latitude:	37.76448
Longitude:	-121.5140
GIS Source Code:	hud
Comments:	Status Code 006

147
NW
> 1
2.273 mi.
12000 ft.

SHEA HOMES INC
19475 W GRANT LINE RD
TRACY, CA 95391

Database(s): **HAZNET**
EDR ID Number: **S109431534**
EPA ID Number: **N/A**

Relative:
Lower

Actual:
133 ft.

HAZNET:

Year:	2007
Gepaid:	CAC002622505
Contact:	ANDY THOMAS
Telephone:	9252453731
Mailing Name:	Not reported
Mailing Address:	PO BOX 5064
Mailing City,St,Zip:	LIVERMORE, CA 945515064
Gen County:	San Joaquin
TSD EPA ID:	CAL000190080
TSD County:	San Joaquin
Waste Category:	Asbestos containing waste
Disposal Method:	Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Tons:	0.8
Facility County:	San Joaquin

148
NE
> 1
2.288 mi.
12080 ft.

CONLEY & ASSOCIATES INC.
SAN JOAQUIN (County), CA

Database(s): **UIC**
EDR ID Number: **S111647571**
EPA ID Number: **N/A**

Relative:
Lower

Actual:
35 ft.

UIC:

API Number:	07720371
Confidential Well:	N
Well Number:	1
Lease Name:	Pereira et al Unit
Well Located On A BLW Lease:	N
Field Name:	Tracy, West, Gas (ABD)
Area Name:	Any Area
Section:	14
Township:	02S
Range:	04E
Base And Meridian; Part Of The PLSS:	MD
Elevation:	Not reported
Location Desc:	Not reported
Latitude:	37.75940
Longitude:	-121.4971
GIS Source Code:	hud
Comments:	Status Code 006

149
NE
> 1
2.308 mi.
12185 ft.

NWCPL0040 TRACY PUMP STATION
14821 W GRANT LINE RD
TRACY, CA 95304

Database(s): **HAZNET**
EDR ID Number: **S111853945**
EPA ID Number: **N/A**

Relative:
Lower

Actual:
35 ft.

HAZNET:

Year:	2011
Gepaid:	CAC002679361
Contact:	KATHY NORRIS

NWCPL0040 TRACY PUMP STATION (Continued) **S111853945**

Telephone:	8773866044
Mailing Name:	Not reported
Mailing Address:	PO BOX 6004
Mailing City,St,Zip:	SAN RAMON, CA 94583
Gen County:	Not reported
TSD EPA ID:	CAD980675276
TSD County:	Not reported
Waste Category:	Asbestos containing waste
Disposal Method:	Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Tons:	80
Facility County:	San Joaquin

150
NE
> 1
2.333 mi.
12317 ft.

ENERFIN RESOURCES NORTHWEST LIMITED PARTNERSHIP **UIC** **S111647749**
N/A

SAN JOAQUIN (County), CA

Relative:
Lower

Actual:
34 ft.

UIC:

API Number:	07720570
Confidential Well:	N
Well Number:	13-25
Lease Name:	Tracy
Well Located On A BLW Lease:	N
Field Name:	Tracy, West, Gas (ABD)
Area Name:	Any Area
Section:	13
Township:	02S
Range:	04E
Base And Meridian; Part Of The PLSS:	MD
Elevation:	26
Location Desc:	Not reported
Latitude:	37.75685
Longitude:	-121.4919
GIS Source Code:	gps
Comments:	GPS Date 11/12/1998, Status Code 024

151
WSW
> 1
2.367 mi.
12500 ft.

ALTAMONT RACEWAY PARK **HAZNET** **S103556587**
17001 MIDWAY RD **N/A**
TRACY, CA 95377

Relative:
Higher

Actual:
358 ft.

HAZNET:

Year:	2006
Gepaid:	CAL000195981
Contact:	ANDY HERBST
Telephone:	9256060274
Mailing Name:	Not reported
Mailing Address:	17001 MIDWAY RD
Mailing City,St,Zip:	TRACY, CA 953770000
Gen County:	San Joaquin
TSD EPA ID:	CAL000161743
TSD County:	Santa Clara
Waste Category:	Waste oil and mixed oil

ALTAMONT RACEWAY PARK (Continued) **S103556587**

Disposal Method: Recycler
Tons: 2.08
Facility County: San Joaquin

Year: 2004
Gepaid: CAL000195981
Contact: ANDY HERBST
Telephone: 9256060274
Mailing Name: Not reported
Mailing Address: 17001 MIDWAY RD
Mailing City,St,Zip: TRACY, CA 953770000
Gen County: San Joaquin
TSD EPA ID: CAD980887418
TSD County: Alameda
Waste Category: Waste oil and mixed oil
Disposal Method: Recycler
Tons: 1.95
Facility County: Not reported

Year: 2003
Gepaid: CAL000195981
Contact: ANDY HERBST
Telephone: 9256060274
Mailing Name: ANDY HERBST/GM
Mailing Address: 17001 MIDWAY RD
Mailing City,St,Zip: TRACY, CA 953770000
Gen County: San Joaquin
TSD EPA ID: CAD059494310
TSD County: San Joaquin
Waste Category: Liquids with halogenated organic compounds >= 1,000 Mg./L
Disposal Method: Recycler
Tons: 0.83
Facility County: San Joaquin

Year: 2001
Gepaid: CAL000195981
Contact: ANDY HERBST
Telephone: 9256060274
Mailing Name: Not reported
Mailing Address: 17001 MIDWAY RD
Mailing City,St,Zip: TRACY, CA 953770000
Gen County: San Joaquin
TSD EPA ID: Not reported
TSD County: Santa Clara
Waste Category: Liquids with halogenated organic compounds >= 1,000 Mg./L
Disposal Method: Disposal, Other
Tons: 1.16
Facility County: Not reported

Year: 1996
Gepaid: CAC001137136
Contact: ALTAMONT RACEWAY PARK CORP
Telephone: 0000000000
Mailing Name: Not reported
Mailing Address: 17001 MIDWAY RD
Mailing City,St,Zip: TRACY, CA 953760000
Gen County: San Joaquin

ALTAMONT RACEWAY PARK (Continued) **S103556587**

TSD EPA ID: CAD980887418
TSD County: 1
Waste Category: Waste oil and mixed oil
Disposal Method: Recycler
Tons: 2.9190
Facility County: San Joaquin

Click this hyperlink while viewing on your computer to access additional CA_HAZNET: detail in the EDR Site Report.

152
NW
> 1
2.384 mi.
12585 ft.

M AND T SOUZA **RCRA NonGen / NLR** **1000596934**
19720 W GRANT LINE RD **FINDS** **CAD983609249**
TRACY, CA 95376

Relative:
Lower

Actual:
134 ft.

RCRA NonGen / NLR:
Date form received by agency: 10/23/1991
Facility name: M AND T SOUZA
Facility address: 19720 W GRANT LINE RD
TRACY, CA 95376
EPA ID: CAD983609249
Contact: SOUZA MARIANNE
Contact address: 19720 W GRANT LINE RD
TRACY, CA 95376
Contact country: US
Contact telephone: (209) 836-9585
Contact email: Not reported
EPA Region: Not reported
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:
Owner/operator name: TONY AND MARIANNE SOUZA
Owner/operator address: 19720 W GRANT LINE RD
TRACY, CA 95376
Owner/operator country: Not reported
Owner/operator telephone: (209) 836-9585
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: Yes
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No

M AND T SOUZA (Continued) **1000596934**

Used oil transfer facility: No
Used oil transporter: No

Violation Status: No violations found

FINDS:

Registry ID: 110006482546

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

153
SSE
> 1
2.396 mi.
12650 ft.

Relative:
Higher

Actual:
331 ft.

COAST EXPLORATION COMPANY **UIC** **S111647033**
N/A

SAN JOAQUIN (County), CA

UIC:

API Number:	07700380
Confidential Well:	N
Well Number:	1-1
Lease Name:	TF
Well Located On A BLW Lease:	N
Field Name:	Any Field
Area Name:	Any Area
Section:	2
Township:	03S
Range:	04E
Base And Meridian; Part Of The PLSS:	MD
Elevation:	Not reported
Location Desc:	Not reported
Latitude:	37.70031
Longitude:	-121.5041
GIS Source Code:	hud
Comments:	Status Code 006

AB154
NW
> 1
2.424 mi.
12797 ft.

Relative:
Lower

Actual:
139 ft.

CDL **S107530426**
N/A

19814 W GRANT LINE RD
TRACY, CA 95376

Site 1 of 5 in cluster AB

CDL:

Facility ID:	199909098
Lab Type:	Illegal Drug Lab (L) - location where an illegal drug lab was operated or drug lab equipment and/or materials were stored.

AB155 **MARIE M RAYHER** **HIST UST** **U001608501**
NW **19822 W GRANT LINE RD** **N/A**
> 1 **TRACY, CA 95376**
2.428 mi.
12819 ft. **Site 2 of 5 in cluster AB**

Relative:
Lower

Actual:
140 ft.

HIST UST:

Region:	STATE
Facility ID:	00000022352
Facility Type:	Other
Other Type:	FARM
Total Tanks:	0001
Contact Name:	Not reported
Telephone:	2098359009
Owner Name:	MARIE M. RAYHER
Owner Address:	19822 W. GRANT LINE RD
Owner City,St,Zip:	TRACY, CA 95371
Tank Num:	001
Container Num:	1
Year Installed:	Not reported
Tank Capacity:	00000500
Tank Used for:	PRODUCT
Type of Fuel:	Not reported
Tank Construction:	Not reported
Leak Detection:	None

AB156 **RAYHER, BILL** **UST** **U004024665**
NW **19822 W GRANT LINE RD** **N/A**
> 1 **TRACY, CA 95376**
2.428 mi.
12819 ft. **Site 3 of 5 in cluster AB**

Relative:
Lower

Actual:
140 ft.

UST SAN JOAQUIN:

Region:	SJ
Facility Id:	FA0006159
Mail Address:	19822 W GRANT LINE RD
Mail Care of:	RAYHER, BILL
Mail City,St,Zip:	TRACY, CA 95376
Tank Rec ID:	TA0504309
Tank Number:	1
Tank Status:	CLOSED
Tank Capacity:	0
Product Code/Type:	09/OTHER
Program Element:	2322

AB157 **SHEA HOMES - NEIGHBORHOOD C** **VCP** **S108407594**
NW **19855 WEST GRANT LINE ROAD** **ENVIROSTOR** **N/A**
> 1 **TRACY, CA 95391**
2.428 mi.
12822 ft. **Site 4 of 5 in cluster AB**

Relative:
Lower

Actual:
139 ft.

VCP:

Facility ID:	60000564
Site Type:	Voluntary Cleanup
Site Type Detail:	Voluntary Cleanup
Site Mgmt. Req.:	NONE SPECIFIED

SHEA HOMES - NEIGHBORHOOD C (Continued) **S108407594**

Acres:	64
National Priorities List:	NO
Cleanup Oversight Agencies:	SMBRP, SAN JOAQUIN COUNTY
Lead Agency:	SMBRP
Lead Agency Description:	DTSC - Site Mitigation And Brownfield Reuse Program
Project Manager:	Maria Gillette
Supervisor:	Steven Becker
Division Branch:	San Joaquin & Legacy Landfills
Site Code:	101854
Assembly:	13
Senate:	05
Special Programs Code:	Voluntary Cleanup Program
Status:	Inactive - Action Required
Status Date:	08/23/2007
Restricted Use:	NO
Funding:	Responsible Party
Lat/Long:	37.75813 / -121.5537
APN:	NONE SPECIFIED
Past Use:	AGRICULTURAL - ORCHARD, AGRICULTURAL - ORCHARD
Potential COC:	30207
Confirmed COC:	30207
Potential Description:	SOIL
Alias Name:	110033608344
Alias Type:	EPA (FRS #)
Alias Name:	101854
Alias Type:	Project Code (Site Code)
Alias Name:	60000564
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Voluntary Cleanup Agreement
Completed Date:	06/04/2007
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	CEQA - Notice of Exemption
Completed Date:	07/19/2007
Comments:	DTSC, as Lead Agency, prepares a Notice of Exemption (NOE) for the Shea Homes Neighborhood C Draft Removal Action Work Plan. The NOE fulfills DTSC's compliance requirements with the California Environmental Quality Act (CEQA).
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Voluntary Cleanup Agreement
Completed Date:	06/05/2007
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Preliminary Endangerment Assessment Report
Completed Date:	07/18/2007
Comments:	DTSC approves the Phase II Environmental Site Assessment (PEA Equivalency Report Document)on 7/18/2007.

SHEA HOMES - NEIGHBORHOOD C (Continued) **S108407594**

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Workplan
Completed Date: 10/11/2007
Comments: DTSC approves the Draft Removal Action Work Plan (RAW) for the Shea Homes Mountain House Site on 7/20/2007.

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

ENVIROSTOR:
Site Type: Voluntary Cleanup
Site Type Detailed: Voluntary Cleanup
Acres: 64
NPL: NO
Regulatory Agencies: SMBRP, SAN JOAQUIN COUNTY
Lead Agency: SMBRP
Program Manager: Maria Gillette
Supervisor: Steven Becker
Division Branch: San Joaquin & Legacy Landfills
Facility ID: 60000564
Site Code: 101854
Assembly: 13
Senate: 05
Special Program: Voluntary Cleanup Program
Status: Inactive - Action Required
Status Date: 08/23/2007
Restricted Use: NO
Site Mgmt. Req.: NONE SPECIFIED
Funding: Responsible Party
Latitude: 37.75813
Longitude: -121.5537
APN: NONE SPECIFIED
Past Use: AGRICULTURAL - ORCHARD, AGRICULTURAL - ORCHARD
Potential COC: 30207
Confirmed COC: 30207
Potential Description: SOIL
Alias Name: 110033608344
Alias Type: EPA (FRS #)
Alias Name: 101854
Alias Type: Project Code (Site Code)
Alias Name: 60000564
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Voluntary Cleanup Agreement
Completed Date: 06/04/2007
Comments: Not reported

SHEA HOMES - NEIGHBORHOOD C (Continued) **S108407594**

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	CEQA - Notice of Exemption
Completed Date:	07/19/2007
Comments:	DTSC, as Lead Agency, prepares a Notice of Exemption (NOE) for the Shea Homes Neighborhood C Draft Removal Action Work Plan. The NOE fulfills DTSC's compliance requirements with the California Environmental Quality Act (CEQA).

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Voluntary Cleanup Agreement
Completed Date:	06/05/2007
Comments:	Not reported

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Preliminary Endangerment Assessment Report
Completed Date:	07/18/2007
Comments:	DTSC approves the Phase II Environmental Site Assessment (PEA Equivalency Report Document)on 7/18/2007.

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Removal Action Workplan
Completed Date:	10/11/2007
Comments:	DTSC approves the Draft Removal Action Work Plan (RAW) for the Shea Homes Mountain House Site on 7/20/2007.

Future Area Name:	Not reported
Future Sub Area Name:	Not reported
Future Document Type:	Not reported
Future Due Date:	Not reported
Schedule Area Name:	Not reported
Schedule Sub Area Name:	Not reported
Schedule Document Type:	Not reported
Schedule Due Date:	Not reported
Schedule Revised Date:	Not reported

AB158 **SHEA HOMES - NEIGHBORHOOD C** **FINDS** **1010729513**
NW **19855 WEST GRANT LINE ROAD** **N/A**
> 1 **TRACY, CA 95391**
2.428 mi.
12822 ft. **Site 5 of 5 in cluster AB**

Relative:
Lower

Actual:
139 ft.

FINDS:

Registry ID: 110033608344

Environmental Interest/Information System

California Department of Toxic Substances Control EnviroStor System (DTSC-EnviroStor) is an online search and Geographic Information System (GIS) tool for identifying sites that have known contamination or sites for which there may be reasons to investigate further. The EnviroStor database includes the following site types: Federal Superfund sites (National Priorities List (NPL)); State Response, including Military Facilities and State Superfund; Voluntary Cleanup; and School sites.

159
East
> 1
2.440 mi.
12884 ft.

KIMBALL HIGH SCHOOL
24606 SOUTH LAMMERS ROAD
TRACY, CA 95376

SCH **S105954585**
NPDES **N/A**
ENVIROSTOR

Relative:
Lower

Actual:
68 ft.

SCH:

Facility ID:	39010040
Site Type:	School Cleanup
Site Type Detail:	School
Site Mgmt. Req.:	NONE SPECIFIED
Acres:	61.97
National Priorities List:	NO
Cleanup Oversight Agencies:	SMBRP
Lead Agency:	SMBRP
Lead Agency Description:	DTSC - Site Mitigation And Brownfield Reuse Program
Project Manager:	Neal Hutchison
Supervisor:	Juan Koponen
Division Branch:	Northern California Schools & Santa Susana
Site Code:	104281
Assembly:	13
Senate:	05
Special Program Status:	Not reported
Status:	Active
Status Date:	10/04/2012
Restricted Use:	NO
Funding:	School District
Latitude:	37.73218
Longitude:	-121.4761
APN:	240-02-02, 240-04-001, 240-04-01
Past Use:	AGRICULTURAL - ROW CROPS, RESIDENTIAL AREA
Potential COC:	, 30001, 30006, 30007, 30008, 30013, 30023
Confirmed COC:	30023-NO,30001-NO,30006-NO,30007-NO,30008-NO,30013-NO,31000
Potential Description:	SOIL
Alias Name:	Kimball High
Alias Type:	Alternate Name
Alias Name:	TRACY JOINT USD
Alias Type:	Alternate Name
Alias Name:	TRACY LEARNING CENTER
Alias Type:	Alternate Name
Alias Name:	TRACY USD-TRACY LEARNING CENTER
Alias Type:	Alternate Name
Alias Name:	240-02-02
Alias Type:	APN
Alias Name:	240-04-001
Alias Type:	APN
Alias Name:	240-04-01
Alias Type:	APN
Alias Name:	104281
Alias Type:	Project Code (Site Code)
Alias Name:	39010040
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	CEQA - Responsible Agency Review
Completed Date:	12/21/2005
Comments:	Not reported

KIMBALL HIGH SCHOOL (Continued) **S105954585**

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: School Cleanup Agreement
Completed Date: 12/18/2006
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Inactive Status Letter
Completed Date: 01/22/2007
Comments: PDF of inactive letter sent via e-mail and original hardcopy sent to District by US mail.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Inspections/Visit (Non LUR)
Completed Date: 06/14/2006
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Inspections/Visit (Non LUR)
Completed Date: 07/24/2002
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Cost Recovery Closeout Memo
Completed Date: 10/31/2002
Comments: Not reported

Completed Area Name: Parcels 1 and 2
Completed Sub Area Name: Not reported
Completed Document Type: Partial Site Approval
Completed Date: 12/21/2006
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Phase 1
Completed Date: 01/23/2006
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Workplan
Completed Date: 06/07/2006
Comments: DTSC approved the PEA Tech Memo Workplan.

Completed Area Name: Parcels 1 and 2
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 10/12/2006
Comments: DTSC approved the PEA Report with a partial site approval determination for parcels 1 & 2, and further action for parcel 3.

Future Area Name: Not reported

KIMBALL HIGH SCHOOL (Continued) **S105954585**

Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

NPDES:

Npdes Number:	CAS000002
Facility Status:	Terminated
Agency Id:	0
Region:	5S
Regulatory Measure Id:	334372
Order No:	2009-0009-DWQ
Regulatory Measure Type:	Enrollee
Place Id:	Not reported
WDID:	5S39C349574
Program Type:	Construction
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	10/31/2007
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	09/02/2010
Discharge Name:	Tracy USD
Discharge Address:	1875 W Lowell Ave
Discharge City:	Tracy
Discharge State:	California
Discharge Zip:	95376

ENVIROSTOR:

Site Type:	School Cleanup
Site Type Detailed:	School
Acres:	61.97
NPL:	NO
Regulatory Agencies:	SMBRP
Lead Agency:	SMBRP
Program Manager:	Neal Hutchison
Supervisor:	Juan Koponen
Division Branch:	Northern California Schools & Santa Susana
Facility ID:	39010040
Site Code:	104281
Assembly:	13
Senate:	05
Special Program:	Not reported
Status:	Active
Status Date:	10/04/2012
Restricted Use:	NO
Site Mgmt. Req.:	NONE SPECIFIED
Funding:	School District
Latitude:	37.73218
Longitude:	-121.4761
APN:	240-02-02, 240-04-001, 240-04-01
Past Use:	AGRICULTURAL - ROW CROPS, RESIDENTIAL AREA
Potential COC:	, 30001, 30006, 30007, 30008, 30013, 30023
Confirmed COC:	30023-NO,30001-NO,30006-NO,30007-NO,30008-NO,30013-NO,31000

KIMBALL HIGH SCHOOL (Continued) **S105954585**

Potential Description: SOIL
Alias Name: Kimball High
Alias Type: Alternate Name
Alias Name: TRACY JOINT USD
Alias Type: Alternate Name
Alias Name: TRACY LEARNING CENTER
Alias Type: Alternate Name
Alias Name: TRACY USD-TRACY LEARNING CENTER
Alias Type: Alternate Name
Alias Name: 240-02-02
Alias Type: APN
Alias Name: 240-04-001
Alias Type: APN
Alias Name: 240-04-01
Alias Type: APN
Alias Name: 104281
Alias Type: Project Code (Site Code)
Alias Name: 39010040
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: CEQA - Responsible Agency Review
Completed Date: 12/21/2005
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: School Cleanup Agreement
Completed Date: 12/18/2006
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Inactive Status Letter
Completed Date: 01/22/2007
Comments: PDF of inactive letter sent via e-mail and original hardcopy sent to District by US mail.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Inspections/Visit (Non LUR)
Completed Date: 06/14/2006
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Inspections/Visit (Non LUR)
Completed Date: 07/24/2002
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Cost Recovery Closeout Memo
Completed Date: 10/31/2002
Comments: Not reported

KIMBALL HIGH SCHOOL (Continued) **S105954585**

Completed Area Name:	Parcels 1 and 2
Completed Sub Area Name:	Not reported
Completed Document Type:	Partial Site Approval
Completed Date:	12/21/2006
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Phase 1
Completed Date:	01/23/2006
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Preliminary Endangerment Assessment Workplan
Completed Date:	06/07/2006
Comments:	DTSC approved the PEA Tech Memo Workplan.
Completed Area Name:	Parcels 1 and 2
Completed Sub Area Name:	Not reported
Completed Document Type:	Preliminary Endangerment Assessment Report
Completed Date:	10/12/2006
Comments:	DTSC approved the PEA Report with a partial site approval determination for parcels 1 & 2, and further action for parcel 3.
Future Area Name:	Not reported
Future Sub Area Name:	Not reported
Future Document Type:	Not reported
Future Due Date:	Not reported
Schedule Area Name:	Not reported
Schedule Sub Area Name:	Not reported
Schedule Document Type:	Not reported
Schedule Due Date:	Not reported
Schedule Revised Date:	Not reported

160
East
> 1
2.447 mi.
12919 ft.

POMBO RANCH **HIST CORTESE** **S104403612**
24100 LAMMERS **LUST** **N/A**
TRACY, CA 95376

Relative:
Lower

Actual:
61 ft.

CORTESE:

Region:	CORTESE
Facility County Code:	39
Reg By:	LTNKA
Reg Id:	391027

LUST:

Region:	STATE
Global Id:	T0607700846
Latitude:	37.7369363
Longitude:	-121.4765541
Case Type:	LUST Cleanup Site
Status:	Completed - Case Closed
Status Date:	09/19/2006
Lead Agency:	SAN JOAQUIN COUNTY LOP
Case Worker:	LOR

POMBO RANCH (Continued) **S104403612**

Local Agency: SAN JOAQUIN COUNTY LOP
RB Case Number: 391027
LOC Case Number: 508110
File Location: Local Agency
Potential Media Affect: Aquifer used for drinking water supply
Potential Contaminants of Concern: Gasoline
Site History: Not reported

Click here to access the California GeoTracker records for this facility:

LUST:
Global Id: T0607700846
Contact Type: Regional Board Caseworker
Contact Name: JAMES BARTON
Organization Name: CENTRAL VALLEY RWQCB (REGION 5S)
Address: 11020 SUN CENTER DRIVE #200
City: RANCHO CORDOVA
Email: jbarton@waterboards.ca.gov
Phone Number: Not reported

Global Id: T0607700846
Contact Type: Local Agency Caseworker
Contact Name: LORI DUNCAN
Organization Name: SAN JOAQUIN COUNTY LOP
Address: 600 E. MAIN STREET
City: STOCKTON
Email: lduncan@sjcehd.com
Phone Number: Not reported

LUST:
Global Id: T0607700846
Action Type: ENFORCEMENT
Date: 12/28/2000
Action: Staff Letter

Global Id: T0607700846
Action Type: ENFORCEMENT
Date: 07/10/2006
Action: Staff Letter

Global Id: T0607700846
Action Type: ENFORCEMENT
Date: 11/18/1998
Action: Notice of Responsibility

Global Id: T0607700846
Action Type: REMEDIATION
Date: 01/01/1950
Action: Excavation

Global Id: T0607700846
Action Type: Other
Date: 01/01/1950
Action: Leak Discovery

Global Id: T0607700846
Action Type: Other

POMBO RANCH (Continued) **S104403612**

Date: 01/01/1950
Action: Leak Reported

LUST REG 5:
Region: 5
Status: Case Closed
Case Number: 391027
Case Type: Drinking Water Aquifer affected
Substance: GASOLINE
Staff Initials: JLB
Lead Agency: Local
Program: LUST
MTBE Code: 6

---

161 **CDL** **S109254017**
NW **19942 W GRANT LINE RD** **N/A**
> 1 **MOUNTAIN HOUSE, CA 95391**
2.461 mi.
12994 ft.

Relative:
Lower

Actual:
143 ft.

CDL:
Facility ID: 200809017
Lab Type: Illegal Drug Lab (L) - location where an illegal drug lab was operated or drug lab equipment and/or materials were stored.

---

162 **D & L CARGO** **HAZNET** **S109927330**
NE **14222 W BYRON RD** **N/A**
> 1 **TRACY, CA 95304**
2.465 mi.
13014 ft.

Relative:
Lower

Actual:
32 ft.

HAZNET:
Year: 2008
Gepaid: CAC002625806
Contact: DAVE GRAVETTE
Telephone: 9253733556
Mailing Name: Not reported
Mailing Address: 4416 BROOKS RD
Mailing City,St,Zip: VALLEY SPRINGS, CA 952529404
Gen County: San Joaquin
TSD EPA ID: CAT000646117
TSD County: Kings
Waste Category: Contaminated soil from site clean-up
Disposal Method: Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Tons: 104
Facility County: San Joaquin

Year: 2008
Gepaid: CAC002625806
Contact: DAVE GRAVETTE
Telephone: 9253733556
Mailing Name: Not reported
Mailing Address: 4416 BROOKS RD
Mailing City,St,Zip: VALLEY SPRINGS, CA 952529404

D & L CARGO (Continued) **S109927330**

Gen County:	San Joaquin
TSD EPA ID:	CAD980887418
TSD County:	Alameda
Waste Category:	Unspecified oil-containing waste
Disposal Method:	Discharge To Sewer/Potw Or Npdes(With Prior Storage--With Or Without Treatment)
Tons:	8.34
Facility County:	San Joaquin
Year:	2008
Gepaid:	CAC002625806
Contact:	DAVE GRAVETTE
Telephone:	9253733556
Mailing Name:	Not reported
Mailing Address:	4416 BROOKS RD
Mailing City,St,Zip:	VALLEY SPRINGS, CA 952529404
Gen County:	San Joaquin
TSD EPA ID:	CAD980884183
TSD County:	Sacramento
Waste Category:	Unspecified oil-containing waste
Disposal Method:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	21.15
Facility County:	San Joaquin

AC163 **POMBO RANCH** **UST** **U004024595**
East **24100 S LAMMERS RD** **N/A**
> 1 **TRACY, CA 95376**
2.475 mi.
13069 ft. **Site 1 of 3 in cluster AC**

Relative:
Lower

Actual:
58 ft.

UST SAN JOAQUIN:

Region:	SJ
Facility Id:	FA0006134
Mail Address:	PO BOX 805
Mail Care of:	ESTATE OF ERNEST J POMBO
Mail City,St,Zip:	TRACY, CA 95376
Tank Rec ID:	TA0504236
Tank Number:	1
Tank Status:	CLOSED
Tank Capacity:	0
Product Code/Type:	1A/REGULAR UNLEADED
Program Element:	2323
Tank Rec ID:	TA0504237
Tank Number:	2
Tank Status:	CLOSED
Tank Capacity:	0
Product Code/Type:	1A/REGULAR UNLEADED
Program Element:	2323

AC164 **ERNEST POMBO** **CA FID UST** **S101593379**
East **24100 S LAMMERS RD** **SWEEPS UST** **N/A**
> 1 **TRACY, CA 95376**
2.475 mi.
13069 ft. **Site 2 of 3 in cluster AC**

Relative:
Lower

Actual:
58 ft.

CA FID UST:

Facility ID:	39003854
Regulated By:	UTNKI
Regulated ID:	Not reported
Cortese Code:	Not reported
SIC Code:	Not reported
Facility Phone:	Not reported
Mail To:	Not reported
Mailing Address:	24100 S LAMMERS RD
Mailing Address 2:	Not reported
Mailing City,St,Zip:	TRACY 95376
Contact:	Not reported
Contact Phone:	Not reported
DUNs Number:	Not reported
NPDES Number:	Not reported
EPA ID:	Not reported
Comments:	Not reported
Status:	Inactive

SWEEPS UST:

Status:	Not reported
Comp Number:	4068
Number:	Not reported
Board Of Equalization:	Not reported
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Tank Status:	Not reported
Owner Tank Id:	Not reported
Swrcb Tank Id:	39-000-004068-000001
Actv Date:	Not reported
Capacity:	5000
Tank Use:	M.V. FUEL
Stg:	PRODUCT
Content:	LEADED
Number Of Tanks:	2

Status:	Not reported
Comp Number:	4068
Number:	Not reported
Board Of Equalization:	Not reported
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Tank Status:	Not reported
Owner Tank Id:	Not reported
Swrcb Tank Id:	39-000-004068-000002
Actv Date:	Not reported
Capacity:	10000
Tank Use:	M.V. FUEL
Stg:	PRODUCT
Content:	DIESEL
Number Of Tanks:	Not reported

AC165
East
> 1
2.475 mi.
13069 ft.

POMBO REAL ESTATE
24100 S LAMMERS RD
TRACY, CA 95376

Site 3 of 3 in cluster AC

HIST UST **U001608524**
N/A

Relative:
Lower

Actual:
58 ft.

HIST UST:

Region:	STATE
Facility ID:	00000034530
Facility Type:	Other
Other Type:	FARM/RANCH OPER.
Total Tanks:	0002
Contact Name:	ERNEST J. POMBO JR
Telephone:	2098354949
Owner Name:	ERNEST J. POMBO
Owner Address:	P.O. BOX 805
Owner City,St,Zip:	TRACY, CA 95376
Tank Num:	001
Container Num:	1
Year Installed:	1981
Tank Capacity:	00005000
Tank Used for:	PRODUCT
Type of Fuel:	REGULAR
Tank Construction:	Not reported
Leak Detection:	Stock Inventor
Tank Num:	002
Container Num:	2
Year Installed:	1983
Tank Capacity:	00010000
Tank Used for:	PRODUCT
Type of Fuel:	DIESEL
Tank Construction:	Not reported
Leak Detection:	Visual, Stock Inventor

166
NNE
> 1
2.494 mi.
13169 ft.

TOWNE EXPLORATION COMPANY

SAN JOAQUIN (County), CA

UIC **S111647295**
N/A

Relative:
Lower

Actual:
29 ft.

UIC:

API Number:	07720067
Confidential Well:	N
Well Number:	1
Lease Name:	Bethany
Well Located On A BLW Lease:	N
Field Name:	Any Field
Area Name:	Any Area
Section:	11
Township:	02S
Range:	04E
Base And Meridian; Part Of The PLSS:	MD
Elevation:	Not reported
Location Desc:	Not reported
Latitude:	37.76696
Longitude:	-121.5082
GIS Source Code:	hud
Comments:	Status Code 006

167
NE
> 1
2.506 mi.
13234 ft.

NAHAMA & WEAGANT ENERGY COMPANY
SAN JOAQUIN (County), CA

UIC **S111647734**
N/A

Relative:
Lower

Actual:
24 ft.

UIC:

API Number:	07720554
Confidential Well:	N
Well Number:	1-13
Lease Name:	West Tracy
Well Located On A BLW Lease:	N
Field Name:	Tracy, West, Gas (ABD)
Area Name:	Any Area
Section:	13
Township:	02S
Range:	04E
Base And Meridian; Part Of The PLSS:	MD
Elevation:	34
Location Desc:	Not reported
Latitude:	37.75836
Longitude:	-121.4893
GIS Source Code:	hud
Comments:	Status Code 006

AD168
NE
> 1
2.563 mi.
13532 ft.

INTERLAND CORP
8715 GRANT LINE RD W
TRACY, CA 95376
Site 1 of 2 in cluster AD

HIST CORTESE **S104403441**
LUST **N/A**

Relative:
Lower

Actual:
27 ft.

CORTESE:

Region:	CORTESE
Facility County Code:	39
Reg By:	LTNKA
Reg Id:	390518

LUST:

Region:	STATE
Global Id:	T0607700404
Latitude:	37.7543688
Longitude:	-121.412344
Case Type:	LUST Cleanup Site
Status:	Completed - Case Closed
Status Date:	12/16/1991
Lead Agency:	SAN JOAQUIN COUNTY LOP
Case Worker:	DIA
Local Agency:	Not reported
RB Case Number:	390518
LOC Case Number:	2287
File Location:	Not reported
Potential Media Affect:	Aquifer used for drinking water supply
Potential Contaminants of Concern:	Gasoline
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

LUST:

Global Id:	T0607700404
Contact Type:	Regional Board Caseworker

INTERLAND CORP (Continued) **S104403441**

Contact Name: JAMES BARTON
Organization Name: CENTRAL VALLEY RWQCB (REGION 5S)
Address: 11020 SUN CENTER DRIVE #200
City: RANCHO CORDOVA
Email: jbarton@waterboards.ca.gov
Phone Number: Not reported

LUST:
Global Id: T0607700404
Action Type: Other
Date: 01/01/1950
Action: Leak Discovery

Global Id: T0607700404
Action Type: Other
Date: 01/01/1950
Action: Leak Reported

LUST REG 5:
Region: 5
Status: Case Closed
Case Number: 390518
Case Type: Drinking Water Aquifer affected
Substance: GASOLINE
Staff Initials: JLB
Lead Agency: Local
Program: LUST
MTBE Code: N/A

AD169 **TONY CARDOZA ET AL** **CA FID UST** **S101593008**
NE **8715 W GRANTLINE RD** **SWEEPS UST** **N/A**
> 1 **TRACY, CA 95376**
2.563 mi.
13532 ft. **Site 2 of 2 in cluster AD**

Relative:
Lower

Actual:
27 ft.

CA FID UST:
Facility ID: 39001264
Regulated By: UTNKI
Regulated ID: Not reported
Cortese Code: Not reported
SIC Code: Not reported
Facility Phone: Not reported
Mail To: Not reported
Mailing Address: 8715 W GRANTLINE RD
Mailing Address 2: Not reported
Mailing City,St,Zip: TRACY 95376
Contact: Not reported
Contact Phone: Not reported
DUNs Number: Not reported
NPDES Number: Not reported
EPA ID: Not reported
Comments: Not reported
Status: Inactive

SWEEPS UST:

TONY CARDOZA ET AL (Continued) **S101593008**

Status:	Not reported
Comp Number:	2287
Number:	Not reported
Board Of Equalization:	Not reported
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Tank Status:	Not reported
Owner Tank Id:	Not reported
Swrcb Tank Id:	39-000-002287-000001
Actv Date:	Not reported
Capacity:	550
Tank Use:	M.V. FUEL
Stg:	PRODUCT
Content:	REG UNLEADED
Number Of Tanks:	3

Status:	Not reported
Comp Number:	2287
Number:	Not reported
Board Of Equalization:	Not reported
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Tank Status:	Not reported
Owner Tank Id:	Not reported
Swrcb Tank Id:	39-000-002287-000002
Actv Date:	Not reported
Capacity:	550
Tank Use:	M.V. FUEL
Stg:	PRODUCT
Content:	REG UNLEADED
Number Of Tanks:	Not reported

Status:	Not reported
Comp Number:	2287
Number:	Not reported
Board Of Equalization:	Not reported
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Tank Status:	Not reported
Owner Tank Id:	Not reported
Swrcb Tank Id:	39-000-002287-000003
Actv Date:	Not reported
Capacity:	110
Tank Use:	OIL
Stg:	WASTE
Content:	REGULAR UNLE
Number Of Tanks:	Not reported

AE170 **CALDRONS GENERAL STORE** **UST** **U004023462**
ENE **12750 W BYRON RD** **N/A**
> 1 **TRACY, CA 95376**
2.629 mi.
13880 ft. **Site 1 of 5 in cluster AE**

Relative:
Lower

Actual:
33 ft.

UST SAN JOAQUIN:

Region:	SJ
Facility Id:	FA0004719
Mail Address:	12750 W BYRON RD
Mail Care of:	FRANK CALDRON
Mail City,St,Zip:	TRACY, CA 95376
Tank Rec ID:	TA0500306
Tank Number:	1
Tank Status:	CLOSED
Tank Capacity:	2000
Product Code/Type:	09/OTHER
Program Element:	2380
Tank Rec ID:	TA0500307
Tank Number:	2
Tank Status:	CLOSED
Tank Capacity:	2000
Product Code/Type:	09/OTHER
Program Element:	2380

AE171 **CALDRON'S GENERAL STORE** **HIST UST** **U001608415**
ENE **12750 WEST BYRON ROAD** **N/A**
> 1 **TRACY, CA 95376**
2.629 mi.
13880 ft. **Site 2 of 5 in cluster AE**

Relative:
Lower

Actual:
33 ft.

HIST UST:

Region:	STATE
Facility ID:	00000068931
Facility Type:	Other
Other Type:	CLOTHING AND WESTERN
Total Tanks:	0002
Contact Name:	Not reported
Telephone:	2098358790
Owner Name:	ALFRED FRANK CALDRON
Owner Address:	12750 WEST BYRON ROAD
Owner City,St,Zip:	TRACY, CA 95376
Tank Num:	001
Container Num:	1
Year Installed:	Not reported
Tank Capacity:	00002000
Tank Used for:	WASTE
Type of Fuel:	1
Tank Construction:	Unkown gauge
Leak Detection:	None
Tank Num:	002
Container Num:	2
Year Installed:	Not reported
Tank Capacity:	00002000
Tank Used for:	PRODUCT

CALDRON'S GENERAL STORE (Continued) **U001608415**

Type of Fuel: UNLEADED
Tank Construction: Not reported
Leak Detection: None

AE172 **CALDRONS GENERAL STORE** **CA FID UST** **S101626833**
ENE **12750 W BYRON ROAD** **SWEEPS UST** **N/A**
> 1 **TRACY, CA 95376**
2.629 mi.
13880 ft. **Site 3 of 5 in cluster AE**

Relative:
Lower

Actual:
33 ft.

CA FID UST:
Facility ID: 39000548
Regulated By: UTNKI
Regulated ID: Not reported
Cortese Code: Not reported
SIC Code: Not reported
Facility Phone: 2098358790
Mail To: Not reported
Mailing Address: 12750 W BYRON RD
Mailing Address 2: Not reported
Mailing City,St,Zip: TRACY 95376
Contact: Not reported
Contact Phone: Not reported
DUNs Number: Not reported
NPDES Number: Not reported
EPA ID: Not reported
Comments: Not reported
Status: Inactive

SWEEPS UST:
Status: Not reported
Comp Number: 1531
Number: Not reported
Board Of Equalization: 44-024742
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Tank Status: Not reported
Owner Tank Id: Not reported
Swrcb Tank Id: 39-000-001531-000001
Actv Date: Not reported
Capacity: 2000
Tank Use: M.V. FUEL
Stg: PRODUCT
Content: REG UNLEADED
Number Of Tanks: 2

Status: Not reported
Comp Number: 1531
Number: Not reported
Board Of Equalization: 44-024742
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Tank Status: Not reported
Owner Tank Id: Not reported
Swrcb Tank Id: 39-000-001531-000002

CALDRONS GENERAL STORE (Continued) **S101626833**

Actv Date:	Not reported
Capacity:	2000
Tank Use:	M.V. FUEL
Stg:	PRODUCT
Content:	REG UNLEADED
Number Of Tanks:	Not reported

AE173 **P & C AUTO RECYCLERS** **HAZNET** **S103626975**
ENE **12600 W BYRON RD** **N/A**
> 1 **TRACY, CA 95376**
2.630 mi.
13886 ft. **Site 4 of 5 in cluster AE**

Relative:
Lower

Actual:
34 ft.

HAZNET:

Year:	2002
Gepaid:	CAL000068697
Contact:	GREG PIRNIK
Telephone:	2098330418
Mailing Name:	Not reported
Mailing Address:	2520 W BYRON RD
Mailing City,St,Zip:	TRACY, CA 953760000
Gen County:	San Joaquin
TSD EPA ID:	Not reported
TSD County:	Santa Clara
Waste Category:	Aqueous solution with total organic residues less than 10 percent
Disposal Method:	Recycler
Tons:	0.10
Facility County:	Not reported

Year:	2001
Gepaid:	CAL000068697
Contact:	GREG PIRNIK
Telephone:	2098330418
Mailing Name:	Not reported
Mailing Address:	2520 W BYRON RD
Mailing City,St,Zip:	TRACY, CA 953760000
Gen County:	San Joaquin
TSD EPA ID:	Not reported
TSD County:	Santa Clara
Waste Category:	Waste oil and mixed oil
Disposal Method:	Recycler
Tons:	1.16
Facility County:	Not reported

Year:	2001
Gepaid:	CAL000068697
Contact:	GREG PIRNIK
Telephone:	2098330418
Mailing Name:	Not reported
Mailing Address:	2520 W BYRON RD
Mailing City,St,Zip:	TRACY, CA 953760000
Gen County:	San Joaquin
TSD EPA ID:	Not reported
TSD County:	Santa Clara
Waste Category:	Aqueous solution with total organic residues less than 10 percent
Disposal Method:	Recycler
Tons:	0.43
Facility County:	Not reported

P & C AUTO RECYCLERS (Continued) **S103626975**

Year:	2000
Gepaid:	CAL000068697
Contact:	PIRNIK DAVID
Telephone:	0000000000
Mailing Name:	Not reported
Mailing Address:	2520 W BYRON RD
Mailing City,St,Zip:	TRACY, CA 953760000
Gen County:	San Joaquin
TSD EPA ID:	CAL000161743
TSD County:	Santa Clara
Waste Category:	Aqueous solution with total organic residues less than 10 percent
Disposal Method:	Recycler
Tons:	.4169
Facility County:	San Joaquin

Year:	1999
Gepaid:	CAL000068697
Contact:	PIRNIK DAVID
Telephone:	0000000000
Mailing Name:	Not reported
Mailing Address:	2520 W BYRON RD
Mailing City,St,Zip:	TRACY, CA 953760000
Gen County:	San Joaquin
TSD EPA ID:	CAL000161743
TSD County:	Santa Clara
Waste Category:	Aqueous solution with total organic residues less than 10 percent
Disposal Method:	Transfer Station
Tons:	0.9173
Facility County:	San Joaquin

Click this hyperlink while viewing on your computer to access
3 additional CA_HAZNET: record(s) in the EDR Site Report.

AE174 **CHEVRON PIPE LINE COMPANY, MCCORMACK** SOME ARCHIVED** **SLIC** **S106230403**
ENE **12450 BYRON RD W** **N/A**
> 1 **TRACY, CA**
2.631 mi.
13893 ft. **Site 5 of 5 in cluster AE**

Relative:
Lower

Actual:
34 ft.

SLIC REG 5:

Region:	5
Facility Status:	Closed by County
Unit:	Facility is a Spill or site
Pollutant:	TPH
Lead Agency:	Not reported
Date Filed:	05/01/97
Report Date:	04/21/97
Date Added:	Not reported
Date Closed:	Not reported

175
ENE
> 1
2.633 mi.
13902 ft.

1262 ANNAMARIE WAY
TRACY, CA 95377

EDR US Hist Auto Stat **1015195156**
N/A

Relative:
Lower

Actual:
48 ft.

EDR Historical Auto Stations:
Name: FAMILY AUTO BODY
Year: 2008
Address: 1262 ANNAMARIE WAY

AF176
NE
> 1
2.638 mi.
13926 ft.

OLD VALLEY PIPELINE - MANSFIELD SITE
13880 W GRANT LINE RD
TRACY, CA 95304

Site 1 of 3 in cluster AF

FINDS **1010728008**
N/A

Relative:
Lower

Actual:
27 ft.

FINDS:

Registry ID: 110033612507

Environmental Interest/Information System

California Department of Toxic Substances Control EnviroStor System (DTSC-EnviroStor) is an online search and Geographic Information System (GIS) tool for identifying sites that have known contamination or sites for which there may be reasons to investigate further. The EnviroStor database includes the following site types: Federal Superfund sites (National Priorities List (NPL)); State Response, including Military Facilities and State Superfund; Voluntary Cleanup; and School sites.

AF177
NE
> 1
2.638 mi.
13926 ft.

OLD VALLEY PIPELINE - MANSFIELD SITE
13880 W GRANT LINE RD
TRACY, CA 95304

Site 2 of 3 in cluster AF

VCP **S106568317**
ENVIROSTOR **N/A**

Relative:
Lower

Actual:
27 ft.

VCP:

Facility ID:	39460002
Site Type:	Voluntary Cleanup
Site Type Detail:	Voluntary Cleanup
Site Mgmt. Req.:	NONE SPECIFIED
Acres:	Not reported
National Priorities List:	NO
Cleanup Oversight Agencies:	DTSC
Lead Agency:	DTSC
Lead Agency Description:	* DTSC
Project Manager:	Not reported
Supervisor:	Steven Becker
Division Branch:	Cleanup Sacramento
Site Code:	101220
Assembly:	13
Senate:	05
Special Programs Code:	Voluntary Cleanup Program
Status:	No Further Action
Status Date:	11/18/1999
Restricted Use:	NO

OLD VALLEY PIPELINE - MANSFIELD SITE (Continued) **S106568317**

Funding:	Responsible Party
Lat/Long:	37.75260 / -121.4802
APN:	20927030
Past Use:	TRANSPORTATION - PIPELINE
Potential COC:	10097
Confirmed COC:	NONE SPECIFIED
Potential Description:	SOIL
Alias Name:	CHEVRON MANSFIELD
Alias Type:	Alternate Name
Alias Name:	MANSFIELD PROPERTY
Alias Type:	Alternate Name
Alias Name:	OLD VALLEY
Alias Type:	Alternate Name
Alias Name:	OLD VALLEY PIPELINE
Alias Type:	Alternate Name
Alias Name:	OLD VALLEY PIPELINE - MANSFIELD SITE
Alias Type:	Alternate Name
Alias Name:	20927030
Alias Type:	APN
Alias Name:	110033612507
Alias Type:	EPA (FRS #)
Alias Name:	101220
Alias Type:	Project Code (Site Code)
Alias Name:	39460002
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Voluntary Cleanup Agreement
Completed Date:	10/06/1999
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	*Voluntary Cleanup Agreement Completion
Completed Date:	11/18/1999
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Correspondence
Completed Date:	11/16/1999
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Voluntary Cleanup Consultation
Completed Date:	11/18/1999
Comments:	VCONS/VCOMP - Completed the terms of the VCA. DTSC reviewed soil and groundwater investigation and screening risk assessment and determined that the residual levels of petroleum-related hydrocarbons in soil are below levels that would constitute a unacceptable risk.
Future Area Name:	Not reported
Future Sub Area Name:	Not reported
Future Document Type:	Not reported
Future Due Date:	Not reported

OLD VALLEY PIPELINE - MANSFIELD SITE (Continued) **S106568317**

Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

ENVIROSTOR:
Site Type: Voluntary Cleanup
Site Type Detailed: Voluntary Cleanup
Acres: Not reported
NPL: NO
Regulatory Agencies: DTSC
Lead Agency: DTSC
Program Manager: Not reported
Supervisor: Steven Becker
Division Branch: Cleanup Sacramento
Facility ID: 39460002
Site Code: 101220
Assembly: 13
Senate: 05
Special Program: Voluntary Cleanup Program
Status: No Further Action
Status Date: 11/18/1999
Restricted Use: NO
Site Mgmt. Req.: NONE SPECIFIED
Funding: Responsible Party
Latitude: 37.75260
Longitude: -121.4802
APN: 20927030
Past Use: TRANSPORTATION - PIPELINE
Potential COC: 10097
Confirmed COC: NONE SPECIFIED
Potential Description: SOIL
Alias Name: CHEVRON MANSFIELD
Alias Type: Alternate Name
Alias Name: MANSFIELD PROPERTY
Alias Type: Alternate Name
Alias Name: OLD VALLEY
Alias Type: Alternate Name
Alias Name: OLD VALLEY PIPELINE
Alias Type: Alternate Name
Alias Name: OLD VALLEY PIPELINE - MANSFIELD SITE
Alias Type: Alternate Name
Alias Name: 20927030
Alias Type: APN
Alias Name: 110033612507
Alias Type: EPA (FRS #)
Alias Name: 101220
Alias Type: Project Code (Site Code)
Alias Name: 39460002
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Voluntary Cleanup Agreement
Completed Date: 10/06/1999

OLD VALLEY PIPELINE - MANSFIELD SITE (Continued) **S106568317**

Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	*Voluntary Cleanup Agreement Completion
Completed Date:	11/18/1999
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Correspondence
Completed Date:	11/16/1999
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Voluntary Cleanup Consultation
Completed Date:	11/18/1999
Comments:	VCONS/VCOMP - Completed the terms of the VCA. DTSC reviewed soil and groundwater investigation and screening risk assessment and determined that the residual levels of petroleum-related hydrocarbons in soil are below levels that would constitute a unacceptable risk.
Future Area Name:	Not reported
Future Sub Area Name:	Not reported
Future Document Type:	Not reported
Future Due Date:	Not reported
Schedule Area Name:	Not reported
Schedule Sub Area Name:	Not reported
Schedule Document Type:	Not reported
Schedule Due Date:	Not reported
Schedule Revised Date:	Not reported

AF178 **VELMA PIMENTEL & SONS DAIRY** **HIST UST** **U001608562**
NE **8297 W GRANT LINE RD** **N/A**
> 1 **TRACY, CA 95376**
2.639 mi.
13935 ft. **Site 3 of 3 in cluster AF**

Relative:
Lower

Actual:
27 ft.

HIST UST:

Region:	STATE
Facility ID:	00000059793
Facility Type:	Other
Other Type:	DAIRY
Total Tanks:	0001
Contact Name:	JOE PIMENTEL
Telephone:	2098350274
Owner Name:	VELMA PIMENTEL & SONS DAIRY
Owner Address:	8297 W. GRANTLINE RD.
Owner City,St,Zip:	TRACY, CA 95376
Tank Num:	001
Container Num:	1
Year Installed:	1971
Tank Capacity:	00000350
Tank Used for:	PRODUCT
Type of Fuel:	REGULAR
Tank Construction:	10 gauge

VELMA PIMENTEL & SONS DAIRY (Continued) **U001608562**

Leak Detection: Stock Inventor

AG179 **STANLEY ROBERTSON** **HIST UST** **U001608540**
NE **8063 W GRANT LINE RD** **N/A**
> 1 **TRACY, CA 95376**
2.683 mi.
14164 ft. **Site 1 of 2 in cluster AG**

Relative:
Lower

Actual:
27 ft.

HIST UST:

Region:	STATE
Facility ID:	00000036360
Facility Type:	Other
Other Type:	PERSONAL
Total Tanks:	0001
Contact Name:	Not reported
Telephone:	2098350542
Owner Name:	STANLEY ROBERTSON
Owner Address:	8063 WEST GRANTLINE ROAD
Owner City,St,Zip:	TRACY, CA 95376
Tank Num:	001
Container Num:	1
Year Installed:	Not reported
Tank Capacity:	00000500
Tank Used for:	PRODUCT
Type of Fuel:	UNLEADED
Tank Construction:	Not reported
Leak Detection:	None

AG180 **STANLEY ROBERTSON** **CA FID UST** **S101626864**
NE **8063 W GRANTLINE RD** **SWEEPS UST** **N/A**
> 1 **TRACY, CA 95376**
2.683 mi.
14164 ft. **Site 2 of 2 in cluster AG**

Relative:
Lower

Actual:
27 ft.

CA FID UST:

Facility ID:	39003646
Regulated By:	UTNKI
Regulated ID:	Not reported
Cortese Code:	Not reported
SIC Code:	Not reported
Facility Phone:	2098350542
Mail To:	Not reported
Mailing Address:	8063 W GRANTLINE RD
Mailing Address 2:	Not reported
Mailing City,St,Zip:	TRACY 95376
Contact:	Not reported
Contact Phone:	Not reported
DUNs Number:	Not reported
NPDES Number:	Not reported
EPA ID:	Not reported
Comments:	Not reported
Status:	Inactive

SWEEPS UST:

Status:	Not reported

STANLEY ROBERTSON (Continued) **S101626864**

Comp Number:	2109
Number:	Not reported
Board Of Equalization:	Not reported
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Tank Status:	Not reported
Owner Tank Id:	Not reported
Swrcb Tank Id:	39-000-002109-000001
Actv Date:	Not reported
Capacity:	500
Tank Use:	M.V. FUEL
Stg:	PRODUCT
Content:	LEADED
Number Of Tanks:	1

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181 **TIGER OIL COMPANY** **UIC** **S111646998**
ENE **N/A**
> 1 **SAN JOAQUIN (County), CA**
2.687 mi.
14185 ft.

Relative:
Lower

Actual:
45 ft.

UIC:

API Number:	07700344
Confidential Well:	N
Well Number:	1
Lease Name:	Correia
Well Located On A BLW Lease:	N
Field Name:	Any Field
Area Name:	Any Area
Section:	19
Township:	02S
Range:	05E
Base And Meridian; Part Of The PLSS:	MD
Elevation:	Not reported
Location Desc:	Not reported
Latitude:	37.74346
Longitude:	-121.4742
GIS Source Code:	hud
Comments:	Status Code 006

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182 **EDR US Hist Cleaners** **1014989969**
ENE **13588 W GRANT LINE RD** **N/A**
> 1 **TRACY, CA 95304**
2.728 mi.
14402 ft.

Relative:
Lower

Actual:
26 ft.

EDR Historical Cleaners:

Name:	RL SOUZAS CARPET CLEANING
Year:	2001
Address:	13588 W GRANT LINE RD
Name:	RL SOUZAS CARPET CLEANING
Year:	2002
Address:	13588 W GRANT LINE RD

Count: 20 records. ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
LIVERMORE	1003878884	PG&E GAS PLANT LIVERMORE	200 TO 375 FT W OF N ST @RR	94550	CERCLIS-NFRAP
LIVERMORE	1003879288	CALIFORNIA WATER SERV WELL #10-01	RICHEN AVE & SUNSET DRIVE	94550	CERCLIS-NFRAP
LIVERMORE	1011834090	PATTERSON PASS WATER TREATMENT PLA	PATTERSON PASS RD.	94550	RMP
TRACY	S103678525	CORRAL HOLLOW LANDFILL	CORRAL HOLLOW RD & HWY 580	00000	HAZNET
TRACY	S106088475	MITSUBISHI ELECTRIC POWER PRODUCT	17545 PATTERSON PASS RD	95377	HAZNET,NPDES
TRACY	S106610908	CHEVRON	UNKNOWN I 580 & GRANTLINE RD	94550	LUST
	S107533805		4100 BLOCK, SO HWY 99/SE OF ST		CDL
	S107538166		CORNER OF HWY 26 & ALPINE RD		CDL
TRACY	S107540244		PATTERSON PASS RD, 1 MI W OF H	95377	CDL
LIVERMORE	S108200518	CALTRANS DIST 4/CONSTR/EA04-2R0604	RTES 580 15.0-19.1 & RTE 205	94550	HAZNET
PLEASANTON	S109426489	FOLEY RANCH	MILE POST 20 HWY 84 EAST	94550	HAZNET
TRACY	S109440611	CORRAL HOLLOW SANITARY LANDFILL	CORRAL HOLLOW RD & INTERSTATE	95377	NPDES
LIVERMORE	S109604387	VERIZON WIRELESS (WINDFARM)	N FLYNN RD & HWY 580	94550	EMI
TRACY	S109611787		KOSTER RD, 1 MILE S OF HIGHWAY	95304	CDL
LIVERMORE	S110060617	CHEVRON	UNKNOWN I 580 & GRANTLINE	94550	HIST CORTESE
LIVERMORE	S110502868	NEXTEL OF CALIFORNIA INC SITE	11705 N FLYNN RD & HWY 580	94550	EMI
TRACY	S110503311	SAN JOAQUIN COUNTY DEPT OF PUBLIC	CORRAL HOLLOW ROAD & INTERSTAT		EMI
ANTIOCH	S110737144	VANGUARD CONSTRUCTION BATCH PLANT	HWY 4 LOVERIDGE RD	94550	NPDES
MC FARLAND	S111459746	MCFARLAND SUB	ELMO HIGHWAY AND MELCHER ROAD	95377	NPDES
MOUNTAIN HOUSE	S112142378	MOUNTAIN HOUSE HIGH SCHOOL	MASCOT BLVD AND CENTRAL PKWY	95391	NPDES

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

To maintain currency of the following federal and state databases, EDR contacts the appropriate governmental agency on a monthly or quarterly basis, as required.

Number of Days to Update: Provides confirmation that EDR is reporting records that have been updated within 90 days from the date the government agency made the information available to the public.

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

NPL: National Priority List

National Priorities List (Superfund). The NPL is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund Program. NPL sites may encompass relatively large areas. As such, EDR provides polygon coverage for over 1,000 NPL site boundaries produced by EPA's Environmental Photographic Interpretation Center (EPIC) and regional EPA offices.

Date of Government Version: 10/01/2012
Date Data Arrived at EDR: 10/11/2012
Date Made Active in Reports: 12/20/2012
Number of Days to Update: 70

Source: EPA
Telephone: N/A
Last EDR Contact: 01/04/2013
Next Scheduled EDR Contact: 04/22/2013
Data Release Frequency: Quarterly

NPL Site Boundaries

Sources:

EPA's Environmental Photographic Interpretation Center (EPIC)
Telephone: 202-564-7333

EPA Region 1
Telephone 617-918-1143

EPA Region 6
Telephone: 214-655-6659

EPA Region 3
Telephone 215-814-5418

EPA Region 7
Telephone: 913-551-7247

EPA Region 4
Telephone 404-562-8033

EPA Region 8
Telephone: 303-312-6774

EPA Region 5
Telephone 312-886-6686

EPA Region 9
Telephone: 415-947-4246

EPA Region 10
Telephone 206-553-8665

Proposed NPL: Proposed National Priority List Sites

A site that has been proposed for listing on the National Priorities List through the issuance of a proposed rule in the Federal Register. EPA then accepts public comments on the site, responds to the comments, and places on the NPL those sites that continue to meet the requirements for listing.

Date of Government Version: 10/01/2012
Date Data Arrived at EDR: 10/11/2012
Date Made Active in Reports: 12/20/2012
Number of Days to Update: 70

Source: EPA
Telephone: N/A
Last EDR Contact: 01/04/2013
Next Scheduled EDR Contact: 04/22/2013
Data Release Frequency: Quarterly

NPL LIENS: Federal Superfund Liens

Federal Superfund Liens. Under the authority granted the USEPA by CERCLA of 1980, the USEPA has the authority to file liens against real property in order to recover remedial action expenditures or when the property owner received notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

Date of Government Version: 10/15/1991
Date Data Arrived at EDR: 02/02/1994
Date Made Active in Reports: 03/30/1994
Number of Days to Update: 56

Source: EPA
Telephone: 202-564-4267
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Federal Delisted NPL site list

DELISTED NPL: National Priority List Deletions

The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may be deleted from the NPL where no further response is appropriate.

Date of Government Version: 10/01/2012
Date Data Arrived at EDR: 10/11/2012
Date Made Active in Reports: 12/20/2012
Number of Days to Update: 70

Source: EPA
Telephone: N/A
Last EDR Contact: 01/04/2013
Next Scheduled EDR Contact: 04/22/2013
Data Release Frequency: Quarterly

Federal CERCLIS list

CERCLIS: Comprehensive Environmental Response, Compensation, and Liability Information System

CERCLIS contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). CERCLIS contains sites which are either proposed to or on the National Priorities List (NPL) and sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 11/02/2012
Date Data Arrived at EDR: 11/28/2012
Date Made Active in Reports: 01/07/2013
Number of Days to Update: 40

Source: EPA
Telephone: 703-412-9810
Last EDR Contact: 01/04/2013
Next Scheduled EDR Contact: 03/11/2013
Data Release Frequency: Quarterly

FEDERAL FACILITY: Federal Facility Site Information listing

A listing of National Priority List (NPL) and Base Realignment and Closure (BRAC) sites found in the Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS) Database where EPA Federal Facilities Restoration and Reuse Office is involved in cleanup activities.

Date of Government Version: 07/31/2012
Date Data Arrived at EDR: 10/09/2012
Date Made Active in Reports: 12/20/2012
Number of Days to Update: 72

Source: Environmental Protection Agency
Telephone: 703-603-8704
Last EDR Contact: 01/11/2013
Next Scheduled EDR Contact: 04/22/2013
Data Release Frequency: Varies

Federal CERCLIS NFRAP site List

CERCLIS-NFRAP: CERCLIS No Further Remedial Action Planned

Archived sites are sites that have been removed and archived from the inventory of CERCLIS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list this site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. This decision does not necessarily mean that there is no hazard associated with a given site; it only means that, based upon available information, the location is not judged to be a potential NPL site.

Date of Government Version: 11/02/2012
Date Data Arrived at EDR: 11/28/2012
Date Made Active in Reports: 01/07/2013
Number of Days to Update: 40

Source: EPA
Telephone: 703-412-9810
Last EDR Contact: 01/04/2013
Next Scheduled EDR Contact: 03/11/2013
Data Release Frequency: Quarterly

Federal RCRA CORRACTS facilities list

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 08/19/2011
Date Data Arrived at EDR: 08/31/2011
Date Made Active in Reports: 01/10/2012
Number of Days to Update: 132

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 02/08/2013
Next Scheduled EDR Contact: 05/27/2013
Data Release Frequency: Quarterly

Federal RCRA non-CORRACTS TSD facilities list

RCRA-TSDF: RCRA - Treatment, Storage and Disposal

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Transporters are individuals or entities that move hazardous waste from the generator offsite to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

Date of Government Version: 12/11/2012
Date Data Arrived at EDR: 01/03/2013
Date Made Active in Reports: 02/15/2013
Number of Days to Update: 43

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 02/15/2013
Next Scheduled EDR Contact: 04/15/2013
Data Release Frequency: Quarterly

Federal RCRA generators list

RCRA-LQG: RCRA - Large Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month.

Date of Government Version: 12/11/2012
Date Data Arrived at EDR: 01/03/2013
Date Made Active in Reports: 02/15/2013
Number of Days to Update: 43

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 02/15/2013
Next Scheduled EDR Contact: 04/15/2013
Data Release Frequency: Quarterly

RCRA-SQG: RCRA - Small Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

Date of Government Version: 12/11/2012
Date Data Arrived at EDR: 01/03/2013
Date Made Active in Reports: 02/15/2013
Number of Days to Update: 43

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 02/15/2013
Next Scheduled EDR Contact: 04/15/2013
Data Release Frequency: Quarterly

RCRA-CESQG: RCRA - Conditionally Exempt Small Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Conditionally exempt small quantity generators (CESQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month.

Date of Government Version: 12/11/2012
Date Data Arrived at EDR: 01/03/2013
Date Made Active in Reports: 02/15/2013
Number of Days to Update: 43

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 02/15/2013
Next Scheduled EDR Contact: 04/15/2013
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Federal institutional controls / engineering controls registries

US ENG CONTROLS: Engineering Controls Sites List

A listing of sites with engineering controls in place. Engineering controls include various forms of caps, building foundations, liners, and treatment methods to create pathway elimination for regulated substances to enter environmental media or effect human health.

Date of Government Version: 07/18/2012
Date Data Arrived at EDR: 07/24/2012
Date Made Active in Reports: 11/05/2012
Number of Days to Update: 104

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 12/10/2012
Next Scheduled EDR Contact: 03/25/2013
Data Release Frequency: Varies

US INST CONTROL: Sites with Institutional Controls

A listing of sites with institutional controls in place. Institutional controls include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post remediation care requirements intended to prevent exposure to contaminants remaining on site. Deed restrictions are generally required as part of the institutional controls.

Date of Government Version: 07/18/2012
Date Data Arrived at EDR: 07/24/2012
Date Made Active in Reports: 11/05/2012
Number of Days to Update: 104

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 12/10/2012
Next Scheduled EDR Contact: 03/25/2013
Data Release Frequency: Varies

LUCIS: Land Use Control Information System

LUCIS contains records of land use control information pertaining to the former Navy Base Realignment and Closure properties.

Date of Government Version: 12/09/2005
Date Data Arrived at EDR: 12/11/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 31

Source: Department of the Navy
Telephone: 843-820-7326
Last EDR Contact: 02/18/2013
Next Scheduled EDR Contact: 06/03/2013
Data Release Frequency: Varies

Federal ERNS list

ERNS: Emergency Response Notification System

Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous substances.

Date of Government Version: 12/31/2012
Date Data Arrived at EDR: 01/17/2013
Date Made Active in Reports: 02/15/2013
Number of Days to Update: 29

Source: National Response Center, United States Coast Guard
Telephone: 202-267-2180
Last EDR Contact: 01/17/2013
Next Scheduled EDR Contact: 04/15/2013
Data Release Frequency: Annually

State- and tribal - equivalent NPL

RESPONSE: State Response Sites

Identifies confirmed release sites where DTSC is involved in remediation, either in a lead or oversight capacity. These confirmed release sites are generally high-priority and high potential risk.

Date of Government Version: 12/05/2012
Date Data Arrived at EDR: 12/06/2012
Date Made Active in Reports: 01/15/2013
Number of Days to Update: 40

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 02/05/2013
Next Scheduled EDR Contact: 05/20/2013
Data Release Frequency: Quarterly

State- and tribal - equivalent CERCLIS

ENVIROSTOR: EnviroStor Database

The Department of Toxic Substances Control's (DTSC's) Site Mitigation and Brownfields Reuse Program's (SMBRP's) EnviroStor database identifes sites that have known contamination or sites for which there may be reasons to investigate further. The database includes the following site types: Federal Superfund sites (National Priorities List (NPL)); State Response, including Military Facilities and State Superfund; Voluntary Cleanup; and School sites. EnviroStor provides similar information to the information that was available in CalSites, and provides additional site information, including, but not limited to, identification of formerly-contaminated properties that have been released for reuse, properties where environmental deed restrictions have been recorded to prevent inappropriate land uses, and risk characterization information that is used to assess potential impacts to public health and the environment at contaminated sites.

Date of Government Version: 12/05/2012
Date Data Arrived at EDR: 12/06/2012
Date Made Active in Reports: 01/15/2013
Number of Days to Update: 40

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 02/05/2013
Next Scheduled EDR Contact: 05/20/2013
Data Release Frequency: Quarterly

State and tribal landfill and/or solid waste disposal site lists

SWF/LF (SWIS): Solid Waste Information System

Active, Closed and Inactive Landfills. SWF/LF records typically contain an inve ntory of solid waste disposal facilities or landfills. These may be active or i nactive facilities or open dumps that failed to meet RCRA Section 4004 criteria for solid waste landfills or disposal sites.

Date of Government Version: 11/19/2012
Date Data Arrived at EDR: 11/19/2012
Date Made Active in Reports: 01/04/2013
Number of Days to Update: 46

Source: Department of Resources Recycling and Recovery
Telephone: 916-341-6320
Last EDR Contact: 02/18/2013
Next Scheduled EDR Contact: 06/03/2013
Data Release Frequency: Quarterly

State and tribal leaking storage tank lists

LUST REG 8: Leaking Underground Storage Tanks

California Regional Water Quality Control Board Santa Ana Region (8). For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 02/14/2005
Date Data Arrived at EDR: 02/15/2005
Date Made Active in Reports: 03/28/2005
Number of Days to Update: 41

Source: California Regional Water Quality Control Board Santa Ana Region (8)
Telephone: 909-782-4496
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: Varies

LUST REG 7: Leaking Underground Storage Tank Case Listing

Leaking Underground Storage Tank locations. Imperial, Riverside, San Diego, Santa Barbara counties.

Date of Government Version: 02/26/2004
Date Data Arrived at EDR: 02/26/2004
Date Made Active in Reports: 03/24/2004
Number of Days to Update: 27

Source: California Regional Water Quality Control Board Colorado River Basin Region (7)
Telephone: 760-776-8943
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

LUST REG 6V: Leaking Underground Storage Tank Case Listing

Leaking Underground Storage Tank locations. Inyo, Kern, Los Angeles, Mono, San Bernardino counties.

Date of Government Version: 06/07/2005
Date Data Arrived at EDR: 06/07/2005
Date Made Active in Reports: 06/29/2005
Number of Days to Update: 22

Source: California Regional Water Quality Control Board Victorville Branch Office (6)
Telephone: 760-241-7365
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: No Update Planned

LUST REG 6L: Leaking Underground Storage Tank Case Listing
For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 09/09/2003
Date Data Arrived at EDR: 09/10/2003
Date Made Active in Reports: 10/07/2003
Number of Days to Update: 27

Source: California Regional Water Quality Control Board Lahontan Region (6)
Telephone: 530-542-5572
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: No Update Planned

LUST REG 5: Leaking Underground Storage Tank Database
Leaking Underground Storage Tank locations. Alameda, Alpine, Amador, Butte, Colusa, Contra Costa, Calveras, El Dorado, Fresno, Glenn, Kern, Kings, Lake, Lassen, Madera, Mariposa, Merced, Modoc, Napa, Nevada, Placer, Plumas, Sacramento, San Joaquin, Shasta, Solano, Stanislaus, Sutter, Tehama, Tulare, Tuolumne, Yolo, Yuba counties.

Date of Government Version: 07/01/2008
Date Data Arrived at EDR: 07/22/2008
Date Made Active in Reports: 07/31/2008
Number of Days to Update: 9

Source: California Regional Water Quality Control Board Central Valley Region (5)
Telephone: 916-464-4834
Last EDR Contact: 07/01/2011
Next Scheduled EDR Contact: 10/17/2011
Data Release Frequency: No Update Planned

LUST REG 4: Underground Storage Tank Leak List
Los Angeles, Ventura counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 09/07/2004
Date Data Arrived at EDR: 09/07/2004
Date Made Active in Reports: 10/12/2004
Number of Days to Update: 35

Source: California Regional Water Quality Control Board Los Angeles Region (4)
Telephone: 213-576-6710
Last EDR Contact: 09/06/2011
Next Scheduled EDR Contact: 12/19/2011
Data Release Frequency: No Update Planned

LUST REG 3: Leaking Underground Storage Tank Database
Leaking Underground Storage Tank locations. Monterey, San Benito, San Luis Obispo, Santa Barbara, Santa Cruz counties.

Date of Government Version: 05/19/2003
Date Data Arrived at EDR: 05/19/2003
Date Made Active in Reports: 06/02/2003
Number of Days to Update: 14

Source: California Regional Water Quality Control Board Central Coast Region (3)
Telephone: 805-542-4786
Last EDR Contact: 07/18/2011
Next Scheduled EDR Contact: 10/31/2011
Data Release Frequency: No Update Planned

LUST REG 2: Fuel Leak List
Leaking Underground Storage Tank locations. Alameda, Contra Costa, Marin, Napa, San Francisco, San Mateo, Santa Clara, Solano, Sonoma counties.

Date of Government Version: 09/30/2004
Date Data Arrived at EDR: 10/20/2004
Date Made Active in Reports: 11/19/2004
Number of Days to Update: 30

Source: California Regional Water Quality Control Board San Francisco Bay Region (2)
Telephone: 510-622-2433
Last EDR Contact: 09/19/2011
Next Scheduled EDR Contact: 01/02/2012
Data Release Frequency: Quarterly

LUST REG 1: Active Toxic Site Investigation
Del Norte, Humboldt, Lake, Mendocino, Modoc, Siskiyou, Sonoma, Trinity counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 02/01/2001
Date Data Arrived at EDR: 02/28/2001
Date Made Active in Reports: 03/29/2001
Number of Days to Update: 29

Source: California Regional Water Quality Control Board North Coast (1)
Telephone: 707-570-3769
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

LUST: Geotracker's Leaking Underground Fuel Tank Report

Leaking Underground Storage Tank Incident Reports. LUST records contain an inventory of reported leaking underground storage tank incidents. Not all states maintain these records, and the information stored varies by state. For more information on a particular leaking underground storage tank sites, please contact the appropriate regulatory agency.

Date of Government Version: 12/17/2012
Date Data Arrived at EDR: 12/17/2012
Date Made Active in Reports: 01/25/2013
Number of Days to Update: 39

Source: State Water Resources Control Board
Telephone: see region list
Last EDR Contact: 01/31/2013
Next Scheduled EDR Contact: 04/01/2013
Data Release Frequency: Quarterly

LUST REG 9: Leaking Underground Storage Tank Report

Orange, Riverside, San Diego counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 03/01/2001
Date Data Arrived at EDR: 04/23/2001
Date Made Active in Reports: 05/21/2001
Number of Days to Update: 28

Source: California Regional Water Quality Control Board San Diego Region (9)
Telephone: 858-637-5595
Last EDR Contact: 09/26/2011
Next Scheduled EDR Contact: 01/09/2012
Data Release Frequency: No Update Planned

SLIC: Statewide SLIC Cases

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 12/17/2012
Date Data Arrived at EDR: 12/17/2012
Date Made Active in Reports: 01/25/2013
Number of Days to Update: 39

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 01/31/2013
Next Scheduled EDR Contact: 04/01/2013
Data Release Frequency: Varies

SLIC REG 1: Active Toxic Site Investigations

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 04/03/2003
Date Data Arrived at EDR: 04/07/2003
Date Made Active in Reports: 04/25/2003
Number of Days to Update: 18

Source: California Regional Water Quality Control Board, North Coast Region (1)
Telephone: 707-576-2220
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

SLIC REG 2: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 09/30/2004
Date Data Arrived at EDR: 10/20/2004
Date Made Active in Reports: 11/19/2004
Number of Days to Update: 30

Source: Regional Water Quality Control Board San Francisco Bay Region (2)
Telephone: 510-286-0457
Last EDR Contact: 09/19/2011
Next Scheduled EDR Contact: 01/02/2012
Data Release Frequency: Quarterly

SLIC REG 3: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 05/18/2006
Date Data Arrived at EDR: 05/18/2006
Date Made Active in Reports: 06/15/2006
Number of Days to Update: 28

Source: California Regional Water Quality Control Board Central Coast Region (3)
Telephone: 805-549-3147
Last EDR Contact: 07/18/2011
Next Scheduled EDR Contact: 10/31/2011
Data Release Frequency: Semi-Annually

SLIC REG 4: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 11/17/2004
Date Data Arrived at EDR: 11/18/2004
Date Made Active in Reports: 01/04/2005
Number of Days to Update: 47

Source: Region Water Quality Control Board Los Angeles Region (4)
Telephone: 213-576-6600
Last EDR Contact: 07/01/2011
Next Scheduled EDR Contact: 10/17/2011
Data Release Frequency: Varies

SLIC REG 5: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 04/01/2005
Date Data Arrived at EDR: 04/05/2005
Date Made Active in Reports: 04/21/2005
Number of Days to Update: 16

Source: Regional Water Quality Control Board Central Valley Region (5)
Telephone: 916-464-3291
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: Semi-Annually

SLIC REG 6V: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 05/24/2005
Date Data Arrived at EDR: 05/25/2005
Date Made Active in Reports: 06/16/2005
Number of Days to Update: 22

Source: Regional Water Quality Control Board, Victorville Branch
Telephone: 619-241-6583
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: Semi-Annually

SLIC REG 6L: SLIC Sites
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 09/07/2004
Date Data Arrived at EDR: 09/07/2004
Date Made Active in Reports: 10/12/2004
Number of Days to Update: 35

Source: California Regional Water Quality Control Board, Lahontan Region
Telephone: 530-542-5574
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

SLIC REG 7: SLIC List
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 11/24/2004
Date Data Arrived at EDR: 11/29/2004
Date Made Active in Reports: 01/04/2005
Number of Days to Update: 36

Source: California Regional Quality Control Board, Colorado River Basin Region
Telephone: 760-346-7491
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

SLIC REG 8: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 04/03/2008
Date Data Arrived at EDR: 04/03/2008
Date Made Active in Reports: 04/14/2008
Number of Days to Update: 11

Source: California Region Water Quality Control Board Santa Ana Region (8)
Telephone: 951-782-3298
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: Semi-Annually

SLIC REG 9: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 09/10/2007
Date Data Arrived at EDR: 09/11/2007
Date Made Active in Reports: 09/28/2007
Number of Days to Update: 17

Source: California Regional Water Quality Control Board San Diego Region (9)
Telephone: 858-467-2980
Last EDR Contact: 08/08/2011
Next Scheduled EDR Contact: 11/21/2011
Data Release Frequency: Annually

INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Alaska, Idaho, Oregon and Washington.

Date of Government Version: 08/01/2012
Date Data Arrived at EDR: 08/02/2012
Date Made Active in Reports: 10/16/2012
Number of Days to Update: 75

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 10/30/2012
Next Scheduled EDR Contact: 05/13/2013
Data Release Frequency: Quarterly

INDIAN LUST R1: Leaking Underground Storage Tanks on Indian Land
A listing of leaking underground storage tank locations on Indian Land.

Date of Government Version: 04/12/2012
Date Data Arrived at EDR: 05/09/2012
Date Made Active in Reports: 07/10/2012
Number of Days to Update: 62

Source: EPA Region 1
Telephone: 617-918-1313
Last EDR Contact: 02/01/2013
Next Scheduled EDR Contact: 05/13/2013
Data Release Frequency: Varies

INDIAN LUST R8: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Colorado, Montana, North Dakota, South Dakota, Utah and Wyoming.

Date of Government Version: 08/27/2012
Date Data Arrived at EDR: 08/28/2012
Date Made Active in Reports: 10/16/2012
Number of Days to Update: 49

Source: EPA Region 8
Telephone: 303-312-6271
Last EDR Contact: 01/28/2013
Next Scheduled EDR Contact: 05/13/2013
Data Release Frequency: Quarterly

INDIAN LUST R6: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in New Mexico and Oklahoma.

Date of Government Version: 09/12/2011
Date Data Arrived at EDR: 09/13/2011
Date Made Active in Reports: 11/11/2011
Number of Days to Update: 59

Source: EPA Region 6
Telephone: 214-665-6597
Last EDR Contact: 01/28/2013
Next Scheduled EDR Contact: 05/13/2013
Data Release Frequency: Varies

INDIAN LUST R4: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Florida, Mississippi and North Carolina.

Date of Government Version: 12/14/2011
Date Data Arrived at EDR: 12/15/2011
Date Made Active in Reports: 01/10/2012
Number of Days to Update: 26

Source: EPA Region 4
Telephone: 404-562-8677
Last EDR Contact: 01/28/2013
Next Scheduled EDR Contact: 05/13/2013
Data Release Frequency: Semi-Annually

INDIAN LUST R7: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Iowa, Kansas, and Nebraska

Date of Government Version: 08/17/2012
Date Data Arrived at EDR: 08/28/2012
Date Made Active in Reports: 10/16/2012
Number of Days to Update: 49

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 01/28/2013
Next Scheduled EDR Contact: 05/13/2013
Data Release Frequency: Varies

INDIAN LUST R9: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Arizona, California, New Mexico and Nevada

Date of Government Version: 09/06/2012
Date Data Arrived at EDR: 09/07/2012
Date Made Active in Reports: 10/16/2012
Number of Days to Update: 39

Source: Environmental Protection Agency
Telephone: 415-972-3372
Last EDR Contact: 01/28/2013
Next Scheduled EDR Contact: 05/13/2013
Data Release Frequency: Quarterly

State and tribal registered storage tank lists

UST: Active UST Facilities
Active UST facilities gathered from the local regulatory agencies

Date of Government Version: 12/17/2012
Date Data Arrived at EDR: 12/18/2012
Date Made Active in Reports: 01/25/2013
Number of Days to Update: 38

Source: SWRCB
Telephone: 916-341-5851
Last EDR Contact: 01/31/2013
Next Scheduled EDR Contact: 04/01/2013
Data Release Frequency: Semi-Annually

AST: Aboveground Petroleum Storage Tank Facilities
Registered Aboveground Storage Tanks.

Date of Government Version: 08/01/2009
Date Data Arrived at EDR: 09/10/2009
Date Made Active in Reports: 10/01/2009
Number of Days to Update: 21

Source: State Water Resources Control Board
Telephone: 916-327-5092
Last EDR Contact: 01/07/2013
Next Scheduled EDR Contact: 04/22/2013
Data Release Frequency: Quarterly

INDIAN UST R10: Underground Storage Tanks on Indian Land
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 10 (Alaska, Idaho, Oregon, Washington, and Tribal Nations).

Date of Government Version: 08/01/2012
Date Data Arrived at EDR: 08/02/2012
Date Made Active in Reports: 10/16/2012
Number of Days to Update: 75

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 01/28/2013
Next Scheduled EDR Contact: 05/13/2013
Data Release Frequency: Quarterly

INDIAN UST R9: Underground Storage Tanks on Indian Land
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 9 (Arizona, California, Hawaii, Nevada, the Pacific Islands, and Tribal Nations).

Date of Government Version: 09/06/2012
Date Data Arrived at EDR: 09/07/2012
Date Made Active in Reports: 10/16/2012
Number of Days to Update: 39

Source: EPA Region 9
Telephone: 415-972-3368
Last EDR Contact: 01/28/2013
Next Scheduled EDR Contact: 05/13/2013
Data Release Frequency: Quarterly

INDIAN UST R8: Underground Storage Tanks on Indian Land
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 8 (Colorado, Montana, North Dakota, South Dakota, Utah, Wyoming and 27 Tribal Nations).

Date of Government Version: 08/27/2012
Date Data Arrived at EDR: 08/28/2012
Date Made Active in Reports: 10/16/2012
Number of Days to Update: 49

Source: EPA Region 8
Telephone: 303-312-6137
Last EDR Contact: 01/28/2013
Next Scheduled EDR Contact: 05/13/2013
Data Release Frequency: Quarterly

INDIAN UST R7: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 7 (Iowa, Kansas, Missouri, Nebraska, and 9 Tribal Nations).

Date of Government Version: 08/17/2012
Date Data Arrived at EDR: 08/28/2012
Date Made Active in Reports: 10/16/2012
Number of Days to Update: 49

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 01/28/2013
Next Scheduled EDR Contact: 05/13/2013
Data Release Frequency: Varies

INDIAN UST R6: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 6 (Louisiana, Arkansas, Oklahoma, New Mexico, Texas and 65 Tribes).

Date of Government Version: 05/10/2011
Date Data Arrived at EDR: 05/11/2011
Date Made Active in Reports: 06/14/2011
Number of Days to Update: 34

Source: EPA Region 6
Telephone: 214-665-7591
Last EDR Contact: 01/28/2013
Next Scheduled EDR Contact: 05/13/2013
Data Release Frequency: Semi-Annually

INDIAN UST R5: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 5 (Michigan, Minnesota and Wisconsin and Tribal Nations).

Date of Government Version: 08/02/2012
Date Data Arrived at EDR: 08/03/2012
Date Made Active in Reports: 11/05/2012
Number of Days to Update: 94

Source: EPA Region 5
Telephone: 312-886-6136
Last EDR Contact: 01/28/2013
Next Scheduled EDR Contact: 05/13/2013
Data Release Frequency: Varies

INDIAN UST R4: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 4 (Alabama, Florida, Georgia, Kentucky, Mississippi, North Carolina, South Carolina, Tennessee and Tribal Nations)

Date of Government Version: 12/14/2011
Date Data Arrived at EDR: 12/15/2011
Date Made Active in Reports: 01/10/2012
Number of Days to Update: 26

Source: EPA Region 4
Telephone: 404-562-9424
Last EDR Contact: 01/28/2013
Next Scheduled EDR Contact: 05/13/2013
Data Release Frequency: Semi-Annually

INDIAN UST R1: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 1 (Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, Vermont and ten Tribal Nations).

Date of Government Version: 04/12/2012
Date Data Arrived at EDR: 05/02/2012
Date Made Active in Reports: 07/16/2012
Number of Days to Update: 75

Source: EPA, Region 1
Telephone: 617-918-1313
Last EDR Contact: 02/01/2013
Next Scheduled EDR Contact: 05/13/2013
Data Release Frequency: Varies

FEMA UST: Underground Storage Tank Listing

A listing of all FEMA owned underground storage tanks.

Date of Government Version: 01/01/2010
Date Data Arrived at EDR: 02/16/2010
Date Made Active in Reports: 04/12/2010
Number of Days to Update: 55

Source: FEMA
Telephone: 202-646-5797
Last EDR Contact: 01/14/2013
Next Scheduled EDR Contact: 04/29/2013
Data Release Frequency: Varies

State and tribal voluntary cleanup sites

INDIAN VCP R7: Voluntary Cleanup Priority Lisitng
A listing of voluntary cleanup priority sites located on Indian Land located in Region 7.

Date of Government Version: 03/20/2008
Date Data Arrived at EDR: 04/22/2008
Date Made Active in Reports: 05/19/2008
Number of Days to Update: 27
Source: EPA, Region 7
Telephone: 913-551-7365
Last EDR Contact: 04/20/2009
Next Scheduled EDR Contact: 07/20/2009
Data Release Frequency: Varies

VCP: Voluntary Cleanup Program Properties
Contains low threat level properties with either confirmed or unconfirmed releases and the project proponents have request that DTSC oversee investigation and/or cleanup activities and have agreed to provide coverage for DTSC's costs.

Date of Government Version: 12/05/2012
Date Data Arrived at EDR: 12/06/2012
Date Made Active in Reports: 01/15/2013
Number of Days to Update: 40
Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 02/05/2013
Next Scheduled EDR Contact: 05/20/2013
Data Release Frequency: Quarterly

INDIAN VCP R1: Voluntary Cleanup Priority Listing
A listing of voluntary cleanup priority sites located on Indian Land located in Region 1.

Date of Government Version: 09/28/2012
Date Data Arrived at EDR: 10/02/2012
Date Made Active in Reports: 10/16/2012
Number of Days to Update: 14
Source: EPA, Region 1
Telephone: 617-918-1102
Last EDR Contact: 01/04/2013
Next Scheduled EDR Contact: 04/15/2013
Data Release Frequency: Varies

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS: A Listing of Brownfields Sites
Brownfields are real property, the expansion, redevelopment, or reuse of which may be complicated by the presence or potential presence of a hazardous substance, pollutant, or contaminant. Cleaning up and reinvesting in these properties takes development pressures off of undeveloped, open land, and both improves and protects the environment. Assessment, Cleanup and Redevelopment Exchange System (ACRES) stores information reported by EPA Brownfields grant recipients on brownfields properties assessed or cleaned up with grant funding as well as information on Targeted Brownfields Assessments performed by EPA Regions. A listing of ACRES Brownfield sites is obtained from Cleanups in My Community. Cleanups in My Community provides information on Brownfields properties for which information is reported back to EPA, as well as areas served by Brownfields grant programs.

Date of Government Version: 12/10/2012
Date Data Arrived at EDR: 12/11/2012
Date Made Active in Reports: 12/20/2012
Number of Days to Update: 9
Source: Environmental Protection Agency
Telephone: 202-566-2777
Last EDR Contact: 02/14/2013
Next Scheduled EDR Contact: 04/08/2013
Data Release Frequency: Semi-Annually

Local Lists of Landfill / Solid Waste Disposal Sites

ODI: Open Dump Inventory
An open dump is defined as a disposal facility that does not comply with one or more of the Part 257 or Part 258 Subtitle D Criteria.

Date of Government Version: 06/30/1985
Date Data Arrived at EDR: 08/09/2004
Date Made Active in Reports: 09/17/2004
Number of Days to Update: 39
Source: Environmental Protection Agency
Telephone: 800-424-9346
Last EDR Contact: 06/09/2004
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

DEBRIS REGION 9: Torres Martinez Reservation Illegal Dump Site Locations
A listing of illegal dump sites location on the Torres Martinez Indian Reservation located in eastern Riverside County and northern Imperial County, California.

Date of Government Version: 01/12/2009
Date Data Arrived at EDR: 05/07/2009
Date Made Active in Reports: 09/21/2009
Number of Days to Update: 137
Source: EPA, Region 9
Telephone: 415-947-4219
Last EDR Contact: 01/28/2013
Next Scheduled EDR Contact: 05/13/2013
Data Release Frequency: No Update Planned

WMUDS/SWAT: Waste Management Unit Database
Waste Management Unit Database System. WMUDS is used by the State Water Resources Control Board staff and the Regional Water Quality Control Boards for program tracking and inventory of waste management units. WMUDS is composed of the following databases: Facility Information, Scheduled Inspections Information, Waste Management Unit Information, SWAT Program Information, SWAT Report Summary Information, SWAT Report Summary Data, Chapter 15 (formerly Subchapter 15) Information, Chapter 15 Monitoring Parameters, TPCA Program Information, RCRA Program Information, Closure Information, and Interested Parties Information.

Date of Government Version: 04/01/2000
Date Data Arrived at EDR: 04/10/2000
Date Made Active in Reports: 05/10/2000
Number of Days to Update: 30
Source: State Water Resources Control Board
Telephone: 916-227-4448
Last EDR Contact: 02/11/2013
Next Scheduled EDR Contact: 05/27/2013
Data Release Frequency: No Update Planned

SWRCY: Recycler Database
A listing of recycling facilities in California.

Date of Government Version: 12/18/2012
Date Data Arrived at EDR: 12/20/2012
Date Made Active in Reports: 01/25/2013
Number of Days to Update: 36
Source: Department of Conservation
Telephone: 916-323-3836
Last EDR Contact: 12/20/2012
Next Scheduled EDR Contact: 04/01/2013
Data Release Frequency: Quarterly

HAULERS: Registered Waste Tire Haulers Listing
A listing of registered waste tire haulers.

Date of Government Version: 11/15/2012
Date Data Arrived at EDR: 11/20/2012
Date Made Active in Reports: 01/04/2013
Number of Days to Update: 45
Source: Integrated Waste Management Board
Telephone: 916-341-6422
Last EDR Contact: 02/18/2013
Next Scheduled EDR Contact: 06/03/2013
Data Release Frequency: Varies

INDIAN ODI: Report on the Status of Open Dumps on Indian Lands
Location of open dumps on Indian land.

Date of Government Version: 12/31/1998
Date Data Arrived at EDR: 12/03/2007
Date Made Active in Reports: 01/24/2008
Number of Days to Update: 52
Source: Environmental Protection Agency
Telephone: 703-308-8245
Last EDR Contact: 02/05/2013
Next Scheduled EDR Contact: 05/20/2013
Data Release Frequency: Varies

Local Lists of Hazardous waste / Contaminated Sites

US CDL: Clandestine Drug Labs
A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

Date of Government Version: 11/14/2012
Date Data Arrived at EDR: 12/11/2012
Date Made Active in Reports: 02/15/2013
Number of Days to Update: 66

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 12/03/2012
Next Scheduled EDR Contact: 03/18/2013
Data Release Frequency: Quarterly

HIST CAL-SITES: Calsites Database

The Calsites database contains potential or confirmed hazardous substance release properties. In 1996, California EPA reevaluated and significantly reduced the number of sites in the Calsites database. No longer updated by the state agency. It has been replaced by ENVIROSTOR.

Date of Government Version: 08/08/2005
Date Data Arrived at EDR: 08/03/2006
Date Made Active in Reports: 08/24/2006
Number of Days to Update: 21

Source: Department of Toxic Substance Control
Telephone: 916-323-3400
Last EDR Contact: 02/23/2009
Next Scheduled EDR Contact: 05/25/2009
Data Release Frequency: No Update Planned

SCH: School Property Evaluation Program

This category contains proposed and existing school sites that are being evaluated by DTSC for possible hazardous materials contamination. In some cases, these properties may be listed in the CalSites category depending on the level of threat to public health and safety or the environment they pose.

Date of Government Version: 12/05/2012
Date Data Arrived at EDR: 12/06/2012
Date Made Active in Reports: 01/15/2013
Number of Days to Update: 40

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 02/05/2013
Next Scheduled EDR Contact: 05/20/2013
Data Release Frequency: Quarterly

TOXIC PITS: Toxic Pits Cleanup Act Sites

Toxic PITS Cleanup Act Sites. TOXIC PITS identifies sites suspected of containing hazardous substances where cleanup has not yet been completed.

Date of Government Version: 07/01/1995
Date Data Arrived at EDR: 08/30/1995
Date Made Active in Reports: 09/26/1995
Number of Days to Update: 27

Source: State Water Resources Control Board
Telephone: 916-227-4364
Last EDR Contact: 01/26/2009
Next Scheduled EDR Contact: 04/27/2009
Data Release Frequency: No Update Planned

CDL: Clandestine Drug Labs

A listing of drug lab locations. Listing of a location in this database does not indicate that any illegal drug lab materials were or were not present there, and does not constitute a determination that the location either requires or does not require additional cleanup work.

Date of Government Version: 06/30/2012
Date Data Arrived at EDR: 09/12/2012
Date Made Active in Reports: 10/03/2012
Number of Days to Update: 21

Source: Department of Toxic Substances Control
Telephone: 916-255-6504
Last EDR Contact: 12/28/2012
Next Scheduled EDR Contact: 04/15/2013
Data Release Frequency: Varies

US HIST CDL: National Clandestine Laboratory Register

A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

Date of Government Version: 09/01/2007
Date Data Arrived at EDR: 11/19/2008
Date Made Active in Reports: 03/30/2009
Number of Days to Update: 131

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 03/23/2009
Next Scheduled EDR Contact: 06/22/2009
Data Release Frequency: No Update Planned

Local Lists of Registered Storage Tanks

CA FID UST: Facility Inventory Database

The Facility Inventory Database (FID) contains a historical listing of active and inactive underground storage tank locations from the State Water Resource Control Board. Refer to local/county source for current data.

Date of Government Version: 10/31/1994
Date Data Arrived at EDR: 09/05/1995
Date Made Active in Reports: 09/29/1995
Number of Days to Update: 24

Source: California Environmental Protection Agency
Telephone: 916-341-5851
Last EDR Contact: 12/28/1998
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

UST MENDOCINO: Mendocino County UST Database

A listing of underground storage tank locations in Mendocino County.

Date of Government Version: 09/23/2009
Date Data Arrived at EDR: 09/23/2009
Date Made Active in Reports: 10/01/2009
Number of Days to Update: 8

Source: Department of Public Health
Telephone: 707-463-4466
Last EDR Contact: 12/03/2012
Next Scheduled EDR Contact: 03/18/2013
Data Release Frequency: Annually

HIST UST: Hazardous Substance Storage Container Database

The Hazardous Substance Storage Container Database is a historical listing of UST sites. Refer to local/county source for current data.

Date of Government Version: 10/15/1990
Date Data Arrived at EDR: 01/25/1991
Date Made Active in Reports: 02/12/1991
Number of Days to Update: 18

Source: State Water Resources Control Board
Telephone: 916-341-5851
Last EDR Contact: 07/26/2001
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

SWEEPS UST: SWEEPS UST Listing

Statewide Environmental Evaluation and Planning System. This underground storage tank listing was updated and maintained by a company contacted by the SWRCB in the early 1990's. The listing is no longer updated or maintained. The local agency is the contact for more information on a site on the SWEEPS list.

Date of Government Version: 06/01/1994
Date Data Arrived at EDR: 07/07/2005
Date Made Active in Reports: 08/11/2005
Number of Days to Update: 35

Source: State Water Resources Control Board
Telephone: N/A
Last EDR Contact: 06/03/2005
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

Local Land Records

LIENS 2: CERCLA Lien Information

A Federal CERCLA ('Superfund') lien can exist by operation of law at any site or property at which EPA has spent Superfund monies. These monies are spent to investigate and address releases and threatened releases of contamination. CERCLIS provides information as to the identity of these sites and properties.

Date of Government Version: 02/16/2012
Date Data Arrived at EDR: 03/26/2012
Date Made Active in Reports: 06/14/2012
Number of Days to Update: 80

Source: Environmental Protection Agency
Telephone: 202-564-6023
Last EDR Contact: 01/28/2013
Next Scheduled EDR Contact: 05/13/2013
Data Release Frequency: Varies

LIENS: Environmental Liens Listing

A listing of property locations with environmental liens for California where DTSC is a lien holder.

Date of Government Version: 12/17/2012
Date Data Arrived at EDR: 12/18/2012
Date Made Active in Reports: 01/21/2013
Number of Days to Update: 34

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 12/10/2012
Next Scheduled EDR Contact: 03/25/2013
Data Release Frequency: Varies

DEED: Deed Restriction Listing

Site Mitigation and Brownfields Reuse Program Facility Sites with Deed Restrictions & Hazardous Waste Management Program Facility Sites with Deed / Land Use Restriction. The DTSC Site Mitigation and Brownfields Reuse Program (SMBRP) list includes sites cleaned up under the program's oversight and generally does not include current or former hazardous waste facilities that required a hazardous waste facility permit. The list represents deed restrictions that are active. Some sites have multiple deed restrictions. The DTSC Hazardous Waste Management Program (HWMP) has developed a list of current or former hazardous waste facilities that have a recorded land use restriction at the local county recorder's office. The land use restrictions on this list were required by the DTSC HWMP as a result of the presence of hazardous substances that remain on site after the facility (or part of the facility) has been closed or cleaned up. The types of land use restriction include deed notice, deed restriction, or a land use restriction that binds current and future owners.

Date of Government Version: 12/10/2012
Date Data Arrived at EDR: 12/11/2012
Date Made Active in Reports: 01/15/2013
Number of Days to Update: 35

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 12/11/2012
Next Scheduled EDR Contact: 03/25/2013
Data Release Frequency: Semi-Annually

Records of Emergency Release Reports

HMIRS: Hazardous Materials Information Reporting System

Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 04/01/2012
Date Data Arrived at EDR: 04/03/2012
Date Made Active in Reports: 06/14/2012
Number of Days to Update: 72

Source: U.S. Department of Transportation
Telephone: 202-366-4555
Last EDR Contact: 01/03/2013
Next Scheduled EDR Contact: 04/15/2013
Data Release Frequency: Annually

CHMIRS: California Hazardous Material Incident Report System

California Hazardous Material Incident Reporting System. CHMIRS contains information on reported hazardous material incidents (accidental releases or spills).

Date of Government Version: 03/28/2012
Date Data Arrived at EDR: 05/01/2012
Date Made Active in Reports: 05/25/2012
Number of Days to Update: 24

Source: Office of Emergency Services
Telephone: 916-845-8400
Last EDR Contact: 01/29/2013
Next Scheduled EDR Contact: 05/13/2013
Data Release Frequency: Varies

LDS: Land Disposal Sites Listing

The Land Disposal program regulates of waste discharge to land for treatment, storage and disposal in waste management units.

Date of Government Version: 12/17/2012
Date Data Arrived at EDR: 12/17/2012
Date Made Active in Reports: 01/21/2013
Number of Days to Update: 35

Source: State Water Qualilty Control Board
Telephone: 866-480-1028
Last EDR Contact: 01/31/2013
Next Scheduled EDR Contact: 04/01/2013
Data Release Frequency: Quarterly

MCS: Military Cleanup Sites Listing

The State Water Resources Control Board and nine Regional Water Quality Control Boards partner with the Department of Defense (DoD) through the Defense and State Memorandum of Agreement (DSMOA) to oversee the investigation and remediation of water quality issues at military facilities.

Date of Government Version: 12/17/2012
Date Data Arrived at EDR: 12/17/2012
Date Made Active in Reports: 01/25/2013
Number of Days to Update: 39

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 01/31/2013
Next Scheduled EDR Contact: 04/01/2013
Data Release Frequency: Quarterly

Other Ascertainable Records

RCRA NonGen / NLR: RCRA - Non Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

Date of Government Version: 12/11/2012
Date Data Arrived at EDR: 01/03/2013
Date Made Active in Reports: 02/15/2013
Number of Days to Update: 43

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 02/15/2013
Next Scheduled EDR Contact: 04/15/2013
Data Release Frequency: Varies

DOT OPS: Incident and Accident Data

Department of Transporation, Office of Pipeline Safety Incident and Accident data.

Date of Government Version: 07/31/2012
Date Data Arrived at EDR: 08/07/2012
Date Made Active in Reports: 09/18/2012
Number of Days to Update: 42

Source: Department of Transporation, Office of Pipeline Safety
Telephone: 202-366-4595
Last EDR Contact: 02/05/2013
Next Scheduled EDR Contact: 05/20/2013
Data Release Frequency: Varies

DOD: Department of Defense Sites

This data set consists of federally owned or administered lands, administered by the Department of Defense, that have any area equal to or greater than 640 acres of the United States, Puerto Rico, and the U.S. Virgin Islands.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 11/10/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 62

Source: USGS
Telephone: 888-275-8747
Last EDR Contact: 01/17/2013
Next Scheduled EDR Contact: 04/29/2013
Data Release Frequency: Semi-Annually

FUDS: Formerly Used Defense Sites

The listing includes locations of Formerly Used Defense Sites properties where the US Army Corps of Engineers is actively working or will take necessary cleanup actions.

Date of Government Version: 12/31/2009
Date Data Arrived at EDR: 08/12/2010
Date Made Active in Reports: 12/02/2010
Number of Days to Update: 112

Source: U.S. Army Corps of Engineers
Telephone: 202-528-4285
Last EDR Contact: 12/10/2012
Next Scheduled EDR Contact: 03/25/2013
Data Release Frequency: Varies

CONSENT: Superfund (CERCLA) Consent Decrees

Major legal settlements that establish responsibility and standards for cleanup at NPL (Superfund) sites. Released periodically by United States District Courts after settlement by parties to litigation matters.

Date of Government Version: 10/01/2012
Date Data Arrived at EDR: 10/19/2012
Date Made Active in Reports: 12/20/2012
Number of Days to Update: 62

Source: Department of Justice, Consent Decree Library
Telephone: Varies
Last EDR Contact: 12/28/2012
Next Scheduled EDR Contact: 04/15/2013
Data Release Frequency: Varies

ROD: Records Of Decision

Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid in the cleanup.

Date of Government Version: 02/27/2012
Date Data Arrived at EDR: 03/14/2012
Date Made Active in Reports: 06/14/2012
Number of Days to Update: 92

Source: EPA
Telephone: 703-416-0223
Last EDR Contact: 12/11/2012
Next Scheduled EDR Contact: 03/25/2013
Data Release Frequency: Annually

UMTRA: Uranium Mill Tailings Sites

Uranium ore was mined by private companies for federal government use in national defense programs. When the mills shut down, large piles of the sand-like material (mill tailings) remain after uranium has been extracted from the ore. Levels of human exposure to radioactive materials from the piles are low; however, in some cases tailings were used as construction materials before the potential health hazards of the tailings were recognized.

Date of Government Version: 09/14/2010
Date Data Arrived at EDR: 10/07/2011
Date Made Active in Reports: 03/01/2012
Number of Days to Update: 146

Source: Department of Energy
Telephone: 505-845-0011
Last EDR Contact: 02/25/2013
Next Scheduled EDR Contact: 06/10/2013
Data Release Frequency: Varies

US MINES: Mines Master Index File

Contains all mine identification numbers issued for mines active or opened since 1971. The data also includes violation information.

Date of Government Version: 08/18/2011
Date Data Arrived at EDR: 09/08/2011
Date Made Active in Reports: 09/29/2011
Number of Days to Update: 21

Source: Department of Labor, Mine Safety and Health Administration
Telephone: 303-231-5959
Last EDR Contact: 12/05/2012
Next Scheduled EDR Contact: 03/18/2013
Data Release Frequency: Semi-Annually

TRIS: Toxic Chemical Release Inventory System

Toxic Release Inventory System. TRIS identifies facilities which release toxic chemicals to the air, water and land in reportable quantities under SARA Title III Section 313.

Date of Government Version: 12/31/2009
Date Data Arrived at EDR: 09/01/2011
Date Made Active in Reports: 01/10/2012
Number of Days to Update: 131

Source: EPA
Telephone: 202-566-0250
Last EDR Contact: 11/28/2012
Next Scheduled EDR Contact: 03/11/2013
Data Release Frequency: Annually

TSCA: Toxic Substances Control Act

Toxic Substances Control Act. TSCA identifies manufacturers and importers of chemical substances included on the TSCA Chemical Substance Inventory list. It includes data on the production volume of these substances by plant site.

Date of Government Version: 12/31/2006
Date Data Arrived at EDR: 09/29/2010
Date Made Active in Reports: 12/02/2010
Number of Days to Update: 64

Source: EPA
Telephone: 202-260-5521
Last EDR Contact: 12/28/2012
Next Scheduled EDR Contact: 04/08/2013
Data Release Frequency: Every 4 Years

FTTS: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

FTTS tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA, TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act). To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 04/09/2009
Date Data Arrived at EDR: 04/16/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 25

Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Telephone: 202-566-1667
Last EDR Contact: 02/25/2013
Next Scheduled EDR Contact: 06/10/2013
Data Release Frequency: Quarterly

FTTS INSP: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

A listing of FIFRA/TSCA Tracking System (FTTS) inspections and enforcements.

Date of Government Version: 04/09/2009
Date Data Arrived at EDR: 04/16/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 25

Source: EPA
Telephone: 202-566-1667
Last EDR Contact: 02/25/2013
Next Scheduled EDR Contact: 06/10/2013
Data Release Frequency: Quarterly

HIST FTTS: FIFRA/TSCA Tracking System Administrative Case Listing

A complete administrative case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2007
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

HIST FTTS INSP: FIFRA/TSCA Tracking System Inspection & Enforcement Case Listing

A complete inspection and enforcement case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2008
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

SSTS: Section 7 Tracking Systems

Section 7 of the Federal Insecticide, Fungicide and Rodenticide Act, as amended (92 Stat. 829) requires all registered pesticide-producing establishments to submit a report to the Environmental Protection Agency by March 1st each year. Each establishment must report the types and amounts of pesticides, active ingredients and devices being produced, and those having been produced and sold or distributed in the past year.

Date of Government Version: 12/31/2009
Date Data Arrived at EDR: 12/10/2010
Date Made Active in Reports: 02/25/2011
Number of Days to Update: 77

Source: EPA
Telephone: 202-564-4203
Last EDR Contact: 01/28/2013
Next Scheduled EDR Contact: 05/13/2013
Data Release Frequency: Annually

ICIS: Integrated Compliance Information System

The Integrated Compliance Information System (ICIS) supports the information needs of the national enforcement and compliance program as well as the unique needs of the National Pollutant Discharge Elimination System (NPDES) program.

Date of Government Version: 07/20/2011
Date Data Arrived at EDR: 11/10/2011
Date Made Active in Reports: 01/10/2012
Number of Days to Update: 61

Source: Environmental Protection Agency
Telephone: 202-564-5088
Last EDR Contact: 01/17/2013
Next Scheduled EDR Contact: 04/29/2013
Data Release Frequency: Quarterly

PADS: PCB Activity Database System

PCB Activity Database. PADS Identifies generators, transporters, commercial storers and/or brokers and disposers of PCB's who are required to notify the EPA of such activities.

Date of Government Version: 11/01/2010
Date Data Arrived at EDR: 11/10/2010
Date Made Active in Reports: 02/16/2011
Number of Days to Update: 98

Source: EPA
Telephone: 202-566-0500
Last EDR Contact: 01/16/2013
Next Scheduled EDR Contact: 04/29/2013
Data Release Frequency: Annually

MLTS: Material Licensing Tracking System

MLTS is maintained by the Nuclear Regulatory Commission and contains a list of approximately 8,100 sites which possess or use radioactive materials and which are subject to NRC licensing requirements. To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 06/21/2011
Date Data Arrived at EDR: 07/15/2011
Date Made Active in Reports: 09/13/2011
Number of Days to Update: 60

Source: Nuclear Regulatory Commission
Telephone: 301-415-7169
Last EDR Contact: 12/10/2012
Next Scheduled EDR Contact: 03/25/2013
Data Release Frequency: Quarterly

RADINFO: Radiation Information Database

The Radiation Information Database (RADINFO) contains information about facilities that are regulated by U.S. Environmental Protection Agency (EPA) regulations for radiation and radioactivity.

Date of Government Version: 10/02/2012
Date Data Arrived at EDR: 10/02/2012
Date Made Active in Reports: 11/05/2012
Number of Days to Update: 34

Source: Environmental Protection Agency
Telephone: 202-343-9775
Last EDR Contact: 01/09/2013
Next Scheduled EDR Contact: 04/22/2013
Data Release Frequency: Quarterly

FINDS: Facility Index System/Facility Registry System

Facility Index System. FINDS contains both facility information and 'pointers' to other sources that contain more detail. EDR includes the following FINDS databases in this report: PCS (Permit Compliance System), AIRS (Aerometric Information Retrieval System), DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes), FURS (Federal Underground Injection Control), C-DOCKET (Criminal Docket System used to track criminal enforcement actions for all environmental statutes), FFIS (Federal Facilities Information System), STATE (State Environmental Laws and Statutes), and PADS (PCB Activity Data System).

Date of Government Version: 10/23/2011
Date Data Arrived at EDR: 12/13/2011
Date Made Active in Reports: 03/01/2012
Number of Days to Update: 79

Source: EPA
Telephone: (415) 947-8000
Last EDR Contact: 12/11/2012
Next Scheduled EDR Contact: 03/25/2013
Data Release Frequency: Quarterly

RAATS: RCRA Administrative Action Tracking System

RCRA Administration Action Tracking System. RAATS contains records based on enforcement actions issued under RCRA pertaining to major violators and includes administrative and civil actions brought by the EPA. For administration actions after September 30, 1995, data entry in the RAATS database was discontinued. EPA will retain a copy of the database for historical records. It was necessary to terminate RAATS because a decrease in agency resources made it impossible to continue to update the information contained in the database.

Date of Government Version: 04/17/1995
Date Data Arrived at EDR: 07/03/1995
Date Made Active in Reports: 08/07/1995
Number of Days to Update: 35

Source: EPA
Telephone: 202-564-4104
Last EDR Contact: 06/02/2008
Next Scheduled EDR Contact: 09/01/2008
Data Release Frequency: No Update Planned

RMP: Risk Management Plans

When Congress passed the Clean Air Act Amendments of 1990, it required EPA to publish regulations and guidance for chemical accident prevention at facilities using extremely hazardous substances. The Risk Management Program Rule (RMP Rule) was written to implement Section 112(r) of these amendments. The rule, which built upon existing industry codes and standards, requires companies of all sizes that use certain flammable and toxic substances to develop a Risk Management Program, which includes a(n): Hazard assessment that details the potential effects of an accidental release, an accident history of the last five years, and an evaluation of worst-case and alternative accidental releases; Prevention program that includes safety precautions and maintenance, monitoring, and employee training measures; and Emergency response program that spells out emergency health care, employee training measures and procedures for informing the public and response agencies (e.g the fire department) should an accident occur.

Date of Government Version: 05/08/2012
Date Data Arrived at EDR: 05/25/2012
Date Made Active in Reports: 07/10/2012
Number of Days to Update: 46
Source: Environmental Protection Agency
Telephone: 202-564-8600
Last EDR Contact: 01/28/2013
Next Scheduled EDR Contact: 05/13/2013
Data Release Frequency: Varies

BRS: Biennial Reporting System

The Biennial Reporting System is a national system administered by the EPA that collects data on the generation and management of hazardous waste. BRS captures detailed data from two groups: Large Quantity Generators (LQG) and Treatment, Storage, and Disposal Facilities.

Date of Government Version: 12/31/2009
Date Data Arrived at EDR: 03/01/2011
Date Made Active in Reports: 05/02/2011
Number of Days to Update: 62
Source: EPA/NTIS
Telephone: 800-424-9346
Last EDR Contact: 11/30/2012
Next Scheduled EDR Contact: 03/11/2013
Data Release Frequency: Biennially

CA BOND EXP. PLAN: Bond Expenditure Plan

Department of Health Services developed a site-specific expenditure plan as the basis for an appropriation of Hazardous Substance Cleanup Bond Act funds. It is not updated.

Date of Government Version: 01/01/1989
Date Data Arrived at EDR: 07/27/1994
Date Made Active in Reports: 08/02/1994
Number of Days to Update: 6
Source: Department of Health Services
Telephone: 916-255-2118
Last EDR Contact: 05/31/1994
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

NPDES: NPDES Permits Listing

A listing of NPDES permits, including stormwater.

Date of Government Version: 11/19/2012
Date Data Arrived at EDR: 11/19/2012
Date Made Active in Reports: 01/15/2013
Number of Days to Update: 57
Source: State Water Resources Control Board
Telephone: 916-445-9379
Last EDR Contact: 02/18/2013
Next Scheduled EDR Contact: 06/03/2013
Data Release Frequency: Quarterly

UIC: UIC Listing

A listing of underground control injection wells.

Date of Government Version: 10/17/2012
Date Data Arrived at EDR: 12/21/2012
Date Made Active in Reports: 01/25/2013
Number of Days to Update: 35
Source: Deaprtment of Conservation
Telephone: 916-445-2408
Last EDR Contact: 12/21/2012
Next Scheduled EDR Contact: 12/31/2012
Data Release Frequency: Varies

CORTESE: "Cortese" Hazardous Waste & Substances Sites List

The sites for the list are designated by the State Water Resource Control Board (LUST), the Integrated Waste Board (SWF/LS), and the Department of Toxic Substances Control (Cal-Sites).

Date of Government Version: 01/02/2013
Date Data Arrived at EDR: 01/03/2013
Date Made Active in Reports: 02/22/2013
Number of Days to Update: 50

Source: CAL EPA/Office of Emergency Information
Telephone: 916-323-3400
Last EDR Contact: 01/03/2013
Next Scheduled EDR Contact: 04/15/2013
Data Release Frequency: Quarterly

HIST CORTESE: Hazardous Waste & Substance Site List

The sites for the list are designated by the State Water Resource Control Board [LUST], the Integrated Waste Board [SWF/LS], and the Department of Toxic Substances Control [CALSITES]. This listing is no longer updated by the state agency.

Date of Government Version: 04/01/2001
Date Data Arrived at EDR: 01/22/2009
Date Made Active in Reports: 04/08/2009
Number of Days to Update: 76

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 01/22/2009
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

NOTIFY 65: Proposition 65 Records

Listings of all Proposition 65 incidents reported to counties by the State Water Resources Control Board and the Regional Water Quality Control Board. This database is no longer updated by the reporting agency.

Date of Government Version: 10/21/1993
Date Data Arrived at EDR: 11/01/1993
Date Made Active in Reports: 11/19/1993
Number of Days to Update: 18

Source: State Water Resources Control Board
Telephone: 916-445-3846
Last EDR Contact: 12/18/2012
Next Scheduled EDR Contact: 04/08/2013
Data Release Frequency: No Update Planned

DRYCLEANERS: Cleaner Facilities

A list of drycleaner related facilities that have EPA ID numbers. These are facilities with certain SIC codes: power laundries, family and commercial; garment pressing and cleaner's agents; linen supply; coin-operated laundries and cleaning; drycleaning plants, except rugs; carpet and upholster cleaning; industrial launderers; laundry and garment services.

Date of Government Version: 12/11/2012
Date Data Arrived at EDR: 12/12/2012
Date Made Active in Reports: 01/04/2013
Number of Days to Update: 23

Source: Department of Toxic Substance Control
Telephone: 916-327-4498
Last EDR Contact: 12/10/2012
Next Scheduled EDR Contact: 12/24/2012
Data Release Frequency: Annually

WIP: Well Investigation Program Case List

Well Investigation Program case in the San Gabriel and San Fernando Valley area.

Date of Government Version: 07/03/2009
Date Data Arrived at EDR: 07/21/2009
Date Made Active in Reports: 08/03/2009
Number of Days to Update: 13

Source: Los Angeles Water Quality Control Board
Telephone: 213-576-6726
Last EDR Contact: 12/28/2012
Next Scheduled EDR Contact: 04/15/2013
Data Release Frequency: Varies

ENF: Enforcement Action Listing

A listing of Water Board Enforcement Actions. Formal is everything except Oral/Verbal Communication, Notice of Violation, Expedited Payment Letter, and Staff Enforcement Letter.

Date of Government Version: 11/16/2012
Date Data Arrived at EDR: 11/20/2012
Date Made Active in Reports: 01/21/2013
Number of Days to Update: 62

Source: State Water Resoruces Control Board
Telephone: 916-445-9379
Last EDR Contact: 01/08/2013
Next Scheduled EDR Contact: 05/13/2013
Data Release Frequency: Varies

HAZNET: Facility and Manifest Data

Facility and Manifest Data. The data is extracted from the copies of hazardous waste manifests received each year by the DTSC. The annual volume of manifests is typically 700,000 - 1,000,000 annually, representing approximately 350,000 - 500,000 shipments. Data are from the manifests submitted without correction, and therefore many contain some invalid values for data elements such as generator ID, TSD ID, waste category, and disposal method.

Date of Government Version: 12/31/2011
Date Data Arrived at EDR: 06/22/2012
Date Made Active in Reports: 07/06/2012
Number of Days to Update: 14

Source: California Environmental Protection Agency
Telephone: 916-255-1136
Last EDR Contact: 01/14/2013
Next Scheduled EDR Contact: 04/29/2013
Data Release Frequency: Annually

EMI: Emissions Inventory Data

Toxics and criteria pollutant emissions data collected by the ARB and local air pollution agencies.

Date of Government Version: 12/31/2008
Date Data Arrived at EDR: 09/29/2010
Date Made Active in Reports: 10/18/2010
Number of Days to Update: 19

Source: California Air Resources Board
Telephone: 916-322-2990
Last EDR Contact: 12/28/2012
Next Scheduled EDR Contact: 04/08/2013
Data Release Frequency: Varies

INDIAN RESERV: Indian Reservations

This map layer portrays Indian administered lands of the United States that have any area equal to or greater than 640 acres.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 12/08/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 34

Source: USGS
Telephone: 202-208-3710
Last EDR Contact: 01/17/2013
Next Scheduled EDR Contact: 04/29/2013
Data Release Frequency: Semi-Annually

SCRD DRYCLEANERS: State Coalition for Remediation of Drycleaners Listing

The State Coalition for Remediation of Drycleaners was established in 1998, with support from the U.S. EPA Office of Superfund Remediation and Technology Innovation. It is comprised of representatives of states with established drycleaner remediation programs. Currently the member states are Alabama, Connecticut, Florida, Illinois, Kansas, Minnesota, Missouri, North Carolina, Oregon, South Carolina, Tennessee, Texas, and Wisconsin.

Date of Government Version: 03/07/2011
Date Data Arrived at EDR: 03/09/2011
Date Made Active in Reports: 05/02/2011
Number of Days to Update: 54

Source: Environmental Protection Agency
Telephone: 615-532-8599
Last EDR Contact: 01/21/2013
Next Scheduled EDR Contact: 05/06/2013
Data Release Frequency: Varies

US FIN ASSUR: Financial Assurance Information

All owners and operators of facilities that treat, store, or dispose of hazardous waste are required to provide proof that they will have sufficient funds to pay for the clean up, closure, and post-closure care of their facilities.

Date of Government Version: 08/20/2012
Date Data Arrived at EDR: 08/28/2012
Date Made Active in Reports: 11/05/2012
Number of Days to Update: 69

Source: Environmental Protection Agency
Telephone: 202-566-1917
Last EDR Contact: 02/19/2013
Next Scheduled EDR Contact: 06/03/2013
Data Release Frequency: Quarterly

PCB TRANSFORMER: PCB Transformer Registration Database

The database of PCB transformer registrations that includes all PCB registration submittals.

Date of Government Version: 02/01/2011
Date Data Arrived at EDR: 10/19/2011
Date Made Active in Reports: 01/10/2012
Number of Days to Update: 83

Source: Environmental Protection Agency
Telephone: 202-566-0517
Last EDR Contact: 02/01/2013
Next Scheduled EDR Contact: 05/13/2013
Data Release Frequency: Varies

PROC: Certified Processors Database

A listing of certified processors.

Date of Government Version: 12/18/2012
Date Data Arrived at EDR: 12/20/2012
Date Made Active in Reports: 01/25/2013
Number of Days to Update: 36

Source: Department of Conservation
Telephone: 916-323-3836
Last EDR Contact: 12/20/2012
Next Scheduled EDR Contact: 04/01/2013
Data Release Frequency: Quarterly

MWMP: Medical Waste Management Program Listing

The Medical Waste Management Program (MWMP) ensures the proper handling and disposal of medical waste by permitting and inspecting medical waste Offsite Treatment Facilities (PDF) and Transfer Stations (PDF) throughout the state. MWMP also oversees all Medical Waste Transporters.

Date of Government Version: 12/07/2012
Date Data Arrived at EDR: 12/12/2012
Date Made Active in Reports: 01/15/2013
Number of Days to Update: 34

Source: Department of Public Health
Telephone: 916-558-1784
Last EDR Contact: 12/10/2012
Next Scheduled EDR Contact: 03/25/2013
Data Release Frequency: Varies

COAL ASH DOE: Sleam-Electric Plan Operation Data

A listing of power plants that store ash in surface ponds.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 08/07/2009
Date Made Active in Reports: 10/22/2009
Number of Days to Update: 76

Source: Department of Energy
Telephone: 202-586-8719
Last EDR Contact: 01/15/2013
Next Scheduled EDR Contact: 04/29/2013
Data Release Frequency: Varies

COAL ASH EPA: Coal Combustion Residues Surface Impoundments List

A listing of coal combustion residues surface impoundments with high hazard potential ratings.

Date of Government Version: 08/17/2010
Date Data Arrived at EDR: 01/03/2011
Date Made Active in Reports: 03/21/2011
Number of Days to Update: 77

Source: Environmental Protection Agency
Telephone: N/A
Last EDR Contact: 12/11/2012
Next Scheduled EDR Contact: 03/25/2013
Data Release Frequency: Varies

HWT: Registered Hazardous Waste Transporter Database

A listing of hazardous waste transporters. In California, unless specifically exempted, it is unlawful for any person to transport hazardous wastes unless the person holds a valid registration issued by DTSC. A hazardous waste transporter registration is valid for one year and is assigned a unique registration number.

Date of Government Version: 01/15/2013
Date Data Arrived at EDR: 01/15/2013
Date Made Active in Reports: 02/22/2013
Number of Days to Update: 38

Source: Department of Toxic Substances Control
Telephone: 916-440-7145
Last EDR Contact: 01/15/2013
Next Scheduled EDR Contact: 04/29/2013
Data Release Frequency: Quarterly

HWP: EnviroStor Permitted Facilities Listing

Detailed information on permitted hazardous waste facilities and corrective action ("cleanups") tracked in EnviroStor.

Date of Government Version: 11/26/2012
Date Data Arrived at EDR: 11/28/2012
Date Made Active in Reports: 01/09/2013
Number of Days to Update: 42

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 11/28/2012
Next Scheduled EDR Contact: 03/11/2013
Data Release Frequency: Quarterly

Financial Assurance 2: Financial Assurance Information Listing

A listing of financial assurance information for solid waste facilities. Financial assurance is intended to ensure that resources are available to pay for the cost of closure, post-closure care, and corrective measures if the owner or operator of a regulated facility is unable or unwilling to pay.

Date of Government Version: 11/19/2012
Date Data Arrived at EDR: 11/20/2012
Date Made Active in Reports: 01/04/2013
Number of Days to Update: 45

Source: California Integrated Waste Management Board
Telephone: 916-341-6066
Last EDR Contact: 02/18/2013
Next Scheduled EDR Contact: 06/03/2013
Data Release Frequency: Varies

Financial Assurance 1: Financial Assurance Information Listing
Financial Assurance information

Date of Government Version: 03/01/2007
Date Data Arrived at EDR: 06/01/2007
Date Made Active in Reports: 06/29/2007
Number of Days to Update: 28

Source: Department of Toxic Substances Control
Telephone: 916-255-3628
Last EDR Contact: 02/01/2013
Next Scheduled EDR Contact: 05/13/2013
Data Release Frequency: Varies

2020 COR ACTION: 2020 Corrective Action Program List
The EPA has set ambitious goals for the RCRA Corrective Action program by creating the 2020 Corrective Action Universe. This RCRA cleanup baseline includes facilities expected to need corrective action. The 2020 universe contains a wide variety of sites. Some properties are heavily contaminated while others were contaminated but have since been cleaned up. Still others have not been fully investigated yet, and may require little or no remediation. Inclusion in the 2020 Universe does not necessarily imply failure on the part of a facility to meet its RCRA obligations.

Date of Government Version: 11/11/2011
Date Data Arrived at EDR: 05/18/2012
Date Made Active in Reports: 05/25/2012
Number of Days to Update: 7

Source: Environmental Protection Agency
Telephone: 703-308-4044
Last EDR Contact: 02/15/2013
Next Scheduled EDR Contact: 05/27/2013
Data Release Frequency: Varies

FEDLAND: Federal and Indian Lands
Federally and Indian administrated lands of the United States. Lands included are administrated by: Army Corps of Engineers, Bureau of Reclamation, National Wild and Scenic River, National Wildlife Refuge, Public Domain Land, Wilderness, Wilderness Study Area, Wildlife Management Area, Bureau of Indian Affairs, Bureau of Land Management, Department of Justice, Forest Service, Fish and Wildlife Service, National Park Service.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 02/06/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 339

Source: U.S. Geological Survey
Telephone: 888-275-8747
Last EDR Contact: 01/17/2013
Next Scheduled EDR Contact: 04/29/2013
Data Release Frequency: N/A

PRP: Potentially Responsible Parties
A listing of verified Potentially Responsible Parties

Date of Government Version: 10/01/2012
Date Data Arrived at EDR: 10/04/2012
Date Made Active in Reports: 11/05/2012
Number of Days to Update: 32

Source: EPA
Telephone: 202-564-6023
Last EDR Contact: 01/03/2013
Next Scheduled EDR Contact: 04/15/2013
Data Release Frequency: Quarterly

WDS: Waste Discharge System
Sites which have been issued waste discharge requirements.

Date of Government Version: 06/19/2007
Date Data Arrived at EDR: 06/20/2007
Date Made Active in Reports: 06/29/2007
Number of Days to Update: 9

Source: State Water Resources Control Board
Telephone: 916-341-5227
Last EDR Contact: 02/25/2013
Next Scheduled EDR Contact: 06/10/2013
Data Release Frequency: Quarterly

US AIRS (AFS): Aerometric Information Retrieval System Facility Subsystem (AFS)
The database is a sub-system of Aerometric Information Retrieval System (AIRS). AFS contains compliance data on air pollution point sources regulated by the U.S. EPA and/or state and local air regulatory agencies. This information comes from source reports by various stationary sources of air pollution, such as electric power plants, steel mills, factories, and universities, and provides information about the air pollutants they produce. Action, air program, air program pollutant, and general level plant data. It is used to track emissions and compliance data from industrial plants.

Date of Government Version: 11/15/2012
Date Data Arrived at EDR: 11/16/2012
Date Made Active in Reports: 02/15/2013
Number of Days to Update: 91

Source: EPA
Telephone: 202-564-5962
Last EDR Contact: 12/28/2012
Next Scheduled EDR Contact: 04/15/2013
Data Release Frequency: Annually

US AIRS MINOR: Air Facility System Data
A listing of minor source facilities.

Date of Government Version: 11/15/2012
Date Data Arrived at EDR: 11/16/2012
Date Made Active in Reports: 02/15/2013
Number of Days to Update: 91

Source: EPA
Telephone: 202-564-5962
Last EDR Contact: 12/28/2012
Next Scheduled EDR Contact: 04/15/2013
Data Release Frequency: Annually

EPA WATCH LIST: EPA WATCH LIST
EPA maintains a "Watch List" to facilitate dialogue between EPA, state and local environmental agencies on enforcement matters relating to facilities with alleged violations identified as either significant or high priority. Being on the Watch List does not mean that the facility has actually violated the law only that an investigation by EPA or a state or local environmental agency has led those organizations to allege that an unproven violation has in fact occurred. Being on the Watch List does not represent a higher level of concern regarding the alleged violations that were detected, but instead indicates cases requiring additional dialogue between EPA, state and local agencies - primarily because of the length of time the alleged violation has gone unaddressed or unresolved.

Date of Government Version: 07/31/2012
Date Data Arrived at EDR: 08/13/2012
Date Made Active in Reports: 09/18/2012
Number of Days to Update: 36

Source: Environmental Protection Agency
Telephone: 617-520-3000
Last EDR Contact: 02/12/2013
Next Scheduled EDR Contact: 05/27/2013
Data Release Frequency: Quarterly

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP: EDR Proprietary Manufactured Gas Plants
The EDR Proprietary Manufactured Gas Plant Database includes records of coal gas plants (manufactured gas plants) compiled by EDR's researchers. Manufactured gas sites were used in the United States from the 1800's to 1950's to produce a gas that could be distributed and used as fuel. These plants used whale oil, rosin, coal, or a mixture of coal, oil, and water that also produced a significant amount of waste. Many of the byproducts of the gas production, such as coal tar (oily waste containing volatile and non-volatile chemicals), sludges, oils and other compounds are potentially hazardous to human health and the environment. The byproduct from this process was frequently disposed of directly at the plant site and can remain or spread slowly, serving as a continuous source of soil and groundwater contamination.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

EDR US Hist Auto Stat: EDR Exclusive Historic Gas Stations
EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR US Hist Cleaners: EDR Exclusive Historic Dry Cleaners

EDR has searched selected national collections of business directories and has collected listings of potential dry cleaner sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning establishments. The categories reviewed included, but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash & dry etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR US Hist Cleaners: EDR Proprietary Historic Dry Cleaners - Cole

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: N/A
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR US Hist Auto Stat: EDR Proprietary Historic Gas Stations - Cole

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: N/A
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

COUNTY RECORDS

ALAMEDA COUNTY:

Contaminated Sites

A listing of contaminated sites overseen by the Toxic Release Program (oil and groundwater contamination from chemical releases and spills) and the Leaking Underground Storage Tank Program (soil and ground water contamination from leaking petroleum USTs).

Date of Government Version: 01/16/2013
Date Data Arrived at EDR: 01/17/2013
Date Made Active in Reports: 02/22/2013
Number of Days to Update: 36

Source: Alameda County Environmental Health Services
Telephone: 510-567-6700
Last EDR Contact: 12/28/2012
Next Scheduled EDR Contact: 04/15/2013
Data Release Frequency: Semi-Annually

Underground Tanks

Underground storage tank sites located in Alameda county.

Date of Government Version: 01/16/2013
Date Data Arrived at EDR: 01/17/2013
Date Made Active in Reports: 01/31/2013
Number of Days to Update: 14

Source: Alameda County Environmental Health Services
Telephone: 510-567-6700
Last EDR Contact: 12/28/2012
Next Scheduled EDR Contact: 04/15/2013
Data Release Frequency: Semi-Annually

AMADOR COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

CUPA Facility List
Cupa Facility List

Date of Government Version: 12/20/2012
Date Data Arrived at EDR: 01/04/2013
Date Made Active in Reports: 02/22/2013
Number of Days to Update: 49

Source: Amador County Environmental Health
Telephone: 209-223-6439
Last EDR Contact: 12/20/2012
Next Scheduled EDR Contact: 03/25/2013
Data Release Frequency: Varies

BUTTE COUNTY:

CUPA Facility Listing
Cupa facility list.

Date of Government Version: 10/16/2012
Date Data Arrived at EDR: 10/17/2012
Date Made Active in Reports: 11/13/2012
Number of Days to Update: 27

Source: Public Health Department
Telephone: 530-538-7149
Last EDR Contact: 01/28/2013
Next Scheduled EDR Contact: 04/29/2013
Data Release Frequency: Varies

CALVERAS COUNTY:

CUPA Facility Listing
Cupa Facility Listing

Date of Government Version: 12/21/2012
Date Data Arrived at EDR: 01/04/2013
Date Made Active in Reports: 02/22/2013
Number of Days to Update: 49

Source: Calveras County Environmental Health
Telephone: 209-754-6399
Last EDR Contact: 12/20/2012
Next Scheduled EDR Contact: 04/15/2013
Data Release Frequency: Quarterly

COLUSA COUNTY:

CUPA Facility List
Cupa facility list.

Date of Government Version: 08/16/2012
Date Data Arrived at EDR: 08/22/2012
Date Made Active in Reports: 10/03/2012
Number of Days to Update: 42

Source: Health & Human Services
Telephone: 530-458-0396
Last EDR Contact: 02/11/2013
Next Scheduled EDR Contact: 05/27/2013
Data Release Frequency: Varies

CONTRA COSTA COUNTY:

Site List
List includes sites from the underground tank, hazardous waste generator and business plan/2185 programs.

Date of Government Version: 11/27/2012
Date Data Arrived at EDR: 11/28/2012
Date Made Active in Reports: 01/15/2013
Number of Days to Update: 48

Source: Contra Costa Health Services Department
Telephone: 925-646-2286
Last EDR Contact: 02/04/2013
Next Scheduled EDR Contact: 05/20/2013
Data Release Frequency: Semi-Annually

DEL NORTE COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

CUPA Facility List
Cupa Facility list

Date of Government Version: 01/09/2013
Date Data Arrived at EDR: 01/10/2013
Date Made Active in Reports: 02/25/2013
Number of Days to Update: 46

Source: Del Norte County Environmental Health Division
Telephone: 707-465-0426
Last EDR Contact: 01/08/2013
Next Scheduled EDR Contact: 05/20/2013
Data Release Frequency: Varies

EL DORADO COUNTY:

CUPA Facility List
CUPA facility list.

Date of Government Version: 11/19/2012
Date Data Arrived at EDR: 11/20/2012
Date Made Active in Reports: 01/15/2013
Number of Days to Update: 56

Source: El Dorado County Environmental Management Department
Telephone: 530-621-6623
Last EDR Contact: 02/04/2013
Next Scheduled EDR Contact: 05/20/2013
Data Release Frequency: Varies

FRESNO COUNTY:

CUPA Resources List
Certified Unified Program Agency. CUPA's are responsible for implementing a unified hazardous materials and hazardous waste management regulatory program. The agency provides oversight of businesses that deal with hazardous materials, operate underground storage tanks or aboveground storage tanks.

Date of Government Version: 09/30/2012
Date Data Arrived at EDR: 10/05/2012
Date Made Active in Reports: 10/23/2012
Number of Days to Update: 18

Source: Dept. of Community Health
Telephone: 559-445-3271
Last EDR Contact: 02/08/2013
Next Scheduled EDR Contact: 04/29/2013
Data Release Frequency: Semi-Annually

HUMBOLDT COUNTY:

CUPA Facility List
CUPA facility list.

Date of Government Version: 12/21/2012
Date Data Arrived at EDR: 12/21/2012
Date Made Active in Reports: 01/22/2013
Number of Days to Update: 32

Source: Humboldt County Environmental Health
Telephone: N/A
Last EDR Contact: 02/25/2013
Next Scheduled EDR Contact: 06/10/2013
Data Release Frequency: Varies

IMPERIAL COUNTY:

CUPA Facility List
Cupa facility list.

Date of Government Version: 05/01/2012
Date Data Arrived at EDR: 05/02/2012
Date Made Active in Reports: 06/11/2012
Number of Days to Update: 40

Source: San Diego Border Field Office
Telephone: 760-339-2777
Last EDR Contact: 01/28/2013
Next Scheduled EDR Contact: 05/13/2013
Data Release Frequency: Varies

INYO COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

CUPA Facility List
Cupa facility list.

Date of Government Version: 06/26/2012
Date Data Arrived at EDR: 06/27/2012
Date Made Active in Reports: 08/17/2012
Number of Days to Update: 51

Source: Inyo County Environmental Health Services
Telephone: 760-878-0238
Last EDR Contact: 02/25/2013
Next Scheduled EDR Contact: 06/10/2013
Data Release Frequency: Varies

KERN COUNTY:

Underground Storage Tank Sites & Tank Listing
Kern County Sites and Tanks Listing.

Date of Government Version: 08/31/2010
Date Data Arrived at EDR: 09/01/2010
Date Made Active in Reports: 09/30/2010
Number of Days to Update: 29

Source: Kern County Environment Health Services Department
Telephone: 661-862-8700
Last EDR Contact: 02/11/2013
Next Scheduled EDR Contact: 05/27/2013
Data Release Frequency: Quarterly

KINGS COUNTY:

CUPA Facility List
A listing of sites included in the county?s Certified Unified Program Agency database. California?s Secretary for Environmental Protection established the unified hazardous materials and hazardous waste regulatory program as required by chapter 6.11 of the California Health and Safety Code. The Unified Program consolidates the administration, permits, inspections, and enforcement activities.

Date of Government Version: 07/10/2012
Date Data Arrived at EDR: 07/12/2012
Date Made Active in Reports: 09/06/2012
Number of Days to Update: 56

Source: Kings County Department of Public Health
Telephone: 559-584-1411
Last EDR Contact: 02/12/2013
Next Scheduled EDR Contact: 06/10/2013
Data Release Frequency: Varies

LOS ANGELES COUNTY:

San Gabriel Valley Areas of Concern
San Gabriel Valley areas where VOC contamination is at or above the MCL as designated by region 9 EPA office.

Date of Government Version: 03/30/2009
Date Data Arrived at EDR: 03/31/2009
Date Made Active in Reports: 10/23/2009
Number of Days to Update: 206

Source: EPA Region 9
Telephone: 415-972-3178
Last EDR Contact: 12/18/2012
Next Scheduled EDR Contact: 04/01/2013
Data Release Frequency: No Update Planned

HMS: Street Number List
Industrial Waste and Underground Storage Tank Sites.

Date of Government Version: 10/31/2012
Date Data Arrived at EDR: 12/28/2012
Date Made Active in Reports: 01/25/2013
Number of Days to Update: 28

Source: Department of Public Works
Telephone: 626-458-3517
Last EDR Contact: 07/16/2012
Next Scheduled EDR Contact: 10/26/2012
Data Release Frequency: Semi-Annually

List of Solid Waste Facilities
Solid Waste Facilities in Los Angeles County.

Date of Government Version: 10/22/2012
Date Data Arrived at EDR: 10/23/2012
Date Made Active in Reports: 11/30/2012
Number of Days to Update: 38

Source: La County Department of Public Works
Telephone: 818-458-5185
Last EDR Contact: 01/22/2013
Next Scheduled EDR Contact: 05/06/2013
Data Release Frequency: Varies

City of Los Angeles Landfills

Landfills owned and maintained by the City of Los Angeles.

Date of Government Version: 03/05/2009
Date Data Arrived at EDR: 03/10/2009
Date Made Active in Reports: 04/08/2009
Number of Days to Update: 29

Source: Engineering & Construction Division
Telephone: 213-473-7869
Last EDR Contact: 02/18/2013
Next Scheduled EDR Contact: 06/03/2013
Data Release Frequency: Varies

Site Mitigation List

Industrial sites that have had some sort of spill or complaint.

Date of Government Version: 12/29/2011
Date Data Arrived at EDR: 02/02/2012
Date Made Active in Reports: 02/21/2012
Number of Days to Update: 19

Source: Community Health Services
Telephone: 323-890-7806
Last EDR Contact: 01/21/2013
Next Scheduled EDR Contact: 05/06/2013
Data Release Frequency: Annually

City of El Segundo Underground Storage Tank

Underground storage tank sites located in El Segundo city.

Date of Government Version: 10/23/2012
Date Data Arrived at EDR: 10/25/2012
Date Made Active in Reports: 11/30/2012
Number of Days to Update: 36

Source: City of El Segundo Fire Department
Telephone: 310-524-2236
Last EDR Contact: 01/21/2013
Next Scheduled EDR Contact: 05/06/2013
Data Release Frequency: Semi-Annually

City of Long Beach Underground Storage Tank

Underground storage tank sites located in the city of Long Beach.

Date of Government Version: 03/28/2003
Date Data Arrived at EDR: 10/23/2003
Date Made Active in Reports: 11/26/2003
Number of Days to Update: 34

Source: City of Long Beach Fire Department
Telephone: 562-570-2563
Last EDR Contact: 01/29/2013
Next Scheduled EDR Contact: 05/13/2013
Data Release Frequency: Annually

City of Torrance Underground Storage Tank

Underground storage tank sites located in the city of Torrance.

Date of Government Version: 01/14/2013
Date Data Arrived at EDR: 01/15/2013
Date Made Active in Reports: 01/31/2013
Number of Days to Update: 16

Source: City of Torrance Fire Department
Telephone: 310-618-2973
Last EDR Contact: 01/14/2013
Next Scheduled EDR Contact: 04/29/2013
Data Release Frequency: Semi-Annually

MADERA COUNTY:

CUPA Facility List

A listing of sites included in the county?s Certified Unified Program Agency database. California?s Secretary for Environmental Protection established the unified hazardous materials and hazardous waste regulatory program as required by chapter 6.11 of the California Health and Safety Code. The Unified Program consolidates the administration, permits, inspections, and enforcement activities.

Date of Government Version: 12/18/2012
Date Data Arrived at EDR: 12/20/2012
Date Made Active in Reports: 02/08/2013
Number of Days to Update: 50

Source: Madera County Environmental Health
Telephone: 559-675-7823
Last EDR Contact: 02/25/2013
Next Scheduled EDR Contact: 06/10/2013
Data Release Frequency: Varies

MARIN COUNTY:

Underground Storage Tank Sites
Currently permitted USTs in Marin County.

Date of Government Version: 11/26/2012
Date Data Arrived at EDR: 11/28/2012
Date Made Active in Reports: 01/21/2013
Number of Days to Update: 54

Source: Public Works Department Waste Management
Telephone: 415-499-6647
Last EDR Contact: 01/21/2013
Next Scheduled EDR Contact: 04/22/2013
Data Release Frequency: Semi-Annually

MERCED COUNTY:

CUPA Facility List
CUPA facility list.

Date of Government Version: 09/18/2012
Date Data Arrived at EDR: 09/19/2012
Date Made Active in Reports: 10/03/2012
Number of Days to Update: 14

Source: Merced County Environmental Health
Telephone: 209-381-1094
Last EDR Contact: 02/25/2013
Next Scheduled EDR Contact: 06/10/2013
Data Release Frequency: Varies

MONO COUNTY:

CUPA Facility List
CUPA Facility List

Date of Government Version: 12/26/2012
Date Data Arrived at EDR: 01/08/2013
Date Made Active in Reports: 02/25/2013
Number of Days to Update: 48

Source: Mono County Health Department
Telephone: 760-932-5580
Last EDR Contact: 12/20/2012
Next Scheduled EDR Contact: 03/18/2013
Data Release Frequency: Varies

MONTEREY COUNTY:

CUPA Facility Listing
CUPA Program listing from the Environmental Health Division.

Date of Government Version: 12/18/2012
Date Data Arrived at EDR: 12/20/2012
Date Made Active in Reports: 02/08/2013
Number of Days to Update: 50

Source: Monterey County Health Department
Telephone: 831-796-1297
Last EDR Contact: 02/25/2013
Next Scheduled EDR Contact: 06/10/2013
Data Release Frequency: Varies

NAPA COUNTY:

Sites With Reported Contamination
A listing of leaking underground storage tank sites located in Napa county.

Date of Government Version: 12/05/2011
Date Data Arrived at EDR: 12/06/2011
Date Made Active in Reports: 02/07/2012
Number of Days to Update: 63

Source: Napa County Department of Environmental Management
Telephone: 707-253-4269
Last EDR Contact: 12/03/2012
Next Scheduled EDR Contact: 03/18/2013
Data Release Frequency: No Update Planned

Closed and Operating Underground Storage Tank Sites
Underground storage tank sites located in Napa county.

Date of Government Version: 01/15/2008
Date Data Arrived at EDR: 01/16/2008
Date Made Active in Reports: 02/08/2008
Number of Days to Update: 23

Source: Napa County Department of Environmental Management
Telephone: 707-253-4269
Last EDR Contact: 12/05/2012
Next Scheduled EDR Contact: 03/18/2013
Data Release Frequency: No Update Planned

NEVADA COUNTY:

CUPA Facility List
CUPA facility list.

Date of Government Version: 11/05/2012
Date Data Arrived at EDR: 11/06/2012
Date Made Active in Reports: 11/30/2012
Number of Days to Update: 24

Source: Community Development Agency
Telephone: 530-265-1467
Last EDR Contact: 02/18/2013
Next Scheduled EDR Contact: 05/20/2013
Data Release Frequency: Varies

ORANGE COUNTY:

List of Industrial Site Cleanups
Petroleum and non-petroleum spills.

Date of Government Version: 11/05/2012
Date Data Arrived at EDR: 11/16/2012
Date Made Active in Reports: 12/03/2012
Number of Days to Update: 17

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 02/13/2013
Next Scheduled EDR Contact: 05/27/2013
Data Release Frequency: Annually

List of Underground Storage Tank Cleanups
Orange County Underground Storage Tank Cleanups (LUST).

Date of Government Version: 11/05/2012
Date Data Arrived at EDR: 11/16/2012
Date Made Active in Reports: 12/03/2012
Number of Days to Update: 17

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 02/12/2013
Next Scheduled EDR Contact: 05/27/2013
Data Release Frequency: Quarterly

List of Underground Storage Tank Facilities
Orange County Underground Storage Tank Facilities (UST).

Date of Government Version: 11/05/2012
Date Data Arrived at EDR: 11/15/2012
Date Made Active in Reports: 12/03/2012
Number of Days to Update: 18

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 02/12/2013
Next Scheduled EDR Contact: 05/27/2013
Data Release Frequency: Quarterly

PLACER COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Master List of Facilities
List includes aboveground tanks, underground tanks and cleanup sites.

Date of Government Version: 12/11/2012
Date Data Arrived at EDR: 12/12/2012
Date Made Active in Reports: 01/15/2013
Number of Days to Update: 34

Source: Placer County Health and Human Services
Telephone: 530-745-2363
Last EDR Contact: 12/10/2012
Next Scheduled EDR Contact: 03/25/2013
Data Release Frequency: Semi-Annually

RIVERSIDE COUNTY:

Listing of Underground Tank Cleanup Sites
Riverside County Underground Storage Tank Cleanup Sites (LUST).

Date of Government Version: 10/16/2012
Date Data Arrived at EDR: 10/18/2012
Date Made Active in Reports: 11/07/2012
Number of Days to Update: 20

Source: Department of Environmental Health
Telephone: 951-358-5055
Last EDR Contact: 12/26/2012
Next Scheduled EDR Contact: 04/08/2013
Data Release Frequency: Quarterly

Underground Storage Tank Tank List
Underground storage tank sites located in Riverside county.

Date of Government Version: 10/16/2012
Date Data Arrived at EDR: 10/18/2012
Date Made Active in Reports: 11/07/2012
Number of Days to Update: 20

Source: Department of Environmental Health
Telephone: 951-358-5055
Last EDR Contact: 12/26/2012
Next Scheduled EDR Contact: 04/08/2013
Data Release Frequency: Quarterly

SACRAMENTO COUNTY:

Toxic Site Clean-Up List
List of sites where unauthorized releases of potentially hazardous materials have occurred.

Date of Government Version: 11/29/2012
Date Data Arrived at EDR: 01/10/2013
Date Made Active in Reports: 02/22/2013
Number of Days to Update: 43

Source: Sacramento County Environmental Management
Telephone: 916-875-8406
Last EDR Contact: 01/07/2013
Next Scheduled EDR Contact: 04/22/2013
Data Release Frequency: Quarterly

Master Hazardous Materials Facility List
Any business that has hazardous materials on site - hazardous material storage sites, underground storage tanks, waste generators.

Date of Government Version: 11/02/2012
Date Data Arrived at EDR: 01/15/2013
Date Made Active in Reports: 02/22/2013
Number of Days to Update: 38

Source: Sacramento County Environmental Management
Telephone: 916-875-8406
Last EDR Contact: 01/07/2013
Next Scheduled EDR Contact: 04/22/2013
Data Release Frequency: Quarterly

SAN BERNARDINO COUNTY:

Hazardous Material Permits
This listing includes underground storage tanks, medical waste handlers/generators, hazardous materials handlers, hazardous waste generators, and waste oil generators/handlers.

Date of Government Version: 12/12/2012
Date Data Arrived at EDR: 12/18/2012
Date Made Active in Reports: 01/25/2013
Number of Days to Update: 38

Source: San Bernardino County Fire Department Hazardous Materials Division
Telephone: 909-387-3041
Last EDR Contact: 02/11/2013
Next Scheduled EDR Contact: 05/27/2013
Data Release Frequency: Quarterly

SAN DIEGO COUNTY:

Hazardous Materials Management Division Database

The database includes: HE58 - This report contains the business name, site address, business phone number, establishment 'H' permit number, type of permit, and the business status. HE17 - In addition to providing the same information provided in the HE58 listing, HE17 provides inspection dates, violations received by the establishment, hazardous waste generated, the quantity, method of storage, treatment/disposal of waste and the hauler, and information on underground storage tanks. Unauthorized Release List - Includes a summary of environmental contamination cases in San Diego County (underground tank cases, non-tank cases, groundwater contamination, and soil contamination are included.)

Date of Government Version: 08/17/2012
Date Data Arrived at EDR: 08/20/2012
Date Made Active in Reports: 10/03/2012
Number of Days to Update: 44

Source: Hazardous Materials Management Division
Telephone: 619-338-2268
Last EDR Contact: 01/02/2013
Next Scheduled EDR Contact: 03/25/2013
Data Release Frequency: Quarterly

Solid Waste Facilities

San Diego County Solid Waste Facilities.

Date of Government Version: 10/31/2012
Date Data Arrived at EDR: 11/06/2012
Date Made Active in Reports: 11/30/2012
Number of Days to Update: 24

Source: Department of Health Services
Telephone: 619-338-2209
Last EDR Contact: 01/28/2013
Next Scheduled EDR Contact: 05/13/2013
Data Release Frequency: Varies

Environmental Case Listing

The listing contains all underground tank release cases and projects pertaining to properties contaminated with hazardous substances that are actively under review by the Site Assessment and Mitigation Program.

Date of Government Version: 03/23/2010
Date Data Arrived at EDR: 06/15/2010
Date Made Active in Reports: 07/09/2010
Number of Days to Update: 24

Source: San Diego County Department of Environmental Health
Telephone: 619-338-2371
Last EDR Contact: 12/10/2012
Next Scheduled EDR Contact: 03/25/2013
Data Release Frequency: No Update Planned

SAN FRANCISCO COUNTY:

Local Oversite Facilities

A listing of leaking underground storage tank sites located in San Francisco county.

Date of Government Version: 09/19/2008
Date Data Arrived at EDR: 09/19/2008
Date Made Active in Reports: 09/29/2008
Number of Days to Update: 10

Source: Department Of Public Health San Francisco County
Telephone: 415-252-3920
Last EDR Contact: 02/11/2013
Next Scheduled EDR Contact: 05/27/2013
Data Release Frequency: Quarterly

Underground Storage Tank Information

Underground storage tank sites located in San Francisco county.

Date of Government Version: 11/29/2010
Date Data Arrived at EDR: 03/10/2011
Date Made Active in Reports: 03/15/2011
Number of Days to Update: 5

Source: Department of Public Health
Telephone: 415-252-3920
Last EDR Contact: 02/11/2013
Next Scheduled EDR Contact: 05/27/2013
Data Release Frequency: Quarterly

SAN JOAQUIN COUNTY:

San Joaquin Co. UST
A listing of underground storage tank locations in San Joaquin county.

Date of Government Version: 12/18/2012
Date Data Arrived at EDR: 12/21/2012
Date Made Active in Reports: 01/30/2013
Number of Days to Update: 40
Source: Environmental Health Department
Telephone: N/A
Last EDR Contact: 01/22/2013
Next Scheduled EDR Contact: 04/08/2013
Data Release Frequency: Semi-Annually

SAN LUIS OBISPO COUNTY:

CUPA Facility List
Cupa Facility List.

Date of Government Version: 11/26/2012
Date Data Arrived at EDR: 11/26/2012
Date Made Active in Reports: 01/17/2013
Number of Days to Update: 52
Source: San Luis Obispo County Public Health Department
Telephone: 805-781-5596
Last EDR Contact: 02/25/2013
Next Scheduled EDR Contact: 06/10/2013
Data Release Frequency: Varies

SAN MATEO COUNTY:

Business Inventory
List includes Hazardous Materials Business Plan, hazardous waste generators, and underground storage tanks.

Date of Government Version: 01/02/2013
Date Data Arrived at EDR: 01/03/2013
Date Made Active in Reports: 02/22/2013
Number of Days to Update: 50
Source: San Mateo County Environmental Health Services Division
Telephone: 650-363-1921
Last EDR Contact: 12/12/2012
Next Scheduled EDR Contact: 04/01/2013
Data Release Frequency: Annually

Fuel Leak List
A listing of leaking underground storage tank sites located in San Mateo county.

Date of Government Version: 12/12/2012
Date Data Arrived at EDR: 12/17/2012
Date Made Active in Reports: 01/22/2013
Number of Days to Update: 36
Source: San Mateo County Environmental Health Services Division
Telephone: 650-363-1921
Last EDR Contact: 12/12/2012
Next Scheduled EDR Contact: 04/01/2013
Data Release Frequency: Semi-Annually

SANTA BARBARA COUNTY:

CUPA Facility Listing
CUPA Program Listing from the Environmental Health Services division.

Date of Government Version: 09/08/2011
Date Data Arrived at EDR: 09/09/2011
Date Made Active in Reports: 10/07/2011
Number of Days to Update: 28
Source: Santa Barbara County Public Health Department
Telephone: 805-686-8167
Last EDR Contact: 02/25/2013
Next Scheduled EDR Contact: 06/10/2013
Data Release Frequency: Varies

SANTA CLARA COUNTY:

Cupa Facility List
Cupa facility list

Date of Government Version: 01/08/2013
Date Data Arrived at EDR: 01/10/2013
Date Made Active in Reports: 02/08/2013
Number of Days to Update: 29

Source: Department of Environmental Health
Telephone: 408-918-1973
Last EDR Contact: 01/08/2013
Next Scheduled EDR Contact: 03/18/2013
Data Release Frequency: Varies

HIST LUST - Fuel Leak Site Activity Report
A listing of open and closed leaking underground storage tanks. This listing is no longer updated by the county. Leaking underground storage tanks are now handled by the Department of Environmental Health.

Date of Government Version: 03/29/2005
Date Data Arrived at EDR: 03/30/2005
Date Made Active in Reports: 04/21/2005
Number of Days to Update: 22

Source: Santa Clara Valley Water District
Telephone: 408-265-2600
Last EDR Contact: 03/23/2009
Next Scheduled EDR Contact: 06/22/2009
Data Release Frequency: No Update Planned

LOP Listing
A listing of leaking underground storage tanks located in Santa Clara county.

Date of Government Version: 12/03/2012
Date Data Arrived at EDR: 12/05/2012
Date Made Active in Reports: 01/15/2013
Number of Days to Update: 41

Source: Department of Environmental Health
Telephone: 408-918-3417
Last EDR Contact: 12/03/2012
Next Scheduled EDR Contact: 03/18/2013
Data Release Frequency: Annually

Hazardous Material Facilities
Hazardous material facilities, including underground storage tank sites.

Date of Government Version: 11/13/2012
Date Data Arrived at EDR: 11/14/2012
Date Made Active in Reports: 12/03/2012
Number of Days to Update: 19

Source: City of San Jose Fire Department
Telephone: 408-535-7694
Last EDR Contact: 02/11/2013
Next Scheduled EDR Contact: 05/27/2013
Data Release Frequency: Annually

SANTA CRUZ COUNTY:

CUPA Facility List
CUPA facility listing.

Date of Government Version: 11/29/2012
Date Data Arrived at EDR: 11/30/2012
Date Made Active in Reports: 01/15/2013
Number of Days to Update: 46

Source: Santa Cruz County Environmental Health
Telephone: 831-464-2761
Last EDR Contact: 02/25/2013
Next Scheduled EDR Contact: 06/10/2013
Data Release Frequency: Varies

SHASTA COUNTY:

CUPA Facility List
Cupa Facility List.

Date of Government Version: 11/27/2012
Date Data Arrived at EDR: 11/28/2012
Date Made Active in Reports: 01/17/2013
Number of Days to Update: 50

Source: Shasta County Department of Resource Management
Telephone: 530-225-5789
Last EDR Contact: 02/25/2013
Next Scheduled EDR Contact: 06/10/2013
Data Release Frequency: Varies

SOLANO COUNTY:

Leaking Underground Storage Tanks
A listing of leaking underground storage tank sites located in Solano county.

Date of Government Version: 12/12/2012
Date Data Arrived at EDR: 12/17/2012
Date Made Active in Reports: 01/22/2013
Number of Days to Update: 36
Source: Solano County Department of Environmental Management
Telephone: 707-784-6770
Last EDR Contact: 12/12/2012
Next Scheduled EDR Contact: 04/01/2013
Data Release Frequency: Quarterly

Underground Storage Tanks
Underground storage tank sites located in Solano county.

Date of Government Version: 12/12/2012
Date Data Arrived at EDR: 12/17/2012
Date Made Active in Reports: 01/25/2013
Number of Days to Update: 39
Source: Solano County Department of Environmental Management
Telephone: 707-784-6770
Last EDR Contact: 12/12/2012
Next Scheduled EDR Contact: 04/01/2013
Data Release Frequency: Quarterly

SONOMA COUNTY:

Leaking Underground Storage Tank Sites
A listing of leaking underground storage tank sites located in Sonoma county.

Date of Government Version: 01/02/2013
Date Data Arrived at EDR: 01/02/2013
Date Made Active in Reports: 01/25/2013
Number of Days to Update: 23
Source: Department of Health Services
Telephone: 707-565-6565
Last EDR Contact: 12/28/2012
Next Scheduled EDR Contact: 04/15/2013
Data Release Frequency: Quarterly

SUTTER COUNTY:

Underground Storage Tanks
Underground storage tank sites located in Sutter county.

Date of Government Version: 12/10/2012
Date Data Arrived at EDR: 12/11/2012
Date Made Active in Reports: 01/15/2013
Number of Days to Update: 35
Source: Sutter County Department of Agriculture
Telephone: 530-822-7500
Last EDR Contact: 12/10/2012
Next Scheduled EDR Contact: 03/25/2013
Data Release Frequency: Semi-Annually

VENTURA COUNTY:

Business Plan, Hazardous Waste Producers, and Operating Underground Tanks
The BWT list indicates by site address whether the Environmental Health Division has Business Plan (B), Waste Producer (W), and/or Underground Tank (T) information.

Date of Government Version: 03/30/2012
Date Data Arrived at EDR: 05/25/2012
Date Made Active in Reports: 07/06/2012
Number of Days to Update: 42
Source: Ventura County Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 02/21/2013
Next Scheduled EDR Contact: 06/03/2013
Data Release Frequency: Quarterly

Inventory of Illegal Abandoned and Inactive Sites
Ventura County Inventory of Closed, Illegal Abandoned, and Inactive Sites.

Date of Government Version: 12/01/2011
Date Data Arrived at EDR: 12/01/2011
Date Made Active in Reports: 01/19/2012
Number of Days to Update: 49
Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 01/07/2013
Next Scheduled EDR Contact: 04/22/2013
Data Release Frequency: Annually

Listing of Underground Tank Cleanup Sites
Ventura County Underground Storage Tank Cleanup Sites (LUST).

Date of Government Version: 05/29/2008
Date Data Arrived at EDR: 06/24/2008
Date Made Active in Reports: 07/31/2008
Number of Days to Update: 37
Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 02/18/2013
Next Scheduled EDR Contact: 06/03/2013
Data Release Frequency: Quarterly

Medical Waste Program List
To protect public health and safety and the environment from potential exposure to disease causing agents, the Environmental Health Division Medical Waste Program regulates the generation, handling, storage, treatment and disposal of medical waste throughout the County.

Date of Government Version: 10/29/2012
Date Data Arrived at EDR: 11/06/2012
Date Made Active in Reports: 12/03/2012
Number of Days to Update: 27
Source: Ventura County Resource Management Agency
Telephone: 805-654-2813
Last EDR Contact: 01/29/2013
Next Scheduled EDR Contact: 05/13/2013
Data Release Frequency: Quarterly

Underground Tank Closed Sites List
Ventura County Operating Underground Storage Tank Sites (UST)/Underground Tank Closed Sites List.

Date of Government Version: 12/04/2012
Date Data Arrived at EDR: 12/20/2012
Date Made Active in Reports: 01/25/2013
Number of Days to Update: 36
Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 12/17/2012
Next Scheduled EDR Contact: 04/01/2013
Data Release Frequency: Quarterly

YOLO COUNTY:

Underground Storage Tank Comprehensive Facility Report
Underground storage tank sites located in Yolo county.

Date of Government Version: 12/19/2012
Date Data Arrived at EDR: 12/28/2012
Date Made Active in Reports: 01/30/2013
Number of Days to Update: 33
Source: Yolo County Department of Health
Telephone: 530-666-8646
Last EDR Contact: 12/18/2012
Next Scheduled EDR Contact: 04/08/2013
Data Release Frequency: Annually

YUBA COUNTY:

CUPA Facility List
CUPA facility listing for Yuba County.

Date of Government Version: 08/16/2012
Date Data Arrived at EDR: 08/16/2012
Date Made Active in Reports: 10/03/2012
Number of Days to Update: 48
Source: Yuba County Environmental Health Department
Telephone: 530-749-7523
Last EDR Contact: 02/18/2013
Next Scheduled EDR Contact: 05/20/2013
Data Release Frequency: Varies

OTHER DATABASE(S)

Depending on the geographic area covered by this report, the data provided in these specialty databases may or may not be complete. For example, the existence of wetlands information data in a specific report does not mean that all wetlands in the area covered by the report are included. Moreover, the absence of any reported wetlands information does not necessarily mean that wetlands do not exist in the area covered by the report.

CT MANIFEST: Hazardous Waste Manifest Data

Facility and manifest data. Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a tsd facility.

Date of Government Version: 11/19/2012
Date Data Arrived at EDR: 11/19/2012
Date Made Active in Reports: 01/03/2013
Number of Days to Update: 45

Source: Department of Energy & Environmental Protection
Telephone: 860-424-3375
Last EDR Contact: 02/18/2013
Next Scheduled EDR Contact: 06/03/2013
Data Release Frequency: Annually

NJ MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2011
Date Data Arrived at EDR: 07/19/2012
Date Made Active in Reports: 08/28/2012
Number of Days to Update: 40

Source: Department of Environmental Protection
Telephone: N/A
Last EDR Contact: 01/15/2013
Next Scheduled EDR Contact: 04/29/2013
Data Release Frequency: Annually

NY MANIFEST: Facility and Manifest Data

Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a TSD facility.

Date of Government Version: 11/01/2012
Date Data Arrived at EDR: 11/07/2012
Date Made Active in Reports: 12/11/2012
Number of Days to Update: 34

Source: Department of Environmental Conservation
Telephone: 518-402-8651
Last EDR Contact: 02/07/2013
Next Scheduled EDR Contact: 05/20/2013
Data Release Frequency: Annually

PA MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2011
Date Data Arrived at EDR: 07/23/2012
Date Made Active in Reports: 09/18/2012
Number of Days to Update: 57

Source: Department of Environmental Protection
Telephone: 717-783-8990
Last EDR Contact: 01/21/2013
Next Scheduled EDR Contact: 05/06/2013
Data Release Frequency: Annually

RI MANIFEST: Manifest information

Hazardous waste manifest information

Date of Government Version: 12/31/2011
Date Data Arrived at EDR: 06/22/2012
Date Made Active in Reports: 07/31/2012
Number of Days to Update: 39

Source: Department of Environmental Management
Telephone: 401-222-2797
Last EDR Contact: 02/25/2013
Next Scheduled EDR Contact: 06/10/2013
Data Release Frequency: Annually

WI MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2011
Date Data Arrived at EDR: 07/19/2012
Date Made Active in Reports: 09/27/2012
Number of Days to Update: 70

Source: Department of Natural Resources
Telephone: N/A
Last EDR Contact: 12/13/2012
Next Scheduled EDR Contact: 04/01/2013
Data Release Frequency: Annually

Oil/Gas Pipelines: This data was obtained by EDR from the USGS in 1994. It is referred to by USGS as GeoData Digital Line Graphs from 1:100,000-Scale Maps. It was extracted from the transportation category including some oil, but primarily gas pipelines.

Electric Power Transmission Line Data

Source: Rextag Strategies Corp.
Telephone: (281) 769-2247
U.S. Electric Transmission and Power Plants Systems Digital GIS Data

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Sensitive Receptors: There are individuals deemed sensitive receptors due to their fragile immune systems and special sensitivity to environmental discharges. These sensitive receptors typically include the elderly, the sick, and children. While the location of all sensitive receptors cannot be determined, EDR indicates those buildings and facilities - schools, daycares, hospitals, medical centers, and nursing homes - where individuals who are sensitive receptors are likely to be located.

AHA Hospitals:
Source: American Hospital Association, Inc.
Telephone: 312-280-5991
The database includes a listing of hospitals based on the American Hospital Association's annual survey of hospitals.

Medical Centers: Provider of Services Listing
Source: Centers for Medicare & Medicaid Services
Telephone: 410-786-3000
A listing of hospitals with Medicare provider number, produced by Centers of Medicare & Medicaid Services, a federal agency within the U.S. Department of Health and Human Services.

Nursing Homes
Source: National Institutes of Health
Telephone: 301-594-6248
Information on Medicare and Medicaid certified nursing homes in the United States.

Public Schools
Source: National Center for Education Statistics
Telephone: 202-502-7300
The National Center for Education Statistics' primary database on elementary and secondary public education in the United States. It is a comprehensive, annual, national statistical database of all public elementary and secondary schools and school districts, which contains data that are comparable across all states.

Private Schools
Source: National Center for Education Statistics
Telephone: 202-502-7300
The National Center for Education Statistics' primary database on private school locations in the United States.

Daycare Centers: Licensed Facilities
Source: Department of Social Services
Telephone: 916-657-4041

Flood Zone Data: This data, available in select counties across the country, was obtained by EDR in 2003 & 2011 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002 and 2005 from the U.S. Fish and Wildlife Service.

STREET AND ADDRESS INFORMATION

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ERNS hyperlink report #1

16900 WEST SCHULTE
TRACY, CA 95376

Inquiry Number:
March 26, 2013

EDR Site Report™

EDR® Environmental Data Resources Inc

440 Wheelers Farms Road
Milford, CT 06461
Toll Free: 800.352.0050
www.edrnet.com

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All available detailed information from databases where sites are identified.

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Name, source, update dates, contact phone number and description of each of the databases for this report.

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SECTION 1: FACILITY SUMMARY

FACILITY AREA	FACILITY 1 16900 WEST SCHULTE TRACY, CA 95376 EDR ID #98425359
WASTE MANAGEMENT Facility generates hazardous waste (RCRA)	NO
Facility treats, stores, or disposes of hazardous waste on-site (RCRA/TSDF)	NO
Facility has received Notices of Violations (RCRA/VIOL)	NO
Facility has been subject to RCRA administrative actions (RAATS)	NO
Facility has been subject to corrective actions (CORRACTS)	NO
Facility handles PCBs (PADS)	NO
Facility uses radioactive materials (MLTS)	NO
Facility manages registered aboveground storage tanks (AST)	NO
Facility manages registered underground storage tanks (UST)	NO
Facility has reported leaking underground storage tank incidents (LUST)	NO
Facility has reported emergency releases to the soil (ERNS)	**YES - p4**
Facility has reported hazardous material incidents to DOT (HMIRS)	NO
WASTE DISPOSAL Facility is a Superfund Site (NPL)	NO
Facility has a known or suspect abandoned, inactive or uncontrolled hazardous waste site (CERCLIS)	NO
Facility has a reported Superfund Lien on it (LIENS)	NO
Facility is listed as a state hazardous waste site (SHWS)	NO
Facility has disposed of solid waste on-site (SWF/LF)	NO
MULTIMEDIA Facility uses toxic chemicals and has notified EPA under SARA Title III, Section 313 (TRIS)	NO
Facility produces pesticides and has notified EPA under Section 7 of FIFRA (SSTS)	NO
Facility manufactures or imports toxic chemicals on the TSCA list (TSCA)	NO
Facility has inspections under FIFRA, TSCA or EPCRA (FTTS)	NO
Facility is listed in EPA's index system (FINDS)	NO
Facility is listed in a county/local unique database (LOCAL)	NO
POTENTIAL SUPERFUND LIABILITY Facility has a list of potentially responsible parties PRP	NO
TOTAL (YES)	1

SECTION 2: FACILITY DETAIL REPORTS

WASTE MANAGEMENT

Facility has reported emergency releases to the soil

DATABASE: Emergency Response Notification System (ERNS)

16900 WEST SCHULTE
TRACY, CA 95376
EDR ID #98425359

ERNS:

Site ID:	98425359
Source:	Not reported
Site location:	16900 WEST SCHULTE TRACY, CA 95376
County:	SAN JOAQUIN
Report number:	425359
Report date:	02/20/1998
Report time:	15:18
Spill date:	02/19/1998
Spill time:	16:30
Spiller:	True
Confidential:	False
Medium affected:	Air
Dist. from city:	Not reported
Heading:	Not reported
Field ID:	Not reported
Block ID:	Not reported
Vehicle ID:	Not reported
Mile post:	Not reported
Transport mode:	FIXED
Damage:	False
Damage $ amount:	0.
Evacuation:	False
Number of injured:	Not reported
Number of fatalities:	Not reported
Notes:	ATMOSPHERE
Agency notified:	Not reported
Notified by caller:	NONE
Other agency:	Not reported
EPA time:	15:26
Other time:	:
C.G. unit:	Not reported
C.G. time:	:
Duty officer:	CDS
Jurisdiction:	Not reported
Reportable:	Not reported
Cause:	Not reported
Tank capacity:	Not reported
Facility capacity:	Not reported
Cont rel. type:	Not reported
Comments:	SECURED AND REPAIRED GASKET
Comments:	OIL COELESSOR / GASKET BLEW
Comments:	16900 WEST SCHULTE
Comments:	NO ADDITIONAL INFORMATION WILL NOTIFY: EPA
Discharger:	SUMMIT LOGISTICS
Discharger address:	16900 WEST SCHULTE TRACY, CA 95376
Discharger phone:	209-833-4937
Discharger type:	PE
Spilled material:	AMMONIA, ANHYDROUS
Spill total qty:	00000040.00 LBS
In water:	0000000.00 NON
DOT #:	Not reported
CAS:	Not reported
Quantity (lbs):	0000000040.00

SECTION 3: DATABASES AND UPDATE DATES

To maintain currency of the following federal, state and local databases, EDR contacts the appropriate government agency on a monthly or quarterly basis as required.

Elapsed ASTM days: Provides confirmation that this report meets or exceeds the 90-day updating requirement of the ASTM standard.

DATABASES FOUND IN THIS REPORT

ERNS: Emergency Response Notification System
Source: National Response Center, United States Coast Guard
Telephone: 202-267-2180
Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous substances.

Date of Government Version: 12/31/2012
Database Release Frequency: Annually

Date of Last EDR Contact: 01/17/2013
Date of Next Scheduled Update: 04/15/2013

ERNS hyperlink report #2

16900 WEST SCHULTE ROAD
TRACY, CA 95376

Inquiry Number:
March 26, 2013

EDR Site Report™

EDR® Environmental Data Resources Inc

440 Wheelers Farms Road
Milford, CT 06461
Toll Free: 800.352.0050
www.edrnet.com

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SECTION 1: FACILITY SUMMARY

FACILITY AREA	FACILITY 1 16900 WEST SCHULTE ROAD TRACY, CA 95376 EDR ID #99629949
WASTE MANAGEMENT Facility generates hazardous waste (RCRA)	NO
Facility treats, stores, or disposes of hazardous waste on-site (RCRA/TSDF)	NO
Facility has received Notices of Violations (RCRA/VIOL)	NO
Facility has been subject to RCRA administrative actions (RAATS)	NO
Facility has been subject to corrective actions (CORRACTS)	NO
Facility handles PCBs (PADS)	NO
Facility uses radioactive materials (MLTS)	NO
Facility manages registered aboveground storage tanks (AST)	NO
Facility manages registered underground storage tanks (UST)	NO
Facility has reported leaking underground storage tank incidents (LUST)	NO
Facility has reported emergency releases to the soil (ERNS)	**YES - p4**
Facility has reported hazardous material incidents to DOT (HMIRS)	NO
WASTE DISPOSAL Facility is a Superfund Site (NPL)	NO
Facility has a known or suspect abandoned, inactive or uncontrolled hazardous waste site (CERCLIS)	NO
Facility has a reported Superfund Lien on it (LIENS)	NO
Facility is listed as a state hazardous waste site (SHWS)	NO
Facility has disposed of solid waste on-site (SWF/LF)	NO
MULTIMEDIA Facility uses toxic chemicals and has notified EPA under SARA Title III, Section 313 (TRIS)	NO
Facility produces pesticides and has notified EPA under Section 7 of FIFRA (SSTS)	NO
Facility manufactures or imports toxic chemicals on the TSCA list (TSCA)	NO
Facility has inspections under FIFRA, TSCA or EPCRA (FTTS)	NO
Facility is listed in EPA's index system (FINDS)	NO
Facility is listed in a county/local unique database (LOCAL)	NO
POTENTIAL SUPERFUND LIABILITY Facility has a list of potentially responsible parties PRP	NO
TOTAL (YES)	1

SECTION 2: FACILITY DETAIL REPORTS

WASTE MANAGEMENT

Facility has reported emergency releases to the soil

DATABASE: Emergency Response Notification System (ERNS)

16900 WEST SCHULTE ROAD
TRACY, CA 95376
EDR ID #99629949

ERNS:

Site ID:	99629949
Release source:	Not reported
Site location:	16900 WEST SCHULTE ROAD TRACY, CA 95376
County:	SAN JOAQUIN
EPA region:	09
NRC report number:	490587
EPA report number:	Not reported
Spill date:	07/08/1999
Spill time:	00:01
Medium affected:	Air
Discharger:	SUMMIT LOGISTICS INC
Discharger address:	16900 WEST SCHULTE ROAD TRACY, CA 95376
Discharger county:	Not reported
Discharger DUNS:	Not reported
Discharger affiliation:	PE
EPA notified:	False
Number of injured:	0
Number of fatalities:	0
Number of evacuees:	0
Damage:	False
Damage $ amount:	0.00
Initial report:	True
Updated report:	True
Notes:	ATMOSPHERE
Cause code:	Not reported
Spill cause:	Not reported
Type of agency:	Not reported
Responding agency:	Not reported
Spilled material:	AMMONIA, ANHYDROUS
Spill total qty:	0.00 UNK
In water:	0.00 NON
DOT #:	Not reported
CAS:	Not reported
Quantity (lbs):	0.00
Description:	MAINTENANCE SHUT DOWN OF AMMONIA REFRIGERATION SYSTEM / HAD TO REMOVE A LINE
Action:	TRACY FIRE DEPT RESPONDED DUE TO ODORS / FIRE DEPT TOOK NO ACTIONS OES MEASURED AMMONIA LEVELS
Comments:	NO OFFSITE IMPACT REPORTED / EMPLOYEES VACATED THE BUILDING AS A PRECAUTIONARY MEASURE / WX: CLEAR WIND: 5-10MPH W TEMP: 80F

SECTION 3: DATABASES AND UPDATE DATES

To maintain currency of the following federal, state and local databases, EDR contacts the appropriate government agency on a monthly or quarterly basis as required.

Elapsed ASTM days: Provides confirmation that this report meets or exceeds the 90-day updating requirement of the ASTM standard.

DATABASES FOUND IN THIS REPORT

ERNS: Emergency Response Notification System
Source: National Response Center, United States Coast Guard
Telephone: 202-267-2180
Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous substances.

Date of Government Version: 12/31/2012
Database Release Frequency: Annually

Date of Last EDR Contact: 01/17/2013
Date of Next Scheduled Update: 04/15/2013

EDR hyperlink report #3

25705 PATTERSON PASS RD
TRACY, CA

Inquiry Number:
March 26, 2013

EDR Site Report™

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SECTION 1: FACILITY SUMMARY

FACILITY AREA	FACILITY 1 25705 PATTERSON PASS RD TRACY, CA EDR ID #2008886241
WASTE MANAGEMENT Facility generates hazardous waste (RCRA)	NO
Facility treats, stores, or disposes of hazardous waste on-site (RCRA/TSDF)	NO
Facility has received Notices of Violations (RCRA/VIOL)	NO
Facility has been subject to RCRA administrative actions (RAATS)	NO
Facility has been subject to corrective actions (CORRACTS)	NO
Facility handles PCBs (PADS)	NO
Facility uses radioactive materials (MLTS)	NO
Facility manages registered aboveground storage tanks (AST)	NO
Facility manages registered underground storage tanks (UST)	NO
Facility has reported leaking underground storage tank incidents (LUST)	NO
Facility has reported emergency releases to the soil (ERNS)	**YES - p4**
Facility has reported hazardous material incidents to DOT (HMIRS)	NO
WASTE DISPOSAL Facility is a Superfund Site (NPL)	NO
Facility has a known or suspect abandoned, inactive or uncontrolled hazardous waste site (CERCLIS)	NO
Facility has a reported Superfund Lien on it (LIENS)	NO
Facility is listed as a state hazardous waste site (SHWS)	NO
Facility has disposed of solid waste on-site (SWF/LF)	NO
MULTIMEDIA Facility uses toxic chemicals and has notified EPA under SARA Title III, Section 313 (TRIS)	NO
Facility produces pesticides and has notified EPA under Section 7 of FIFRA (SSTS)	NO
Facility manufactures or imports toxic chemicals on the TSCA list (TSCA)	NO
Facility has inspections under FIFRA, TSCA or EPCRA (FTTS)	NO
Facility is listed in EPA's index system (FINDS)	NO
Facility is listed in a county/local unique database (LOCAL)	NO
POTENTIAL SUPERFUND LIABILITY Facility has a list of potentially responsible parties PRP	NO
TOTAL (YES)	1

SECTION 2: FACILITY DETAIL REPORTS

WASTE MANAGEMENT

Facility has reported emergency releases to the soil

DATABASE: Emergency Response Notification System (ERNS)

25705 PATTERSON PASS RD
TRACY, CA
EDR ID #2008886241

ERNS:

Site ID:	2008886241
Incident cause:	EQUIPMENT FAILURE
Incident type:	FIXED
Incident date:	10/5/2008 10:15:00 AM
Incident TG:	OCCURRED
Inc location:	THERMAL UNIT NUMBER 1
Incident address:	25705 PATTERSON PASS RD TRACY, CA
Distance from city:	Not reported
Distance Unit:	Not reported
Lat/Long:	/
Lat/Long quad:	/
Incident date:	10/5/2008 10:15:00 AM
Township/section/range:	//
Fire involved:	No
Fire extinguished:	Unknown
Passengers Transferred:	NO
Any evacuees:	No
Number of evacs:	Not reported
Who evacuated:	Not reported
Radius of evacuation:	Not reported
Any injuries:	No
Number injured:	Not reported
Number hospitalized:	Not reported
Any fatalities:	No
Any damage:	No
Damage amount:	Not reported
Air corridor desc:	Not reported
Air corridor closed:	Not reported
Water description:	Not reported
Water closed:	No
Water closed time:	Not reported
Road closed:	No
Road closed desc:	Not reported
Road closed time:	Not reported
Closure direction:	Not reported
Major artery:	No
Track closed:	No
Track closed time:	Not reported
Tr. close direction:	Not reported
Track description:	Not reported
Media interest:	NONE
Medium affected:	LAND
Additional medium:	CONCRETE AND DIRT
Body of water:	Not reported
Tributary:	Not reported
Release secured:	Yes
Est. duration of rel.:	Not reported
Release rate:	Not reported
Rel. rate units:	Not reported
Rel. per units:	Not reported
Remedial action:	CONTAINED MATERIAL. CONTRACTOR HIRED. REPAIRS CONDUCTED.
Agency on scene:	NONE
Other agency:	Not reported
State agency notified:	OES
State report #:	0871990
Fed. agency notified:	NONE
Weather:	SUNNY
Air temp:	70
Wind speed:	Not reported
Wind speed unit:	Not reported
Wind direction:	Not reported
Water contaminated:	Unknown
Sheen size:	Not reported
Sheen size units:	Not reported
Sheen color:	Not reported
Sheen odor:	Not reported
Sheen length:	Not reported

SECTION 2: FACILITY DETAIL REPORTS

...Continued...

Sheen len. units:	Not reported
Sheen width:	Not reported
Sheen wid. units:	Not reported
Sheen direction:	Not reported
Wave condit:	Not reported
Current speed:	Not reported
Current speed units:	Not reported
Current direction:	Not reported
Water temp:	Not reported
Employees injured:	Not reported
Employee fatalities:	Not reported
Passengers injured:	Not reported
Passenger fatalities:	Not reported
Occupant fatalities:	Not reported
Community impact:	Not reported
Offshore:	No
Addition info:	CALLER HAD NO ADDITIONAL INFORMATION.
Incident description:	CALLER IS REPORTING A DISCHARGE OF LESS THAN TWO BARRELS OF CRUDE OIL FROM A THERMAL RELEASE ON UNIT 1 INTO SECONDARY CONTAINMENT DUE TO A MALFUNCTION.
Aircraft type:	Not reported
Aircraft model:	Not reported
Aircraft ID:	Not reported
Aircraft fuel cap:	Not reported
Capacity units:	Not reported
Fuel onboard:	Not reported
Fuel units:	Not reported
Spot number:	Not reported
AC hanger:	Not reported
AC runway:	Not reported
Mile marker:	Not reported
Building ID:	Not reported
Type fixed obj:	OTHER
Power gen facility:	Unknown
Generation capacity:	Not reported
Fuel type:	Not reported
NPDES:	Not reported
NPDES compliance:	Unknown
Pipe type:	Not reported
DOT regulated:	Unknown
Pipe above:	ABOVE
Exposed underwtr:	No
Pipe covered:	Unknown
Grade crossing:	Unknown
Location subdivision:	Not reported
Railroad milepost:	Not reported
Vehicle type:	Not reported
Crossing device:	Not reported
Device operational:	Yes
DOT crossing #:	Not reported
Brakes failed:	Unknown
Tank description:	Not reported
Above ground tank:	ABOVE
Tank regulated:	Unknown
Tank ID:	Not reported
Tank regulated by:	Not reported
Tank capacity:	Not reported
Capacity units:	Not reported
Actual amount:	Not reported
Amount units:	Not reported
Transportable container:	Unknown
Platform rig name:	Not reported
Platform letter:	Not reported
Local area ID:	Not reported
Local block ID:	Not reported
OCSG number:	Not reported
State lease #:	Not reported
Pier dock #:	Not reported
Berth slip #:	Not reported
Initial continuous rel #:	Not reported
Cont. rel permit:	Not reported
Allision:	Unknown
Structure type:	Not reported
Structure:	Not reported
Structure operator:	U
Air bag deployed:	Unknown
Date time normal srvc:	Not reported
Service disruption time:	Not reported
Transit bus flag:	Not reported
Begin date:	Not reported
End date:	Not reported
Change date:	Not reported
Passenger Delay:	XXX
Passenger Handling:	Not reported
Passenger Route:	XXX

SECTION 2: FACILITY DETAIL REPORTS

...Continued...

Railroad Hotline:	Not reported
Call received date:	10/5/2008 2:37:58 PM
Complete date:	10/5/2008 2:43:10 PM
Call Type:	INC
Responsible company:	SHELL PIPELINE
RC organization type:	PRIVATE ENTERPRISE
	CARSON, CA 91801
On behalf:	No
Source:	TELEPHONE
Spilled material name:	OIL: CRUDE
Material CHRIS code:	OIL
Mat. CAS number:	000000-00-0
Material UN #:	Not reported
Amount of spilled mat.:	2
Mat. amount unit:	BARREL(S)
Mat. reached water:	NO
Amount in water:	Not reported
Amount in water units:	Not reported

ERNS hyperlink report #4

25705 WEST PATTERSON PASS RD
TRACY, CA

Inquiry Number:
March 26, 2013

EDR Site Report™

EDR® Environmental Data Resources Inc

440 Wheelers Farms Road
Milford, CT 06461
Toll Free: 800.352.0050
www.edrnet.com

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All available detailed information from databases where sites are identified.

Section 3: Databases and Update Information. ..... **Page 7**

Name, source, update dates, contact phone number and description of each of the databases for this report.

Thank you for your business.
Please contact EDR at 1-800-352-0050
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SECTION 1: FACILITY SUMMARY

FACILITY AREA	FACILITY 1 25705 WEST PATTERSON PASS RD TRACY, CA EDR ID #2001558061
WASTE MANAGEMENT Facility generates hazardous waste (RCRA)	NO
Facility treats, stores, or disposes of hazardous waste on-site (RCRA/TSDF)	NO
Facility has received Notices of Violations (RCRA/VIOL)	NO
Facility has been subject to RCRA administrative actions (RAATS)	NO
Facility has been subject to corrective actions (CORRACTS)	NO
Facility handles PCBs (PADS)	NO
Facility uses radioactive materials (MLTS)	NO
Facility manages registered aboveground storage tanks (AST)	NO
Facility manages registered underground storage tanks (UST)	NO
Facility has reported leaking underground storage tank incidents (LUST)	NO
Facility has reported emergency releases to the soil (ERNS)	**YES - p4**
Facility has reported hazardous material incidents to DOT (HMIRS)	NO
WASTE DISPOSAL Facility is a Superfund Site (NPL)	NO
Facility has a known or suspect abandoned, inactive or uncontrolled hazardous waste site (CERCLIS)	NO
Facility has a reported Superfund Lien on it (LIENS)	NO
Facility is listed as a state hazardous waste site (SHWS)	NO
Facility has disposed of solid waste on-site (SWF/LF)	NO
MULTIMEDIA Facility uses toxic chemicals and has notified EPA under SARA Title III, Section 313 (TRIS)	NO
Facility produces pesticides and has notified EPA under Section 7 of FIFRA (SSTS)	NO
Facility manufactures or imports toxic chemicals on the TSCA list (TSCA)	NO
Facility has inspections under FIFRA, TSCA or EPCRA (FTTS)	NO
Facility is listed in EPA's index system (FINDS)	NO
Facility is listed in a county/local unique database (LOCAL)	NO
POTENTIAL SUPERFUND LIABILITY Facility has a list of potentially responsible parties PRP	NO
TOTAL (YES)	1

SECTION 2: FACILITY DETAIL REPORTS

WASTE MANAGEMENT

Facility has reported emergency releases to the soil

DATABASE: Emergency Response Notification System (ERNS)

25705 WEST PATTERSON PASS RD
TRACY, CA
EDR ID #2001558061

ERNS:

Site ID:	2001558061
Incident cause:	UNKNOWN
Incident type:	PIPELINE
Incident date:	2/27/2001 6:18:00 PM
Incident TG:	DISCOVERED
Inc location:	PUMP STATION ON THE COMPANY'S NORTH 20 INCH PIPELINE.
Incident address:	25705 WEST PATTERSON PASS RD TRACY, CA
Distance from city:	Not reported
Distance Unit:	Not reported
Lat/Long:	/
Lat/Long quad:	/
Incident date:	2/27/2001 6:18:00 PM
Township/section/range:	//
Fire involved:	No
Fire extinguished:	Unknown
Passengers Transferred:	UNK
Any evacuees:	No
Number of evacs:	Not reported
Who evacuated:	Not reported
Radius of evacuation:	Not reported
Any injuries:	No
Number injured:	Not reported
Number hospitalized:	Not reported
Any fatalities:	No
Any damage:	No
Damage amount:	Not reported
Air corridor desc:	Not reported
Air corridor closed:	Not reported
Water description:	Not reported
Water closed:	No
Water closed time:	Not reported
Road closed:	No
Road closed desc:	Not reported
Road closed time:	Not reported
Closure direction:	Not reported
Major artery:	No
Track closed:	No
Track closed time:	Not reported
Tr. close direction:	Not reported
Track description:	Not reported
Media interest:	HIGH
Medium affected:	LAND
Additional medium:	SOIL
Body of water:	Not reported
Tributary:	Not reported
Release secured:	Yes
Est. duration of rel.:	Not reported
Release rate:	Not reported
Rel. rate units:	Not reported
Rel. per units:	Not reported
Remedial action:	LOCAL CREW ARRIVED ON SCENE AND CLOSED OFF WHATEVER WAS LEAKING.
Agency on scene:	Not reported
Other agency:	Not reported
State agency notified:	Not reported
State report #:	Not reported
Fed. agency notified:	Not reported
Weather:	UNKNOWN
Air temp:	Not reported
Wind speed:	Not reported
Wind speed unit:	Not reported
Wind direction:	Not reported
Water contaminated:	Unknown
Sheen size:	Not reported
Sheen size units:	Not reported
Sheen color:	Not reported
Sheen odor:	Not reported
Sheen length:	Not reported

SECTION 2: FACILITY DETAIL REPORTS

...Continued...

Sheen len. units:	Not reported
Sheen width:	Not reported
Sheen wid. units:	Not reported
Sheen direction:	Not reported
Wave condit:	Not reported
Current speed:	Not reported
Current speed units:	Not reported
Current direction:	Not reported
Water temp:	Not reported
Employees injured:	Not reported
Employee fatalities:	Not reported
Passengers injured:	Not reported
Passenger fatalities:	Not reported
Occupant fatalities:	Not reported
Community impact:	No
Offshore:	No
Addition info:	THE AMOUNT RELEASED IS AN ESTIMATE BY COMPANY PERSONEL IN TEXAS, RELEASE IS IN CALIFORNIA. THE LOCAL COMPANY OFFICIALS ON SITE WILL RUN DOWN THEIR CONTACT LISTS AS WELL AS COMPANY PERSONEL IN TEXAS.
Incident description:	THE CALLER REPORTS THAT THE CONTROL CENTER RECIEVED A CALL AT 1818 LOCAL TIME (TEXAS) THAT THERE WAS A LEAK AND THE PIPELINE (IN CALIFORNIA) NEEDED TO BE SHUT DOWN. THE COMPANY SHUT DOWN THE PIPELINE.
Aircraft type:	UNKNOWN
Aircraft model:	Not reported
Aircraft ID:	Not reported
Aircraft fuel cap:	Not reported
Capacity units:	Not reported
Fuel onboard:	Not reported
Fuel units:	Not reported
Spot number:	Not reported
AC hanger:	Not reported
AC runway:	Not reported
Mile marker:	Not reported
Building ID:	Not reported
Type fixed obj:	UNKNOWN
Power gen facility:	Unknown
Generation capacity:	Not reported
Fuel type:	Not reported
NPDES:	Not reported
NPDES compliance:	Unknown
Pipe type:	TRANSMISSION
DOT regulated:	Yes
Pipe above:	ABOVE
Exposed underwtr:	No
Pipe covered:	Unknown
Grade crossing:	No
Location subdivision:	Not reported
Railroad milepost:	Not reported
Vehicle type:	Not reported
Crossing device:	Not reported
Device operational:	Yes
DOT crossing #:	Not reported
Brakes failed:	No
Tank description:	Not reported
Above ground tank:	ABOVE
Tank regulated:	Unknown
Tank ID:	Not reported
Tank regulated by:	Not reported
Tank capacity:	Not reported
Capacity units:	Not reported
Actual amount:	Not reported
Amount units:	Not reported
Transportable container:	Unknown
Platform rig name:	Not reported
Platform letter:	Not reported
Local area ID:	Not reported
Local block ID:	Not reported
OCSG number:	Not reported
State lease #:	Not reported
Pier dock #:	Not reported
Berth slip #:	Not reported
Initial continuous rel #:	Not reported
Cont. rel permit:	Not reported
Allision:	No
Structure type:	Not reported
Structure:	Not reported
Structure operator:	U
Air bag deployed:	Not reported
Date time normal srvc:	Not reported
Service disruption time:	Not reported
Transit bus flag:	Not reported
Begin date:	Not reported
End date:	Not reported
Change date:	Not reported

SECTION 2: FACILITY DETAIL REPORTS

...Continued...

Passenger Delay:	XXX
Passenger Handling:	Not reported
Passenger Route:	XXX
Railroad Hotline:	Not reported
Call received date:	2/27/2001 7:58:10 PM
Complete date:	2/27/2001 8:12:21 PM
Call Type:	INC
Responsible company:	EQUILON PIPELINE COMPANY
RC organization type:	PRIVATE ENTERPRISE
	HOUSTON, TX 77252
On behalf:	Yes
Source:	TELEPHONE
Spilled material name:	OIL: CRUDE
Material CHRIS code:	OIL
Mat. CAS number:	000000-00-0
Material UN #:	Not reported
Amount of spilled mat.:	1500
Mat. amount unit:	BARREL(S)
Mat. reached water:	UNKNOWN
Amount in water:	0
Amount in water units:	UNKNOWN AMOUNT

SECTION 3: DATABASES AND UPDATE DATES

To maintain currency of the following federal, state and local databases, EDR contacts the appropriate government agency on a monthly or quarterly basis as required.

Elapsed ASTM days: Provides confirmation that this report meets or exceeds the 90-day updating requirement of the ASTM standard.

DATABASES FOUND IN THIS REPORT

ERNS: Emergency Response Notification System
Source: National Response Center, United States Coast Guard
Telephone: 202-267-2180
Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous substances.

Date of Government Version: 12/31/2012
Database Release Frequency: Annually

Date of Last EDR Contact: 01/17/2013
Date of Next Scheduled Update: 04/15/2013

ERNS hyperlink report #5

25775 S. PATTERSON PASS
TRACY, CA 95376

Inquiry Number:
March 26, 2013

EDR Site Report™

EDR® Environmental Data Resources Inc

440 Wheelers Farms Road
Milford, CT 06461
Toll Free: 800.352.0050
www.edrnet.com

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Name, source, update dates, contact phone number and description of each of the databases for this report.

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SECTION 1: FACILITY SUMMARY

FACILITY AREA	FACILITY 1 25775 S. PATTERSON PASS TRACY, CA 95376 EDR ID #90171246
WASTE MANAGEMENT Facility generates hazardous waste (RCRA)	NO
Facility treats, stores, or disposes of hazardous waste on-site (RCRA/TSDF)	NO
Facility has received Notices of Violations (RCRA/VIOL)	NO
Facility has been subject to RCRA administrative actions (RAATS)	NO
Facility has been subject to corrective actions (CORRACTS)	NO
Facility handles PCBs (PADS)	NO
Facility uses radioactive materials (MLTS)	NO
Facility manages registered aboveground storage tanks (AST)	NO
Facility manages registered underground storage tanks (UST)	NO
Facility has reported leaking underground storage tank incidents (LUST)	NO
Facility has reported emergency releases to the soil (ERNS)	**YES - p4**
Facility has reported hazardous material incidents to DOT (HMIRS)	NO
WASTE DISPOSAL Facility is a Superfund Site (NPL)	NO
Facility has a known or suspect abandoned, inactive or uncontrolled hazardous waste site (CERCLIS)	NO
Facility has a reported Superfund Lien on it (LIENS)	NO
Facility is listed as a state hazardous waste site (SHWS)	NO
Facility has disposed of solid waste on-site (SWF/LF)	NO
MULTIMEDIA Facility uses toxic chemicals and has notified EPA under SARA Title III, Section 313 (TRIS)	NO
Facility produces pesticides and has notified EPA under Section 7 of FIFRA (SSTS)	NO
Facility manufactures or imports toxic chemicals on the TSCA list (TSCA)	NO
Facility has inspections under FIFRA, TSCA or EPCRA (FTTS)	NO
Facility is listed in EPA's index system (FINDS)	NO
Facility is listed in a county/local unique database (LOCAL)	NO
POTENTIAL SUPERFUND LIABILITY Facility has a list of potentially responsible parties PRP	NO
TOTAL (YES)	1

SECTION 2: FACILITY DETAIL REPORTS

WASTE MANAGEMENT

Facility has reported emergency releases to the soil

DATABASE: Emergency Response Notification System (ERNS)

25775 S. PATTERSON PASS
TRACY, CA 95376
EDR ID #90171246

ERNS:

Site ID:	90171246
Site location:	25775 S. PATTERSON PASS TRACY, CA 95376-
County:	SAN JOAQUIN
Report number:	Not reported
EPA region:	09
Spill date:	06/25/1990
Spill time:	15:40
Medium affected:	Land
Damage:	False
Damage $ amount:	0.00
Number of injured:	0
Number of fatalities:	0
Notes:	NONE
Discharger:	ARCO
Discharger address:	P.O. BOX 5811 SAN MATEO, CA 94402-
Discharger county:	SAN MATEO
C.G. Unit:	Not reported
EPA notified:	True
Initial report:	True
Updated report:	True
Spill cause:	Not reported
Spilled material:	GASOLINE CONTAMINATED SOIL
Spill total qty:	0.00 UNK
In water:	0.00
DOT #:	UN1203
CAS:	800661
Quantity (lbs):	0.00
Description:	SERVICE STATION LEAKING STORAGE TANK
Action:	ARCO REMOVING TANK AND EXCAVATING SOIL.
Comments:	Not reported

SECTION 3: DATABASES AND UPDATE DATES

To maintain currency of the following federal, state and local databases, EDR contacts the appropriate government agency on a monthly or quarterly basis as required.

Elapsed ASTM days: Provides confirmation that this report meets or exceeds the 90-day updating requirement of the ASTM standard.

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Source: National Response Center, United States Coast Guard
Telephone: 202-267-2180
Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous substances.

Date of Government Version: 12/31/2012
Database Release Frequency: Annually

Date of Last EDR Contact: 01/17/2013
Date of Next Scheduled Update: 04/15/2013

ERNS hyperlink report #6

14700 W. SCHULTE RD
TRACY, CA 95376

Inquiry Number:
March 26, 2013

EDR Site Report™

EDR® Environmental Data Resources Inc

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SECTION 1: FACILITY SUMMARY

FACILITY AREA	FACILITY 1 14700 W. SCHULTE RD TRACY, CA 95376 EDR ID #92274895
WASTE MANAGEMENT Facility generates hazardous waste (RCRA)	NO
Facility treats, stores, or disposes of hazardous waste on-site (RCRA/TSDF)	NO
Facility has received Notices of Violations (RCRA/VIOL)	NO
Facility has been subject to RCRA administrative actions (RAATS)	NO
Facility has been subject to corrective actions (CORRACTS)	NO
Facility handles PCBs (PADS)	NO
Facility uses radioactive materials (MLTS)	NO
Facility manages registered aboveground storage tanks (AST)	NO
Facility manages registered underground storage tanks (UST)	NO
Facility has reported leaking underground storage tank incidents (LUST)	NO
Facility has reported emergency releases to the soil (ERNS)	**YES - p4**
Facility has reported hazardous material incidents to DOT (HMIRS)	NO
WASTE DISPOSAL Facility is a Superfund Site (NPL)	NO
Facility has a known or suspect abandoned, inactive or uncontrolled hazardous waste site (CERCLIS)	NO
Facility has a reported Superfund Lien on it (LIENS)	NO
Facility is listed as a state hazardous waste site (SHWS)	NO
Facility has disposed of solid waste on-site (SWF/LF)	NO
MULTIMEDIA Facility uses toxic chemicals and has notified EPA under SARA Title III, Section 313 (TRIS)	NO
Facility produces pesticides and has notified EPA under Section 7 of FIFRA (SSTS)	NO
Facility manufactures or imports toxic chemicals on the TSCA list (TSCA)	NO
Facility has inspections under FIFRA, TSCA or EPCRA (FTTS)	NO
Facility is listed in EPA's index system (FINDS)	NO
Facility is listed in a county/local unique database (LOCAL)	NO
POTENTIAL SUPERFUND LIABILITY Facility has a list of potentially responsible parties PRP	NO
TOTAL (YES)	1

SECTION 2: FACILITY DETAIL REPORTS

WASTE MANAGEMENT

Facility has reported emergency releases to the soil

DATABASE: Emergency Response Notification System (ERNS)

14700 W. SCHULTE RD
TRACY, CA 95376
EDR ID #92274895

ERNS:

Site ID:	92274895
Site location:	14700 W. SCHULTE RD TRACY, CA 95376-
County:	SAN JOAQUIN
Report number:	Not reported
EPA region:	09
Spill date:	07/10/1992
Spill time:	09:00
Medium affected:	Land
Damage:	False
Damage $ amount:	0.00
Number of injured:	0
Number of fatalities:	0
Notes:	Not reported
Discharger:	OWENS BROCKWAY
Discharger address:	14700 W. SCHULTE RD TRACY, CA 95376-
Discharger county:	SAN JOAQUIN
C.G. Unit:	Not reported
EPA notified:	True
Initial report:	True
Updated report:	True
Spill cause:	Not reported
Spilled material:	HYDROCHLORIC ACID (33%)
Spill total qty:	200.00 GAL
In water:	0.00 UNK
DOT #:	UN1789
CAS:	764701
Quantity (lbs):	1980.00
Description:	PUMP FAILED,WENT INTO SECONDARY CONTAINMENT POND
Action:	R&H COMPANY WILL DO CLEANUP
Comments:	WORKPAD LOCATED ON TRANSMISSION LINE RIGHT OF WAY WILL NTFY OES

SECTION 3: DATABASES AND UPDATE DATES

To maintain currency of the following federal, state and local databases, EDR contacts the appropriate government agency on a monthly or quarterly basis as required.

Elapsed ASTM days: Provides confirmation that this report meets or exceeds the 90-day updating requirement of the ASTM standard.

DATABASES FOUND IN THIS REPORT

ERNS: Emergency Response Notification System
Source: National Response Center, United States Coast Guard
Telephone: 202-267-2180
Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous substances.

Date of Government Version: 12/31/2012
Database Release Frequency: Annually

Date of Last EDR Contact: 01/17/2013
Date of Next Scheduled Update: 04/15/2013

Appendix D. San Joaquin County Agricultural Commissioner's Office Pesticide Use Records

SAN JOAQUIN COUNTY
AGRICULTURAL COMMISSIONER'S OFFICE
2101 E EARHART AVE STE 100
STOCKTON CA 95206
(209)953-6000

G12-12 ARCH.
TCY-05.0

FILE NO: 2233
REQUESTOR: KARL RODENBAUGH
BUSINESS: THE PLANNING CENTER / DC & E
ADDRESS: 9841 AIRPORT BLVD STE 1010
LOS ANGELES CA 90045

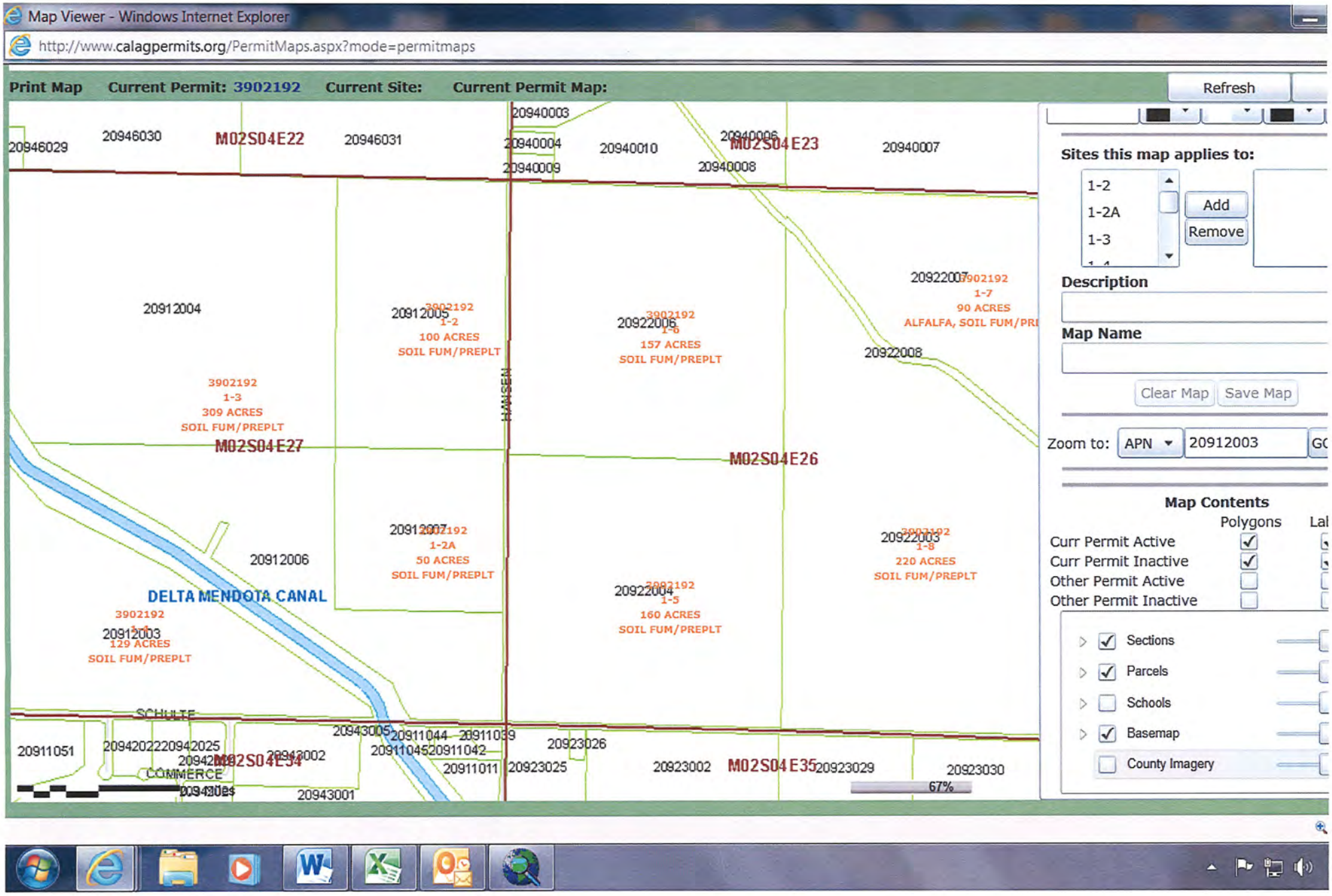
DESCRIPTION	AMOUNT
DATE COMPLETED: 3/18/2013	
RE: PUBLIC RECORDS REQUEST – USE REPORTS & PERMITS - LAST 5 YEARS	
GROWER / RANCH NAME: SEE ATTACHED	
PERMIT NUMBER: SEE ATTACHED	
LOCATION: SEE ATTACHED	
SITE NUMBER(S): SEE ATTACHED	
SECTION: TOWNSHIP: RANGE:	
APN NUMBER(S): SEE ATTACHED	
COPIES: 21 X @0.10 Ea	**$ 2.10**
242 X @0.07 Ea	**$16.94**
NOTE: NO RECORDS FOUND FOR "BOB-A-LOU".	
Disclaimer:	
Pesticide use report (PUR) public record request results are derived from two sources: paper and electronic PUR submittal. Due to delays in or apparent errors found during data entry of paper submitted PURs electronic query results are unlikely to match provided copies of paper submitted PURs.	
The San Joaquin County Agricultural Commissioner's Office is not responsible for explaining any discrepancies and makes no guarantees implied or otherwise that the data provided will meet the applicant's requirements or needs.	
PLEASE PAY FROM INVOICE	
PAYMENT DUE WITHIN 30 DAYS	
MAKE CHECK PAYABLE TO: SAN JOAQUIN COUNTY	
REMIT TO: 2101 E EARHART AVE STE 100 STOCKTON CA 95206	
TOTAL DUE	**$19.04**

publicrecords

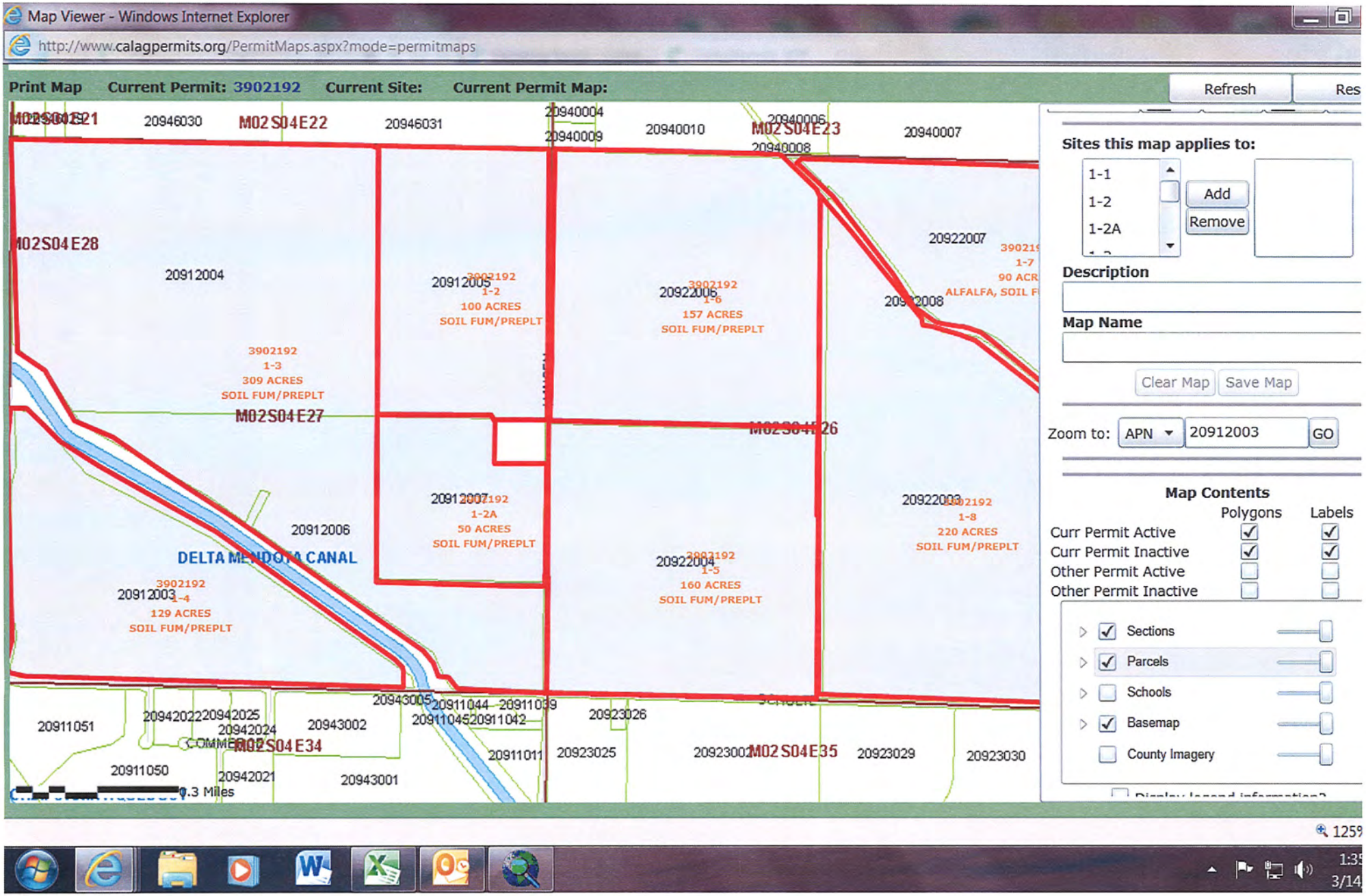
PUBLIC RECORDS REQUEST NO. 2233

APN	GROWER NAME	PERMIT NO.	SITE ID	YEAR PERMIT ISSUED	PURS LOCATED IN CALAG PROGRAM?	LOCATED HARD COPY?
209 120 03	ALEGRE, STEPHEN	3902192	1-4	2008-2013	NO	NO
209 120 04	ALEGRE, STEPHEN	3902192	1-3	2008-2013	NO	NO
209 120 05	ALEGRE, STEPHEN	3902192	1-2	2008-2013	NO	NO
209 120 06	ALEGRE, STEPHEN	3902192	1-3	2008-2013	NO	NO
209 120 07	ALEGRE, STEPHEN	3902192	1-2	2008-2013	NO	NO
209 220 03	ALEGRE, STEPHEN	3902192	1-8	2008-2013	NO	NO
209 220 04	ALEGRE, STEPHEN	3902192	1-5	2008-2013	NO	NO
209 220 06	ALEGRE, STEPHEN	3902192	1-6	2008-2013	NO	NO
209 220 07	ALEGRE, STEPHEN	3902192	1-7	2008-2013	NO	NO
209 220 08	ALEGRE, STEPHEN	3902192	1-7	2008-2013	NO	NO
209 080 08	HOLDENER RANCHES	3902046	4-1	2008-2013	YES	YES
209 080 24	HOLDENER RANCHES	3902046	4-1	2008-2013	YES	YES
209 090 36	NOT FARMED					
209 460 25	HOLDENER RANCHES	3902046	4-2	2008-2013	YES	YES
209 460 27	NOT FARMED					
209 460 28	NOT FARMED					
209 460 29	NOT FARMED					
209 460 30	HOLDENER RANCHES	3902046	4-2	2008-2013	YES	YES
209 460 31	LAFRANCIS, ALBERT	3900394	3-2	2008-2009	NO	NO
209 400 01	GOUVAIA, MARK	3902168	1-1	2008-2013	YES	YES
209 400 02	GOUVAIA, MARK	3902168	1-4	2008-2013	YES	YES
209 400 03	GOUVAIA, MARK	3902168	1-4	2008-2013	YES	YES
209 400 04	GOUVAIA, MARK	3902168	1-2	2008-2013	YES	YES
209 400 09	NOT FARMED					
209 400 10	GOUVAIA, MARK	3902168	1-4	2008-2013	YES	YES

2013 (ALLEGRE, STEPHEN) APN: 20912003, 20912004, 20912005, 20912006, 20912007, 20922003, 20922004, 20922006, 20922007, 20922008



2012 (ALLEGRE, STEPHEN) APN: 20912003, 20912004, 20912005, 20912006, 20912007, 20922003, 20922004, 20922006, 20922007, 20922008

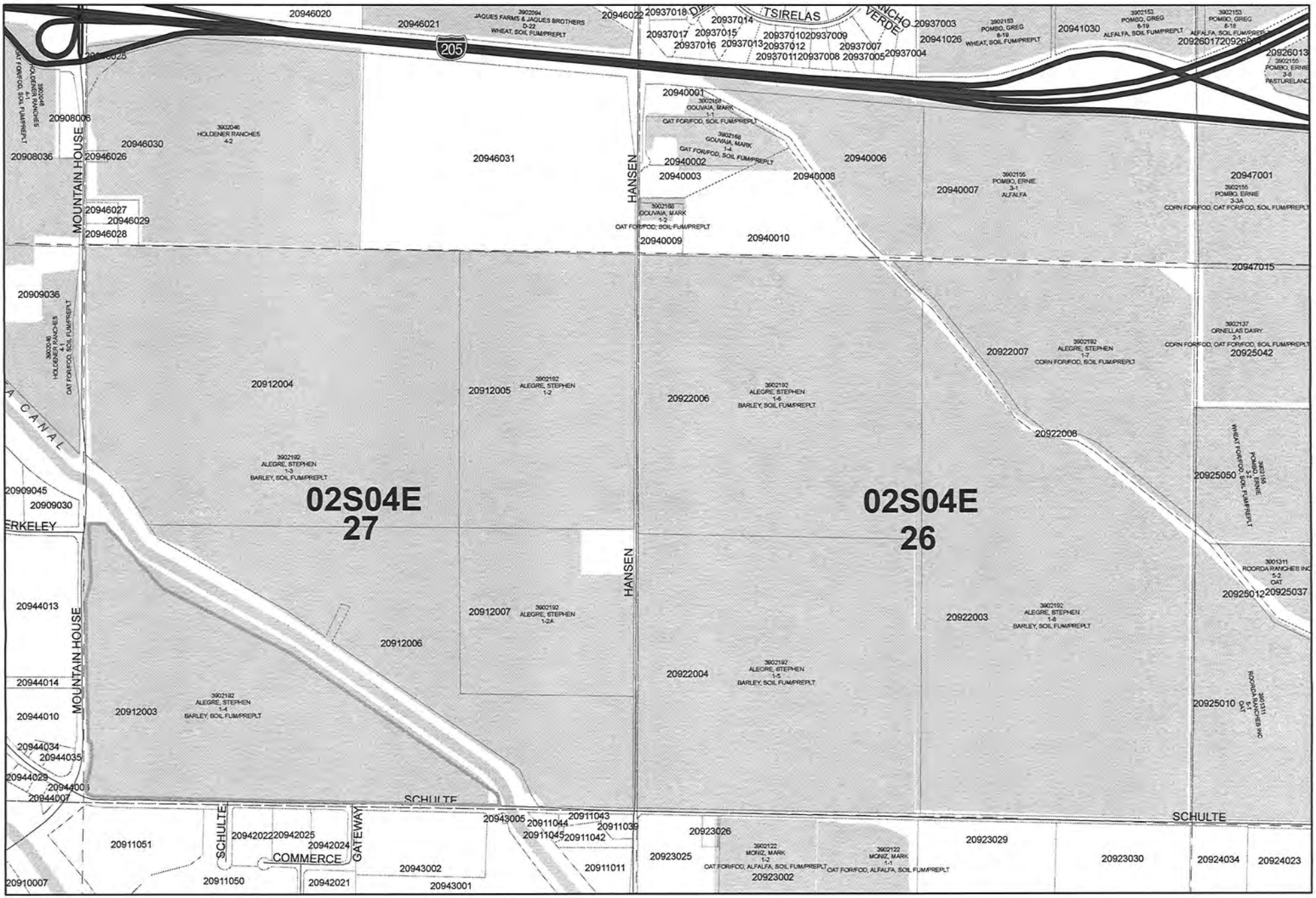


San Joaquin County
Agricultural Commissioner's Office

FILE #2233
APN: 20912003, 20912004, 20912005, 20912006, 20912007
20922003, 20922004, 20922006, 20922007, 20922008

2011

N

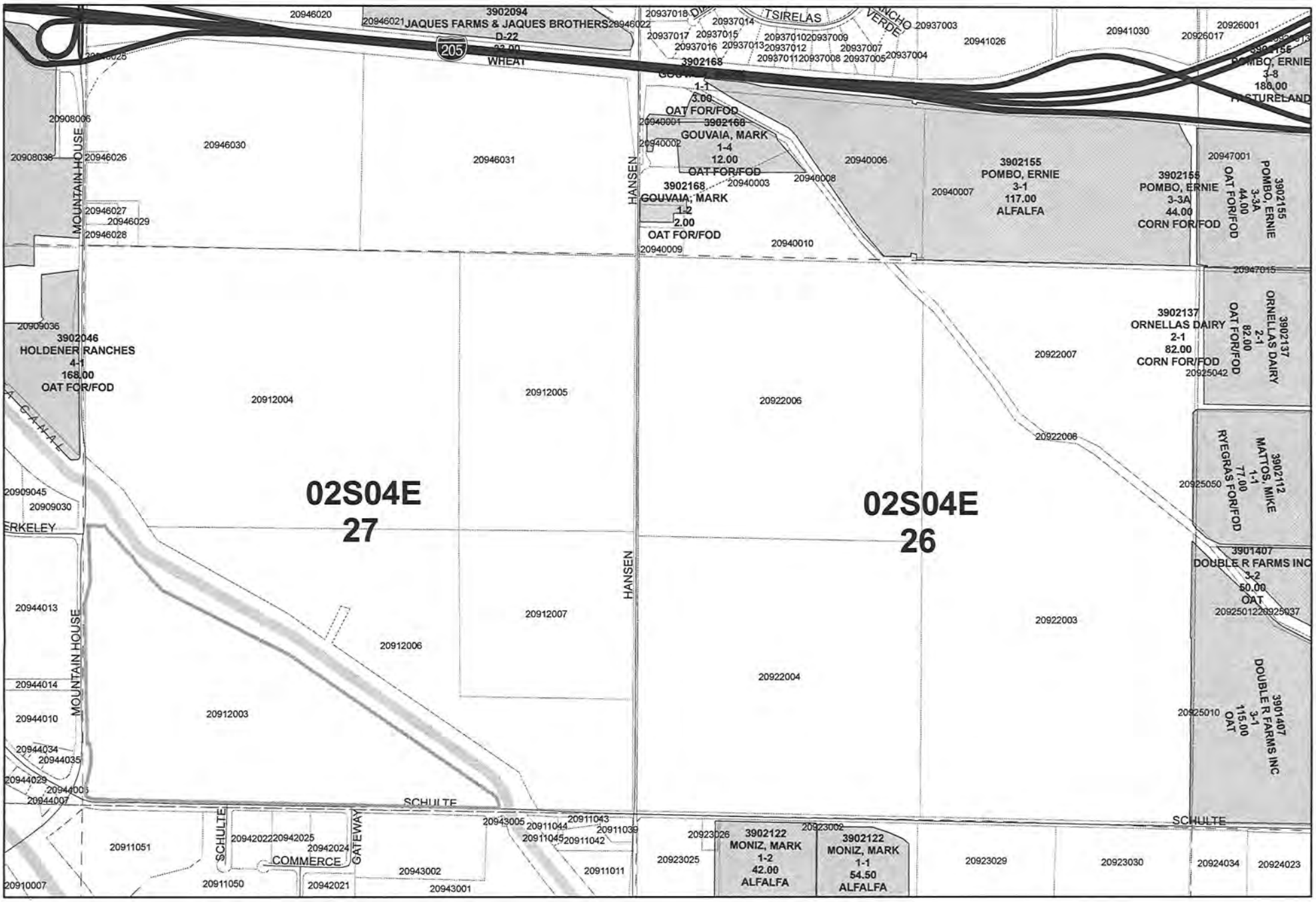


San Joaquin County
Agricultural Commissioner's Office

FILE #2233
APN: 20912003, 20912004, 20912005, 20912006, 20912007
20922003, 20922004, 20922006, 20922007, 20922008

2010

N

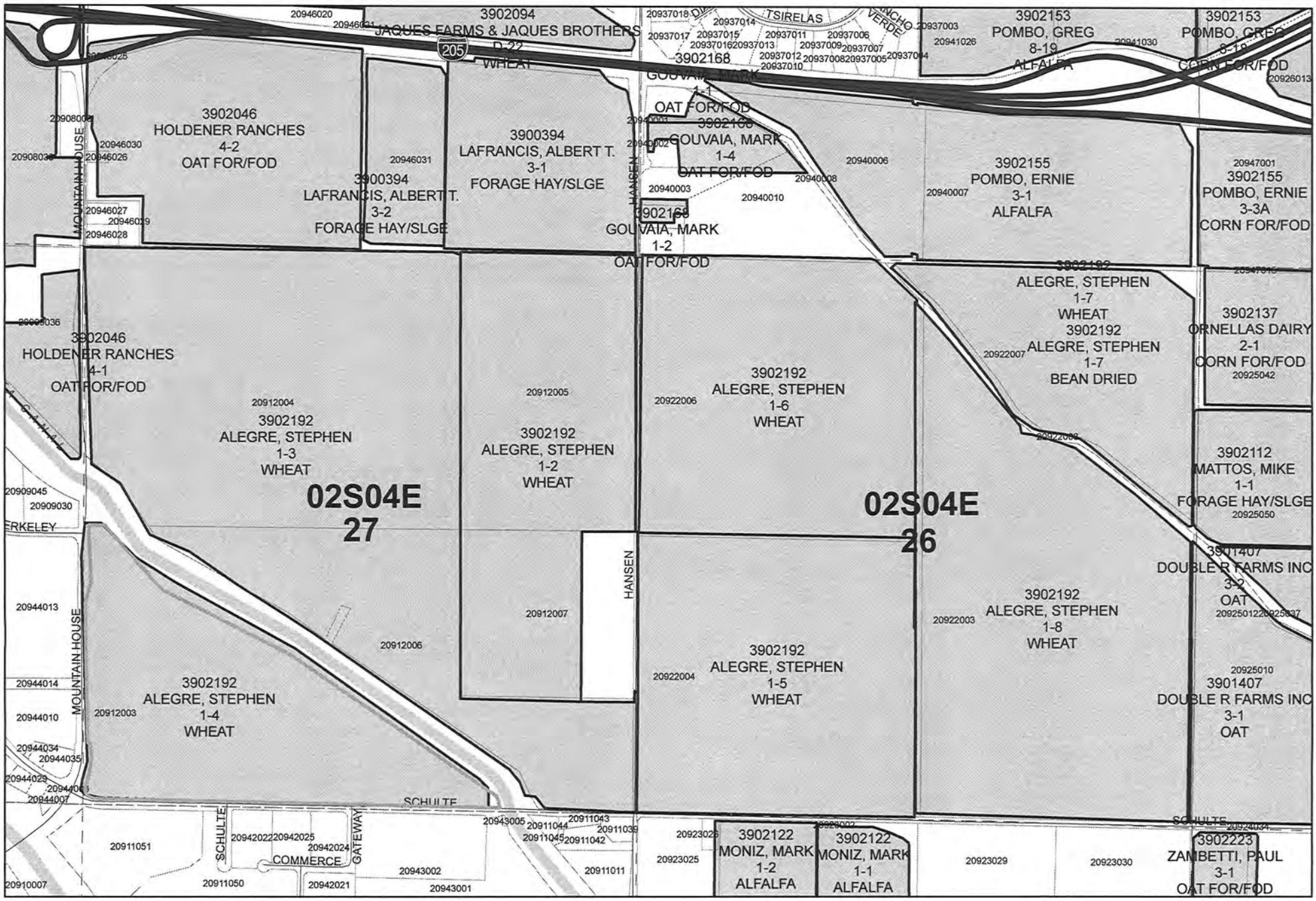


San Joaquin County
Agricultural Commissioner's Office

FILE #2233
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20922003, 20922004, 20922006, 20922007, 20922008

2009

N

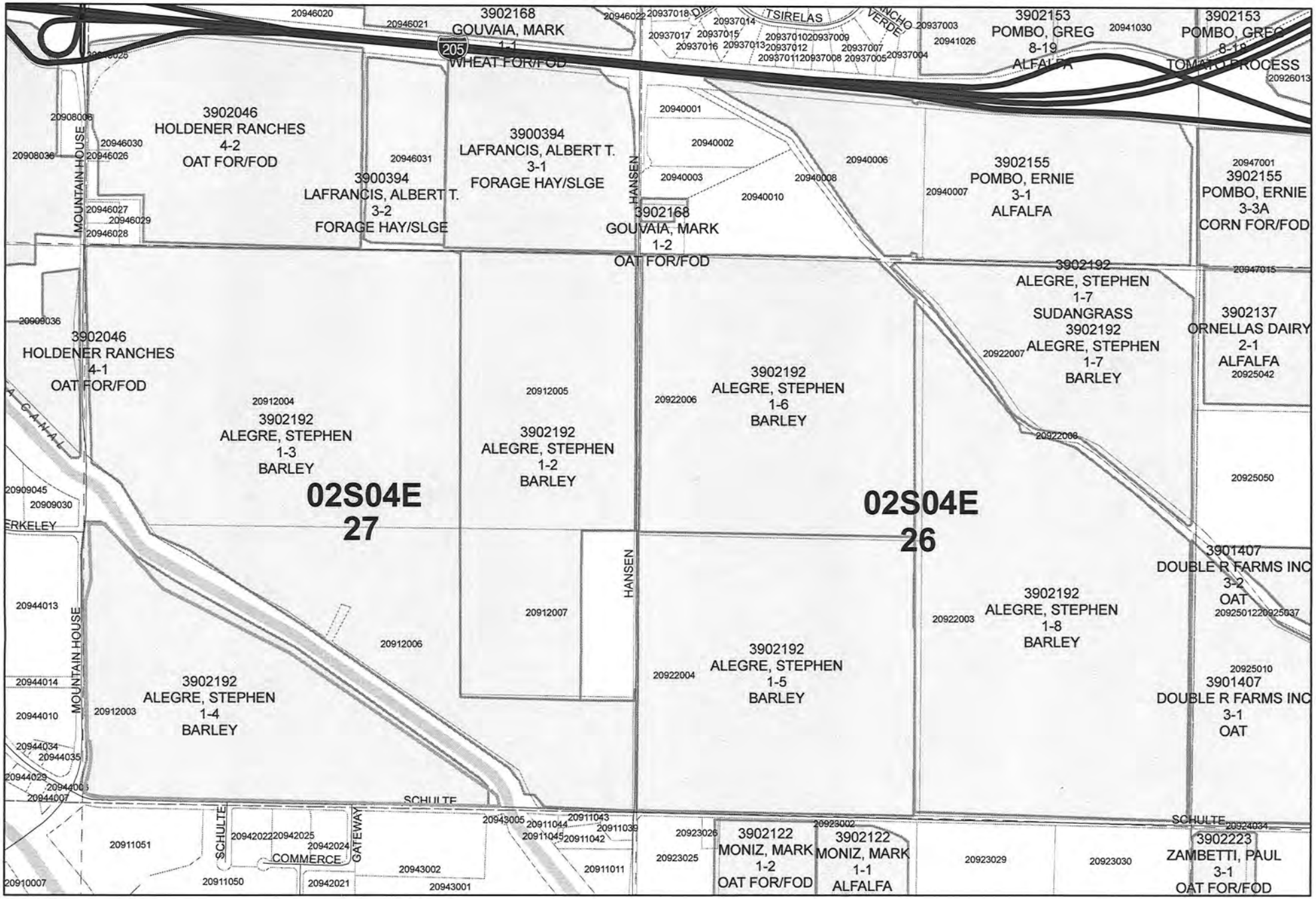


San Joaquin County
Agricultural Commissioner's Office

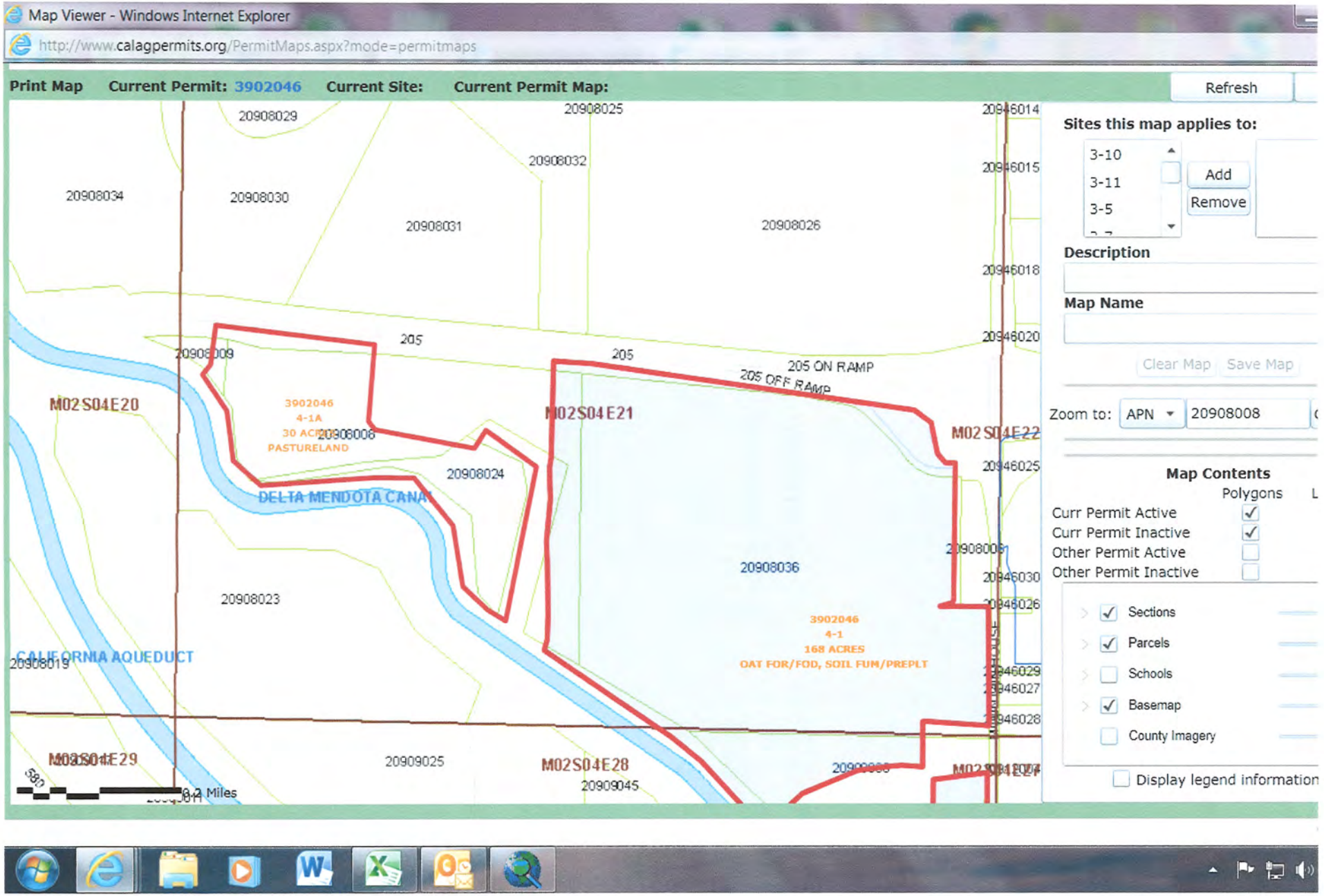
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APN: 20912003, 20912004, 20912005, 20912006, 20912007
20922003, 20922004, 20922006, 20922007, 20922008

2008

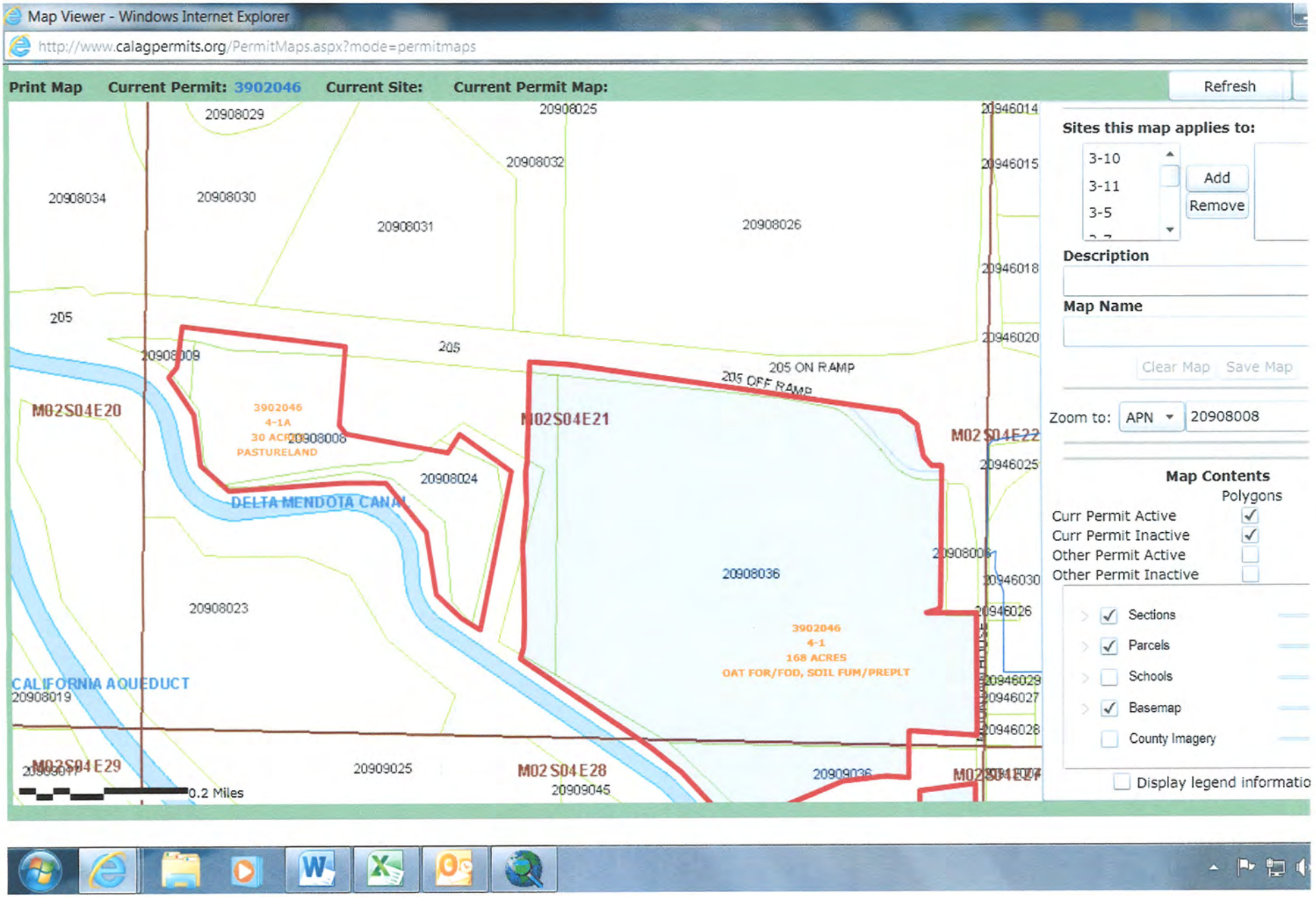
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2013 (HOLDENER RANCHES) APN: 20908008, 20908024



2012 (HOLDENER RANCHES) APN: 20908008, 20908024

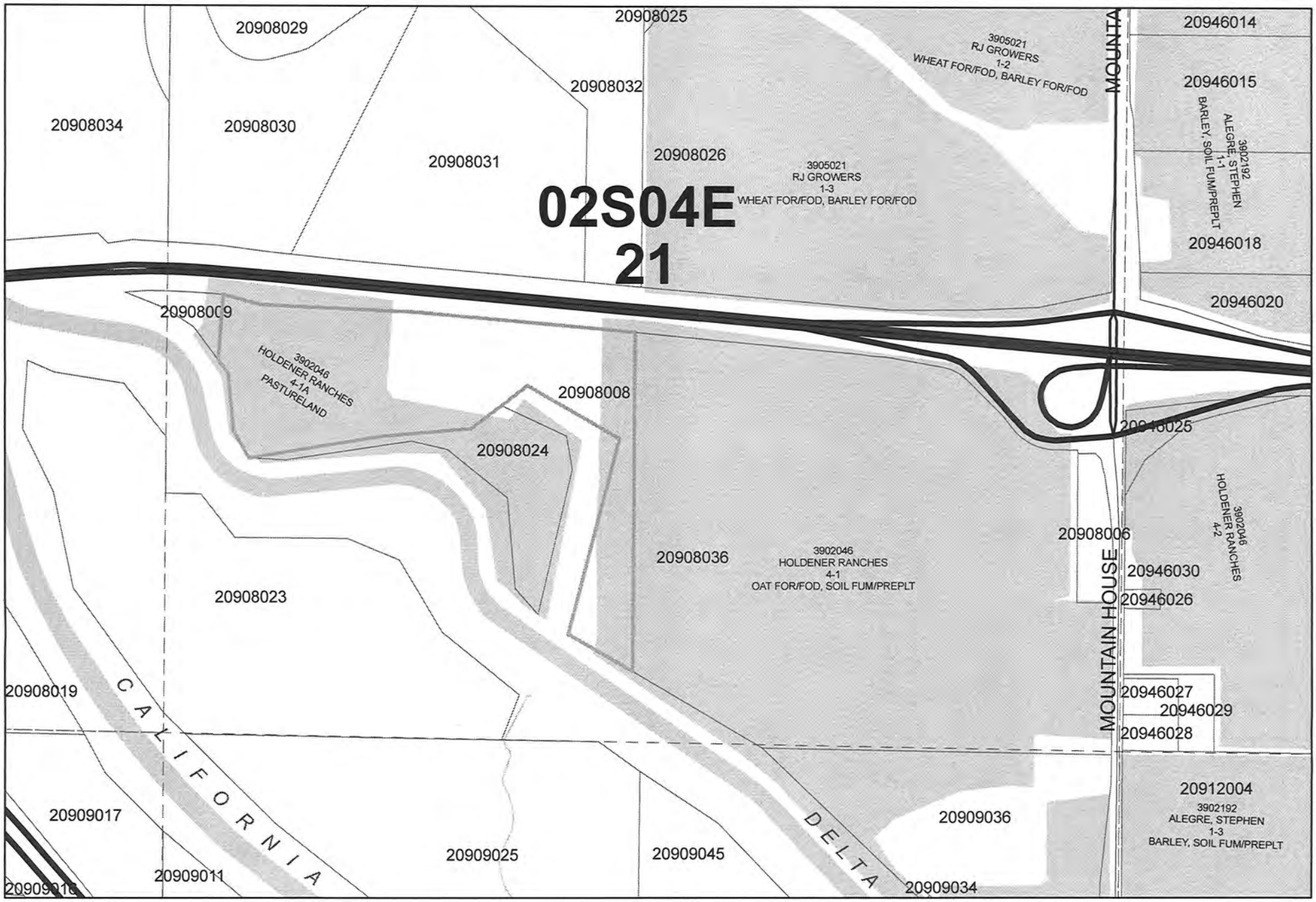


San Joquin County
Agricultural Commissioner's Office

FILE #2233
APN: 20908008, 20908024

2011

N

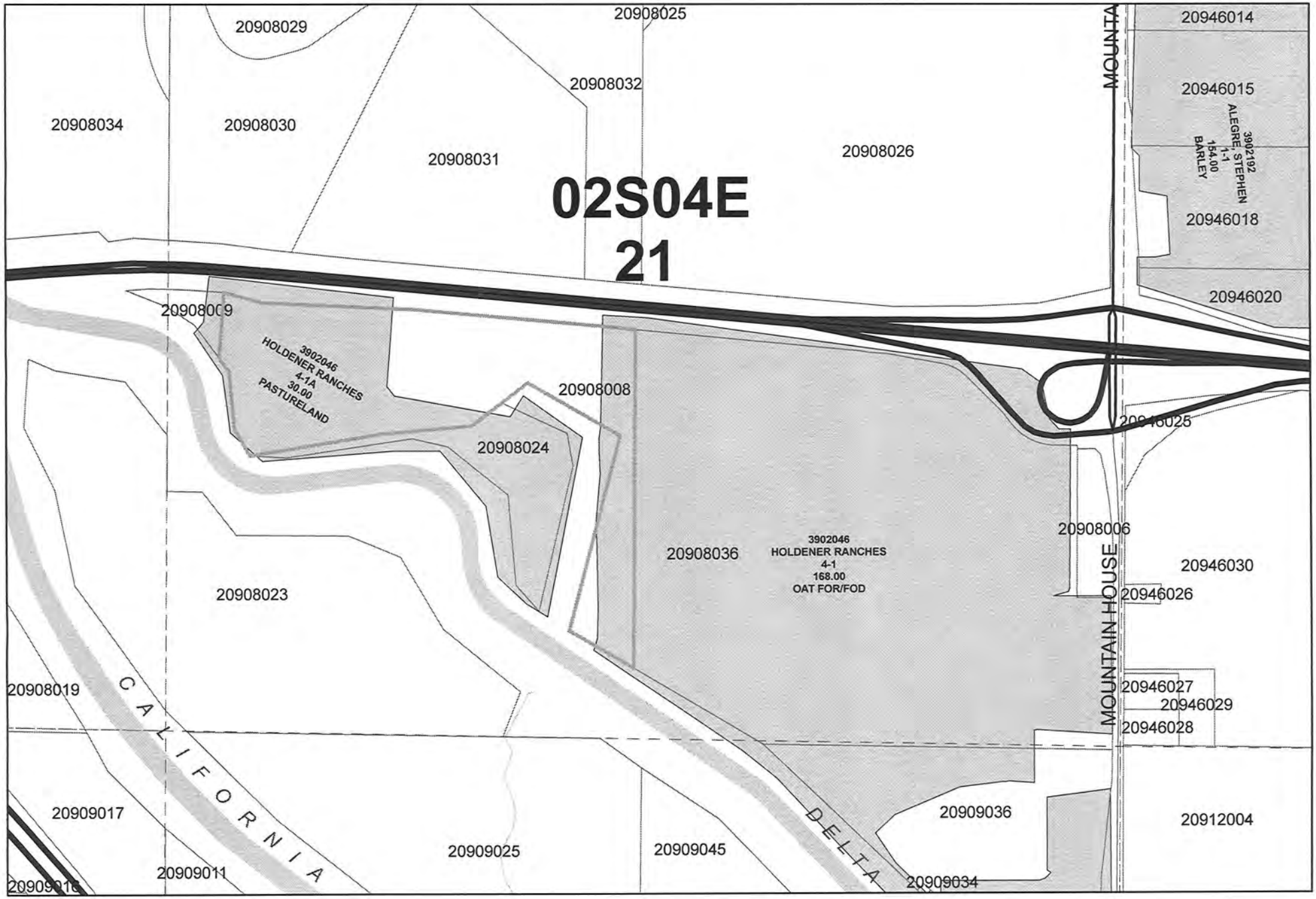


San Joquin County
Agricultural Commissioner's Office

FILE #2233
APN: 20908008, 20908024

2010

N

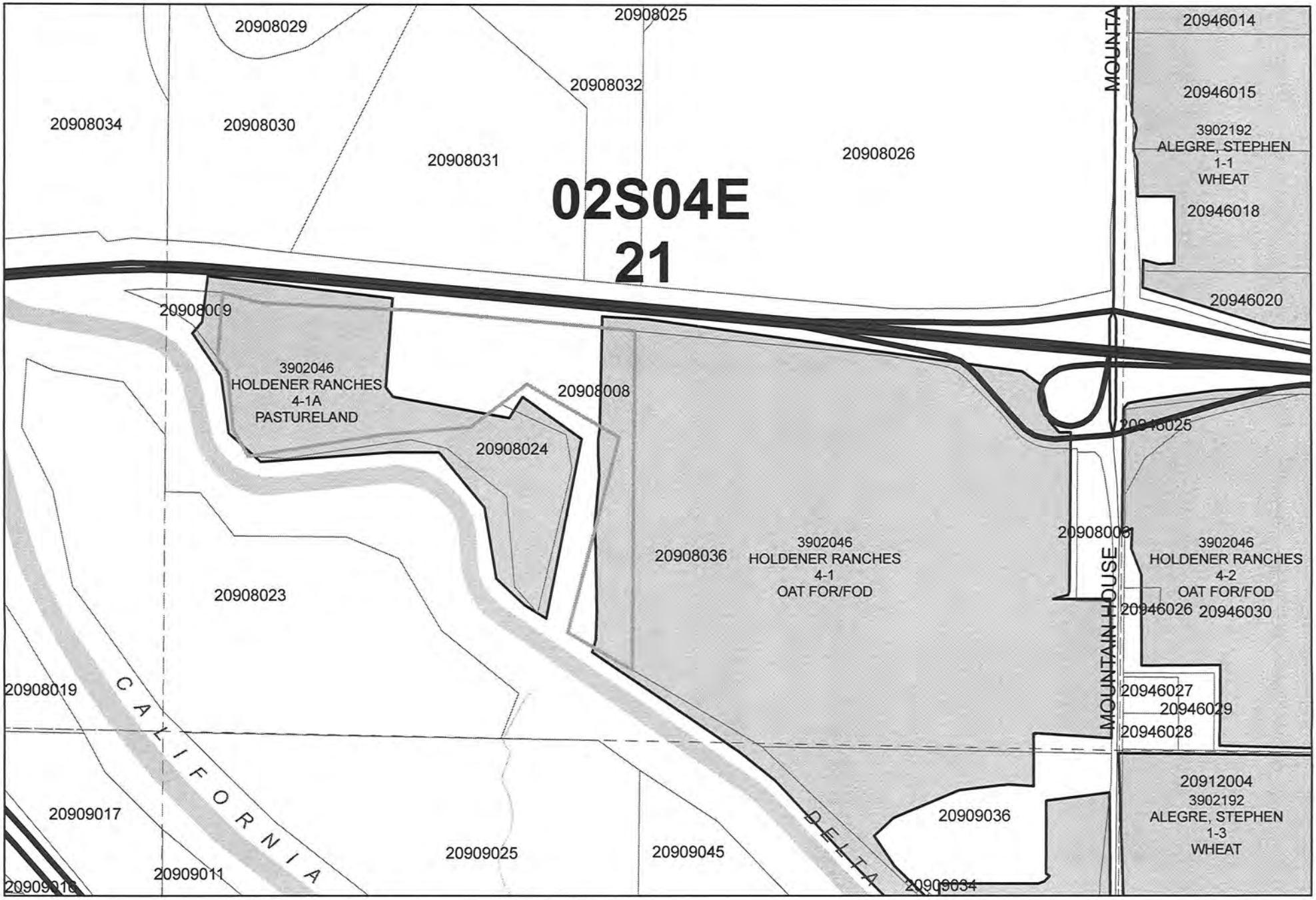


San Joaquin County
Agricultural Commissioner's Office

FILE #2233
APN: 20908008, 20908024

2009

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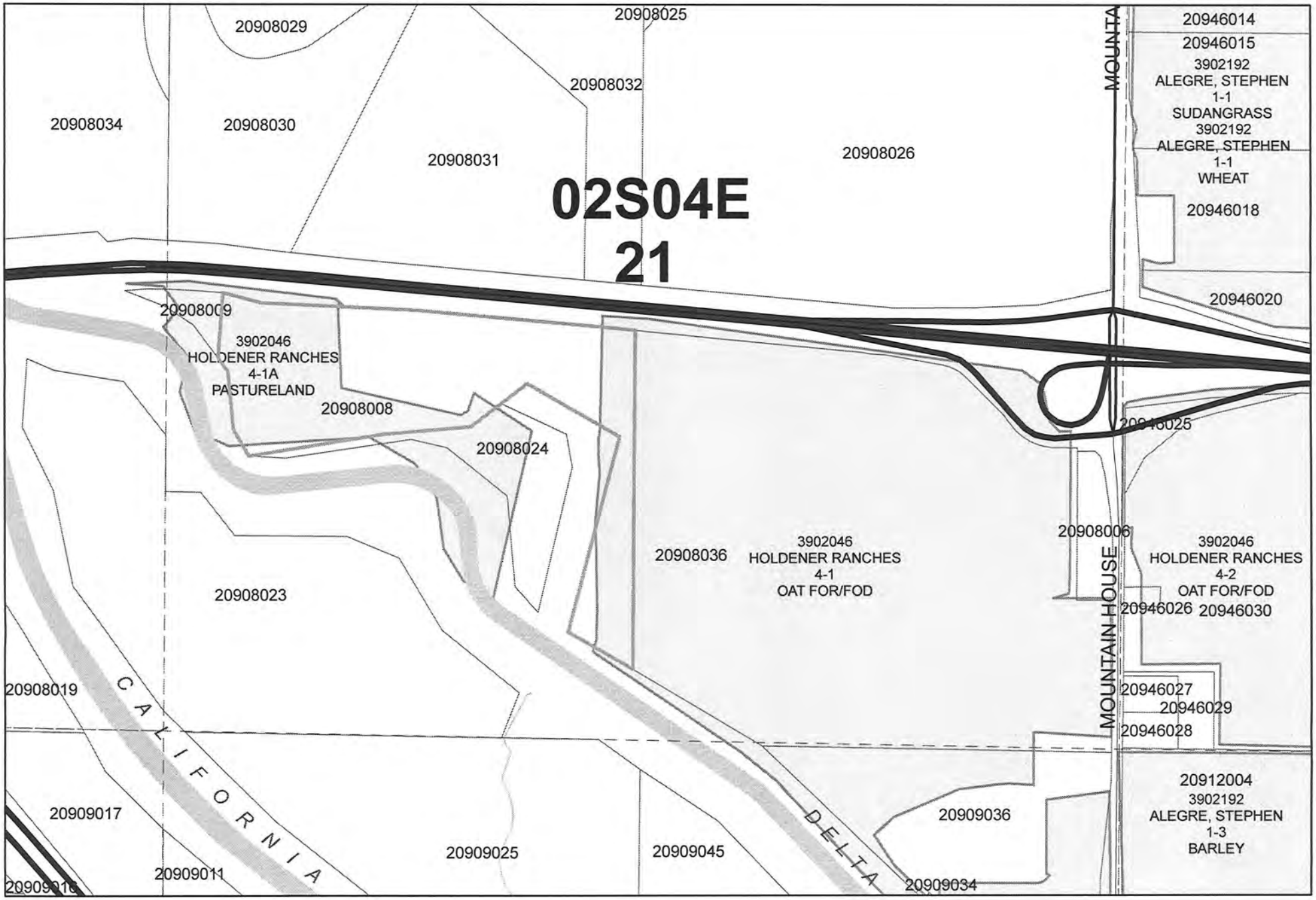


San Joaquin County
Agricultural Commissioner's Office

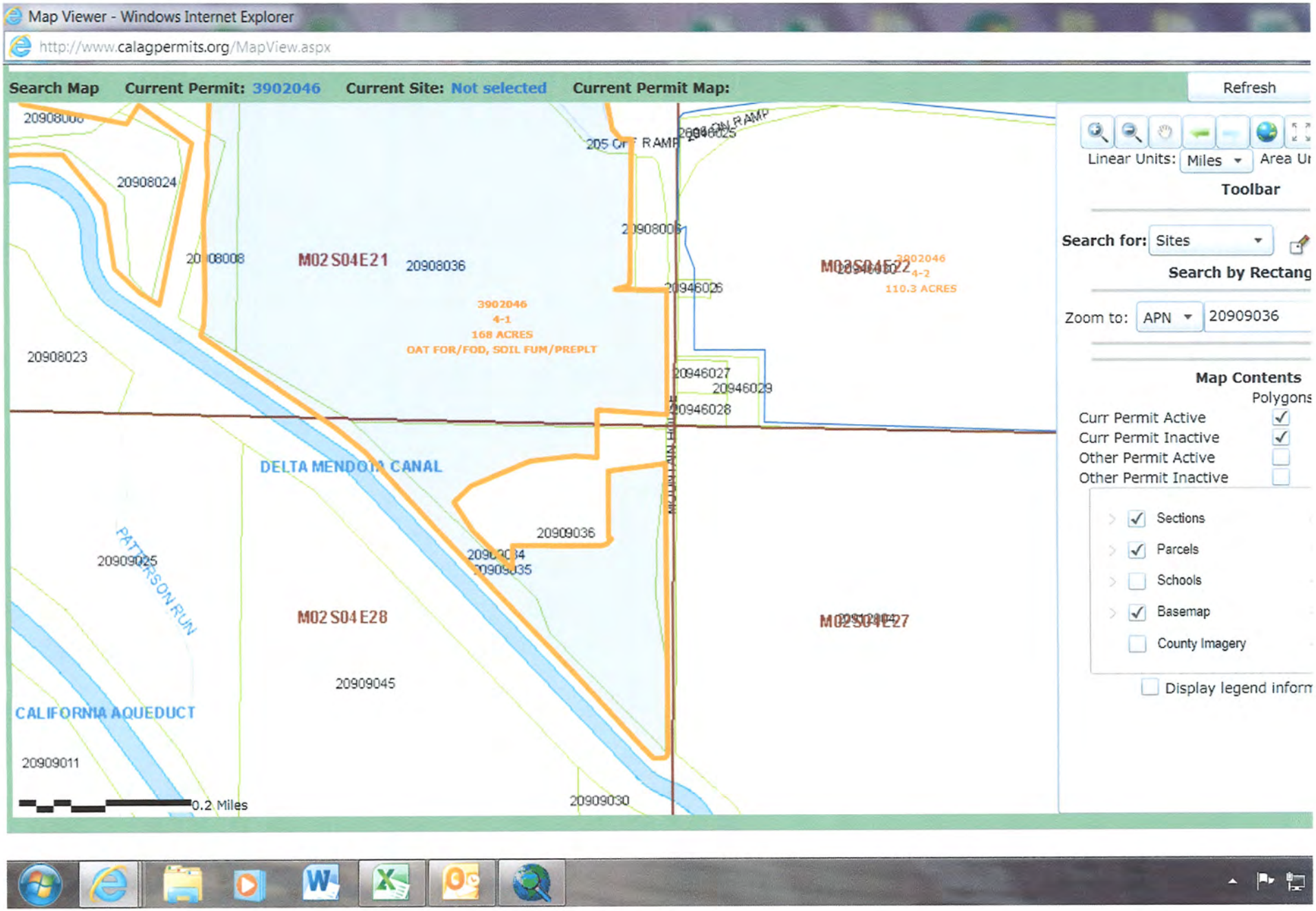
FILE #2233
APN: 20908008, 20908024

2008

N



2012, 2013 APN: 20909036

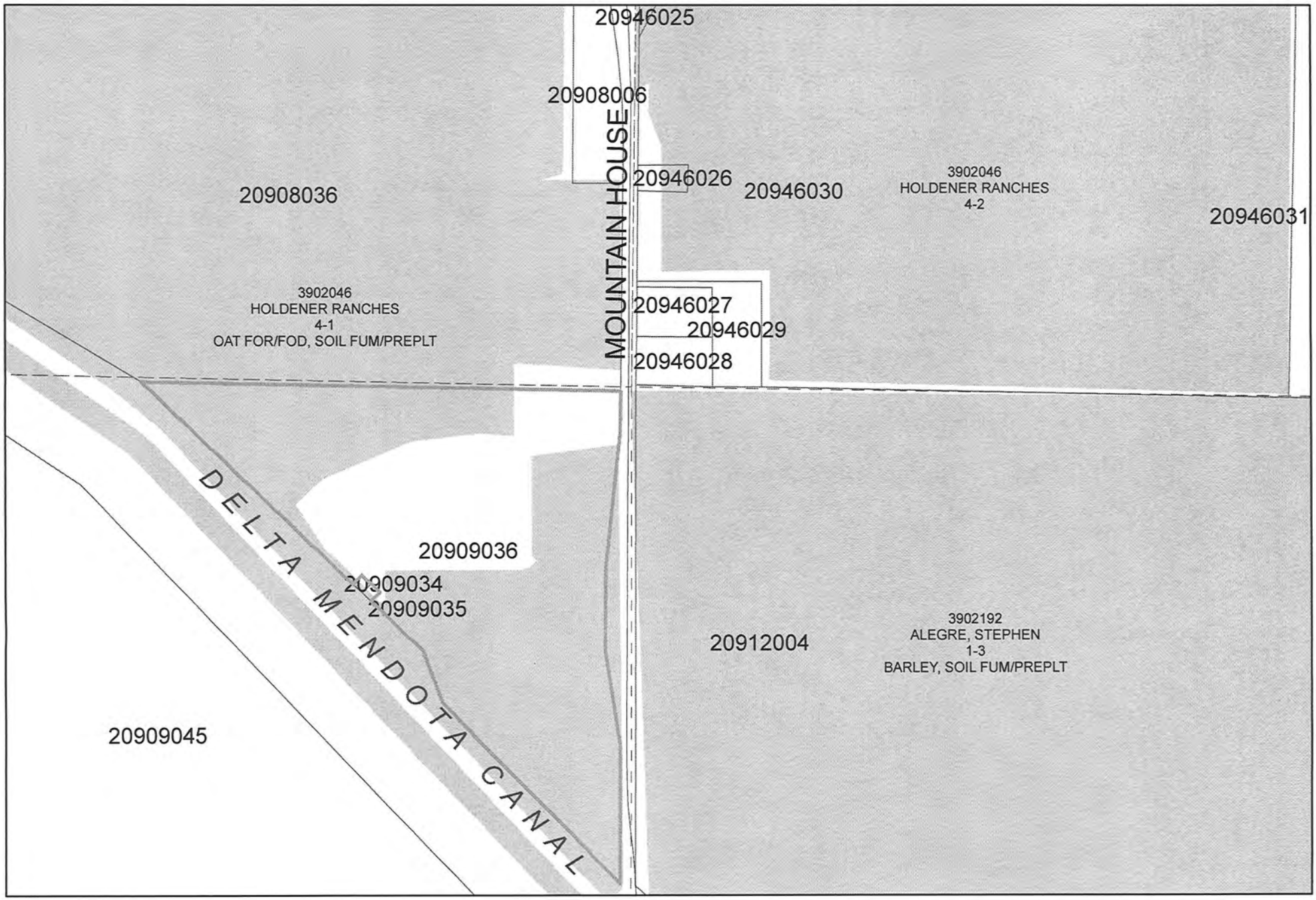


San Joaquin County
Agricultural Commissioner's Office

FILE #2233
APN: 20909036

2011

N

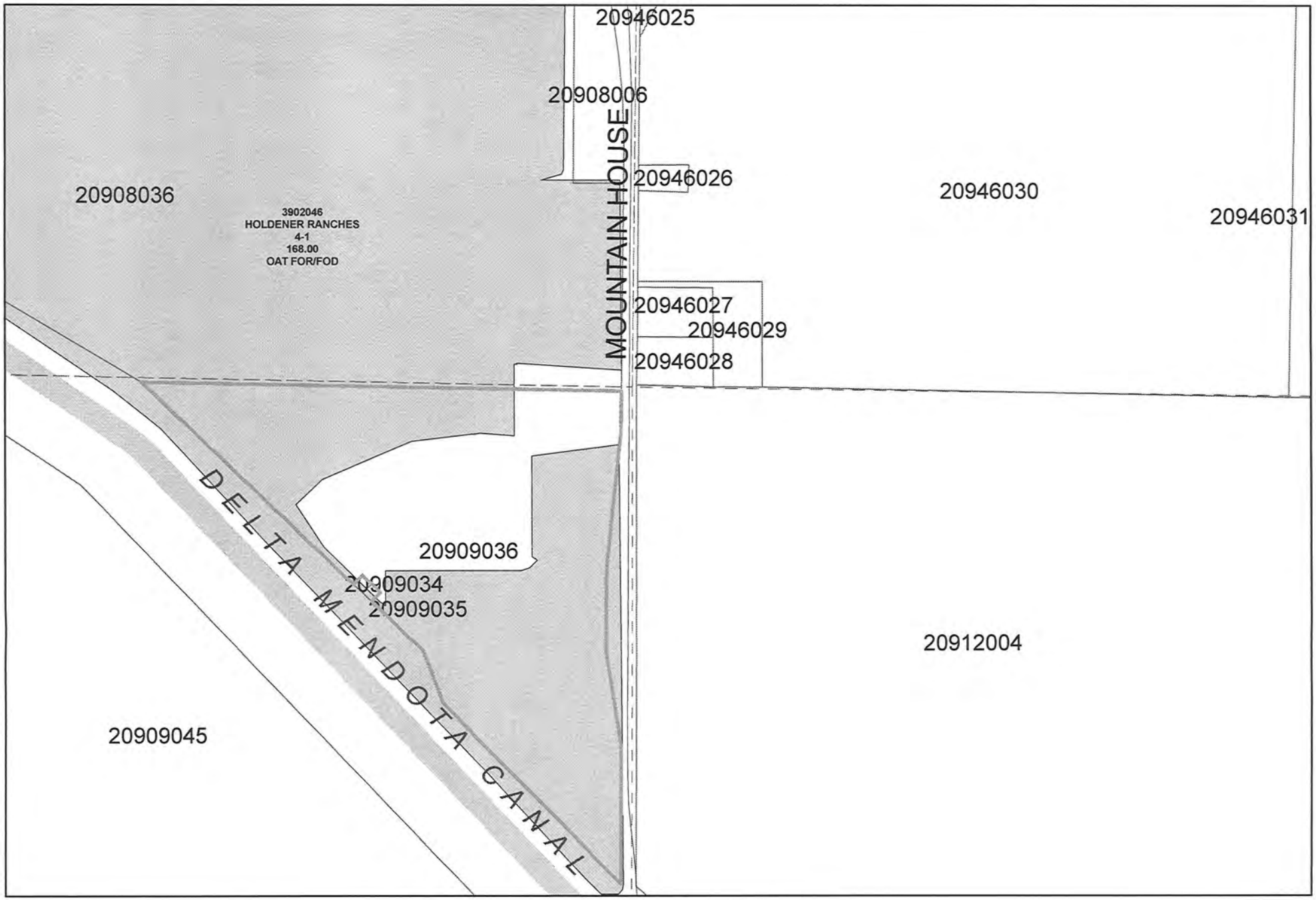


San Joaquin County
Agricultural Commissioner's Office

FILE #2233
APN: 20909036

2010

N

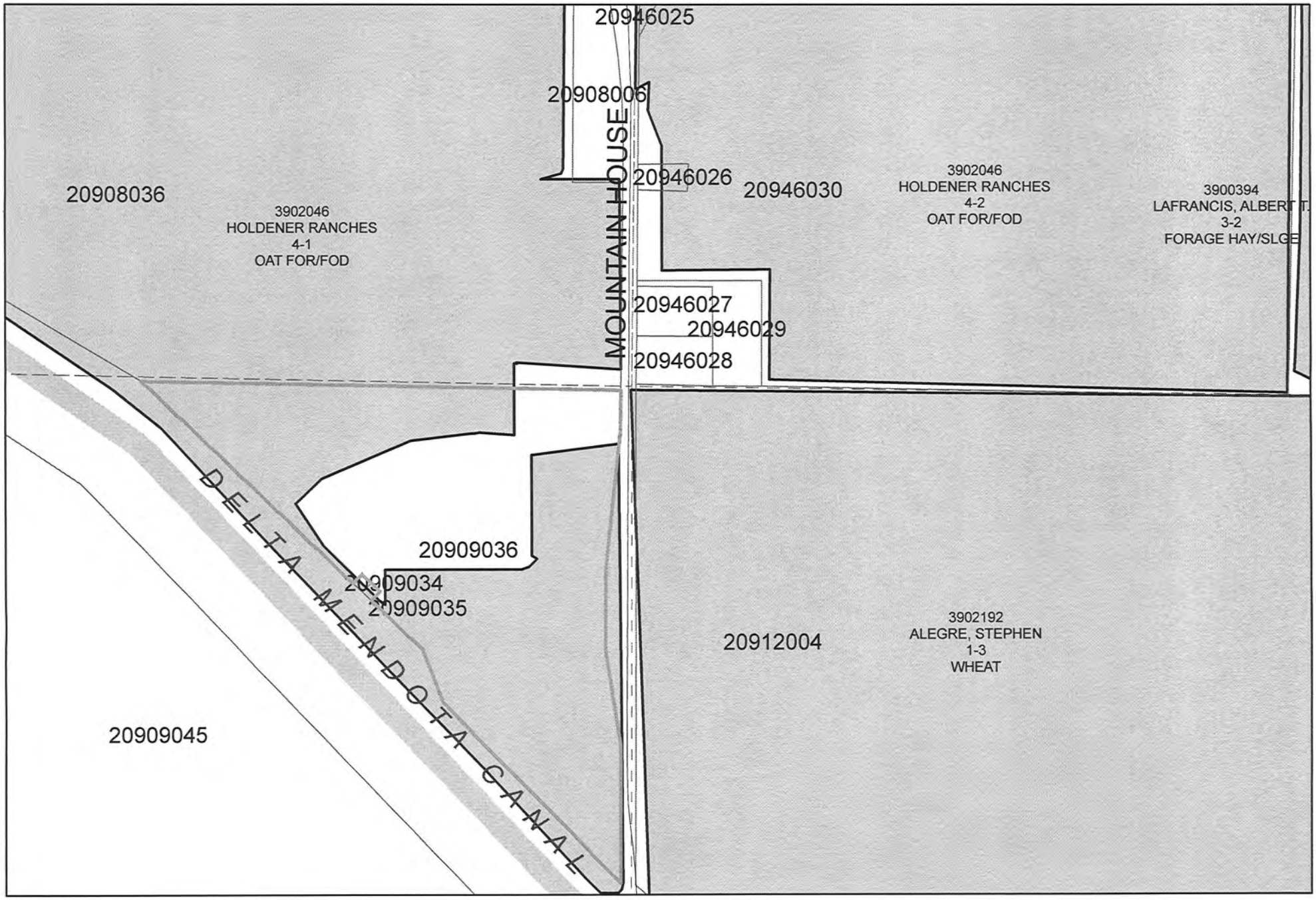


San Joaquin County
Agricultural Commissioner's Office

FILE #2233
APN: 20909036

2009

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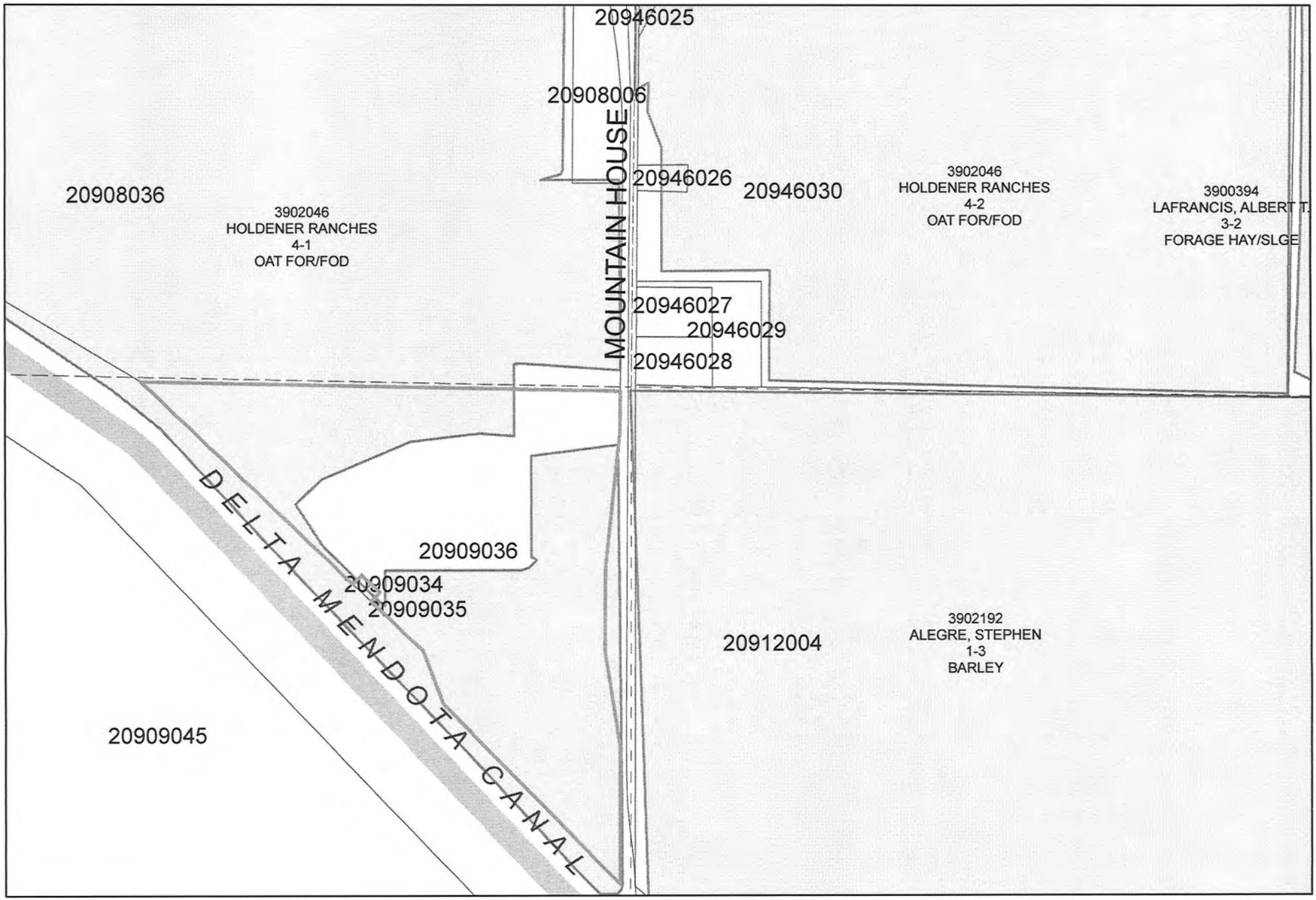


San Joquin County
Agricultural Commissioner's Office

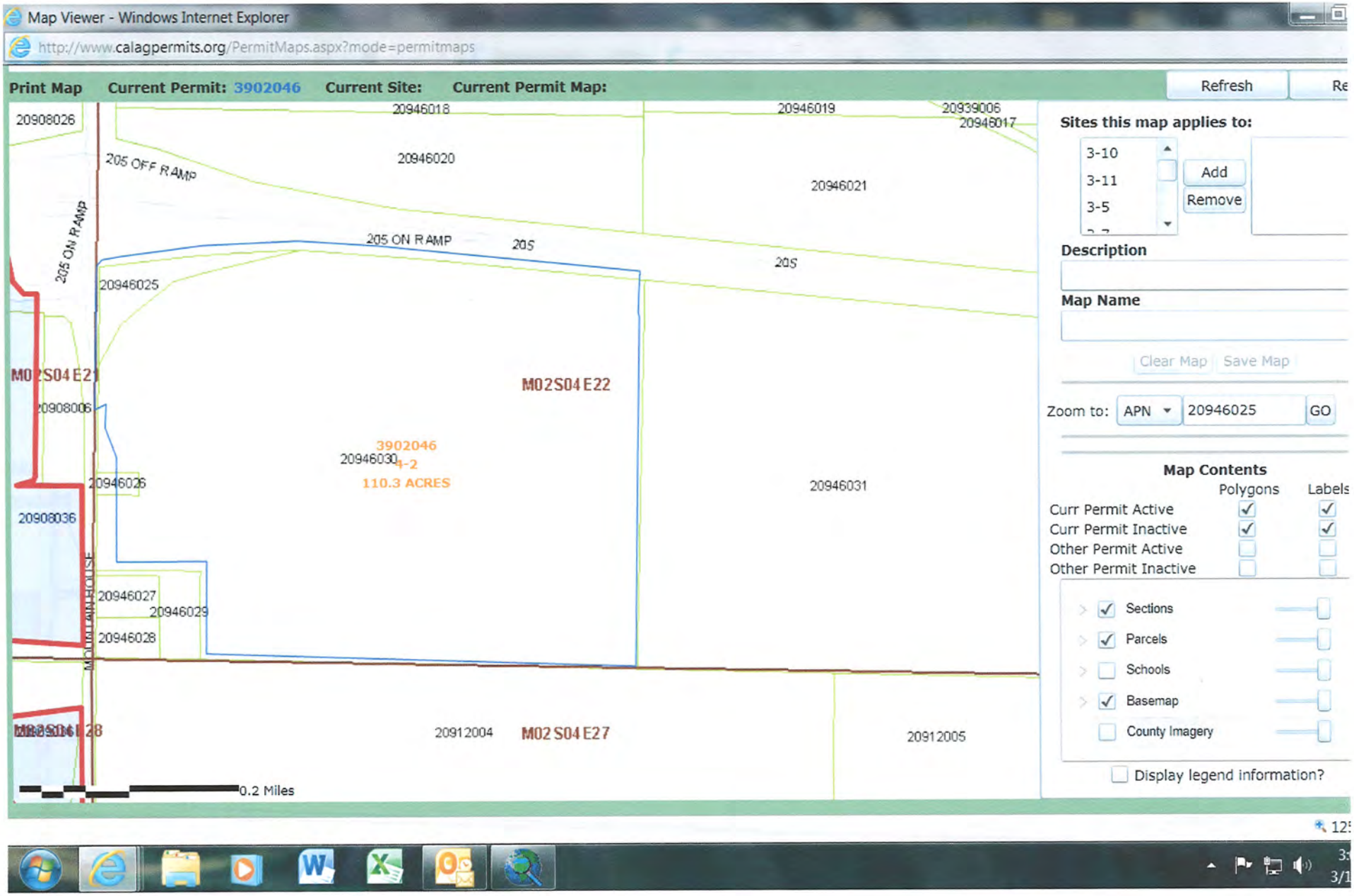
FILE #2233
APN: 20909036

2008

N



2013 (HOLDENER RANCH; LAFRANCIS, ALBERT) APN: 20946025, 20946027, 20946028, 20946029, 20946030, 20946031

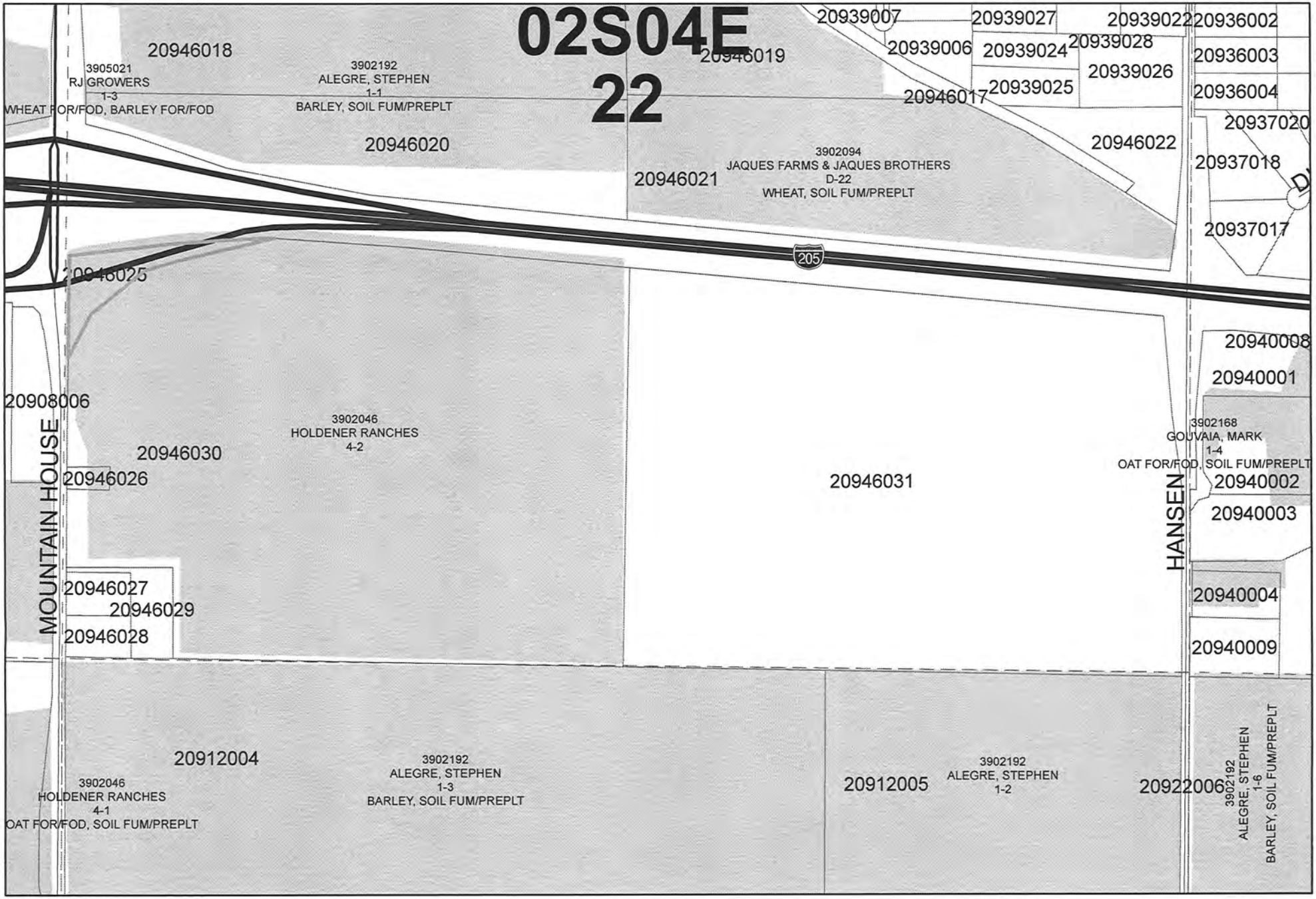


San Joquin County
Agricultural Commissioner's Office

FILE #2233
APN: 20946025, 20946027, 20946028, 20946029, 20946030, 20946031

2011

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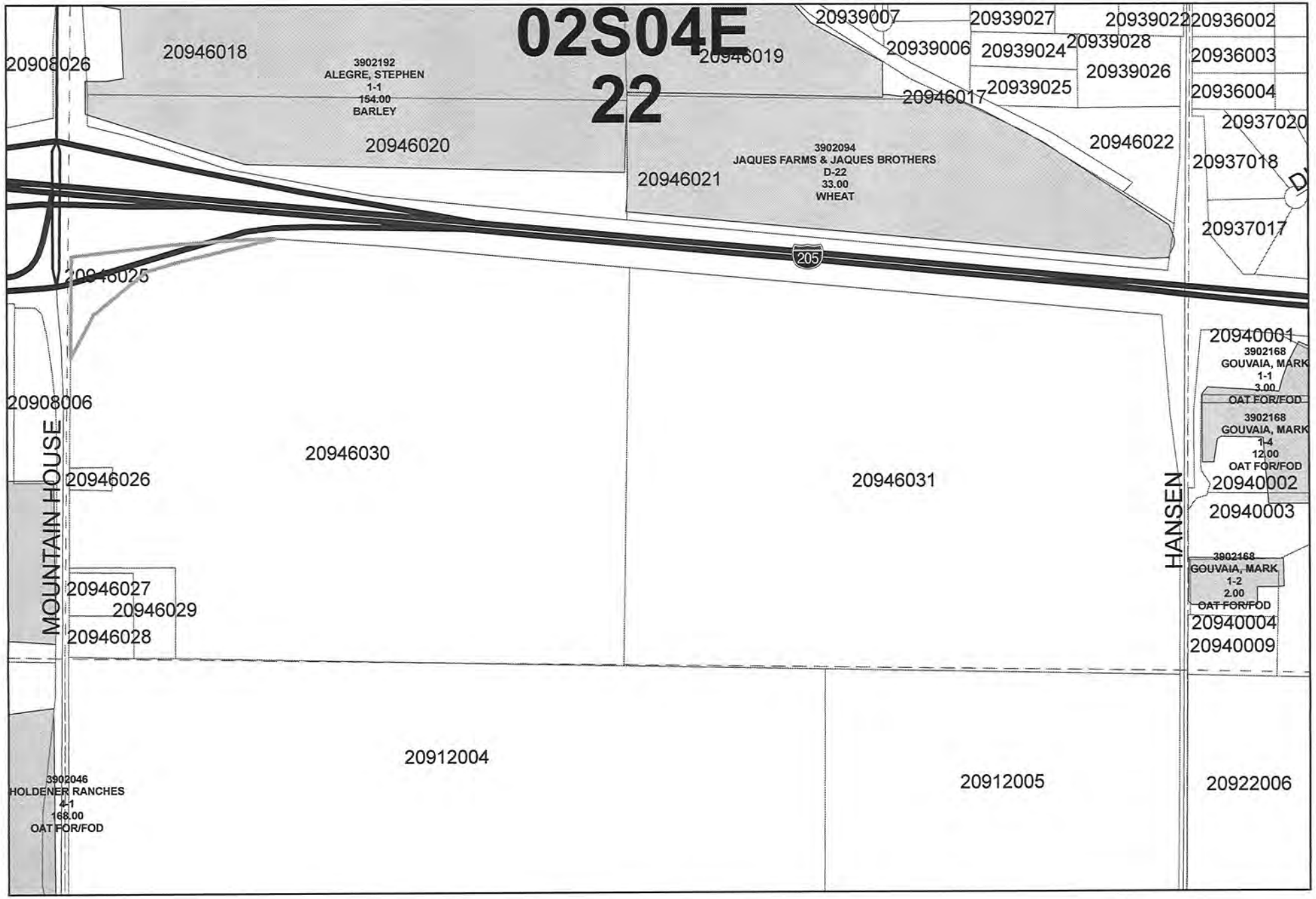


San Joaquin County
Agricultural Commissioner's Office

FILE #2233
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2010

N

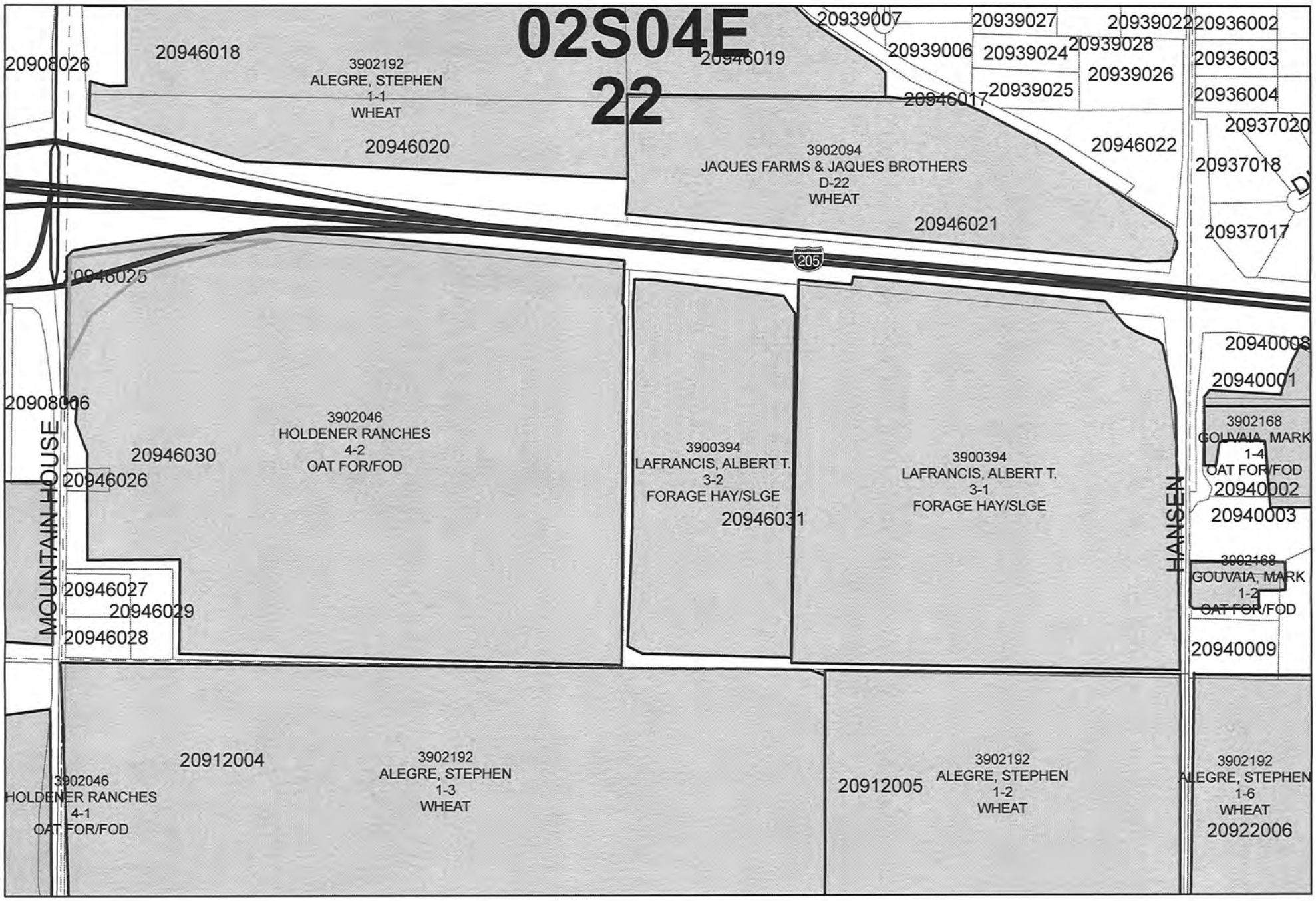


San Joaquin County
Agricultural Commissioner's Office

FILE #2233
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2009

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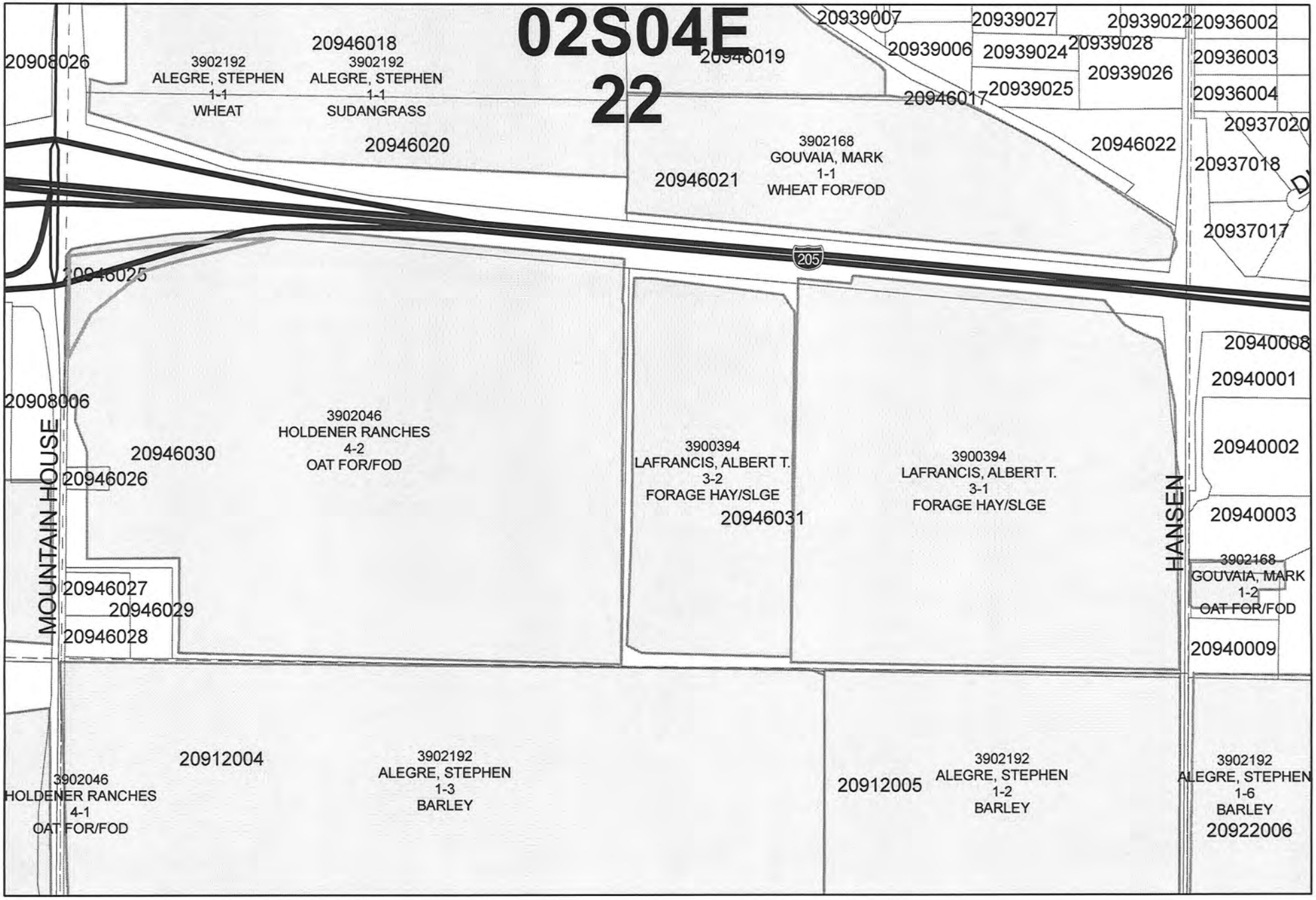


San Joquin County
Agricultural Commissioner's Office

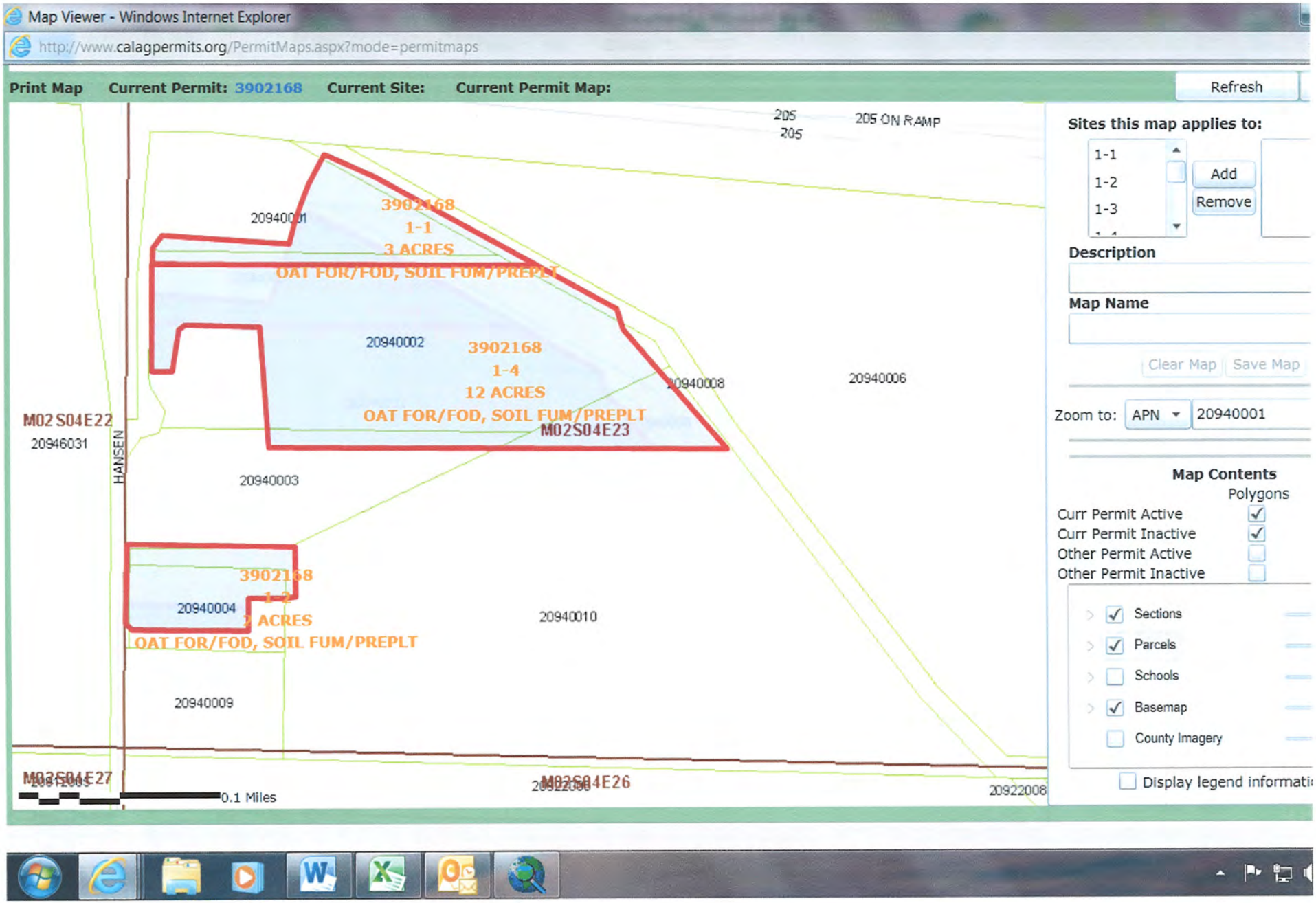
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APN: 20946025, 20946027, 20946028, 20946029, 20946030, 20946031

2008

N



2013 (GOUVAIA, MARK) APN: 20940001, 20940002, 20940003, 20940004, 20940009, 20940010

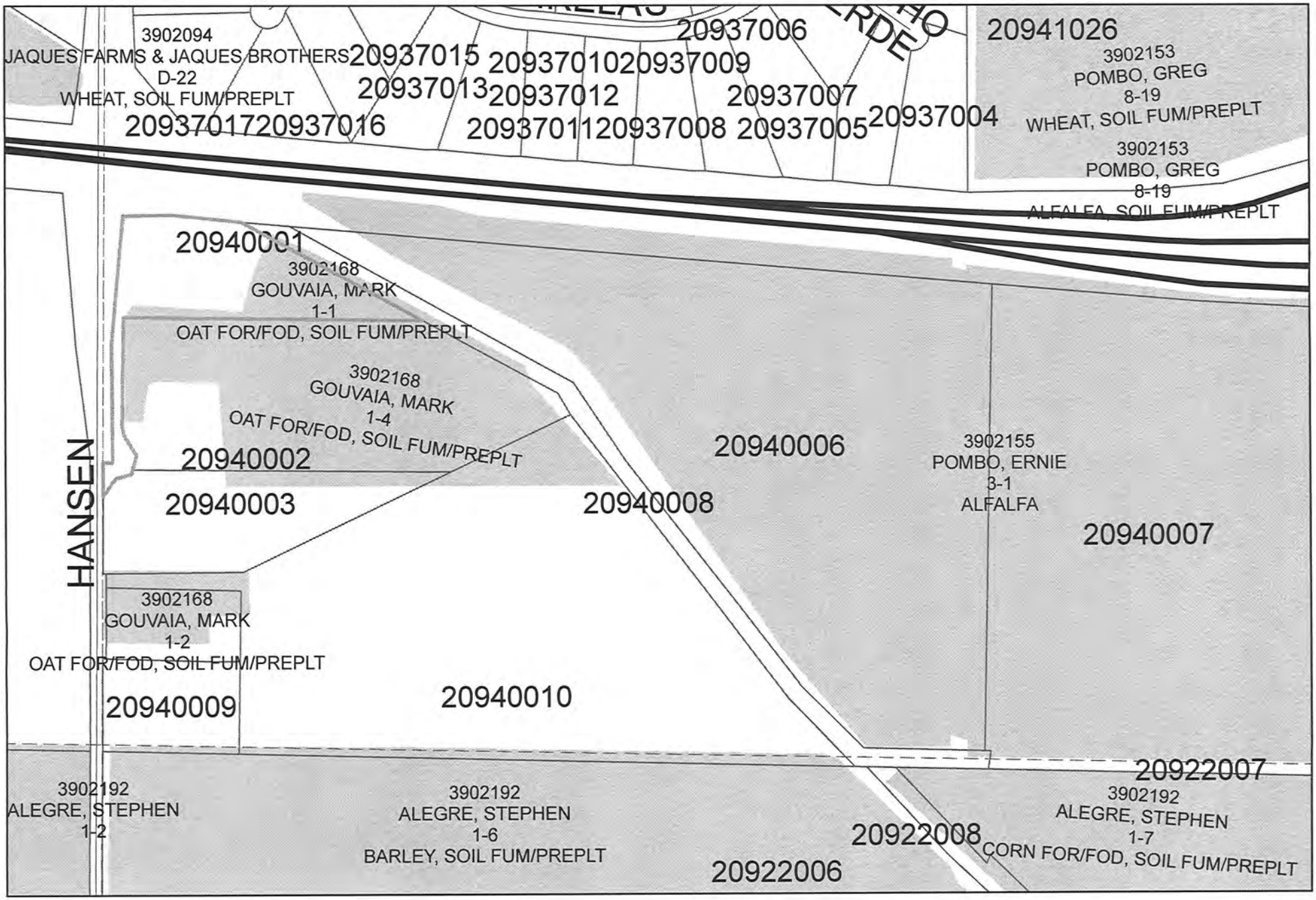


San Joquin County
Agricultural Commissioner's Office

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2011

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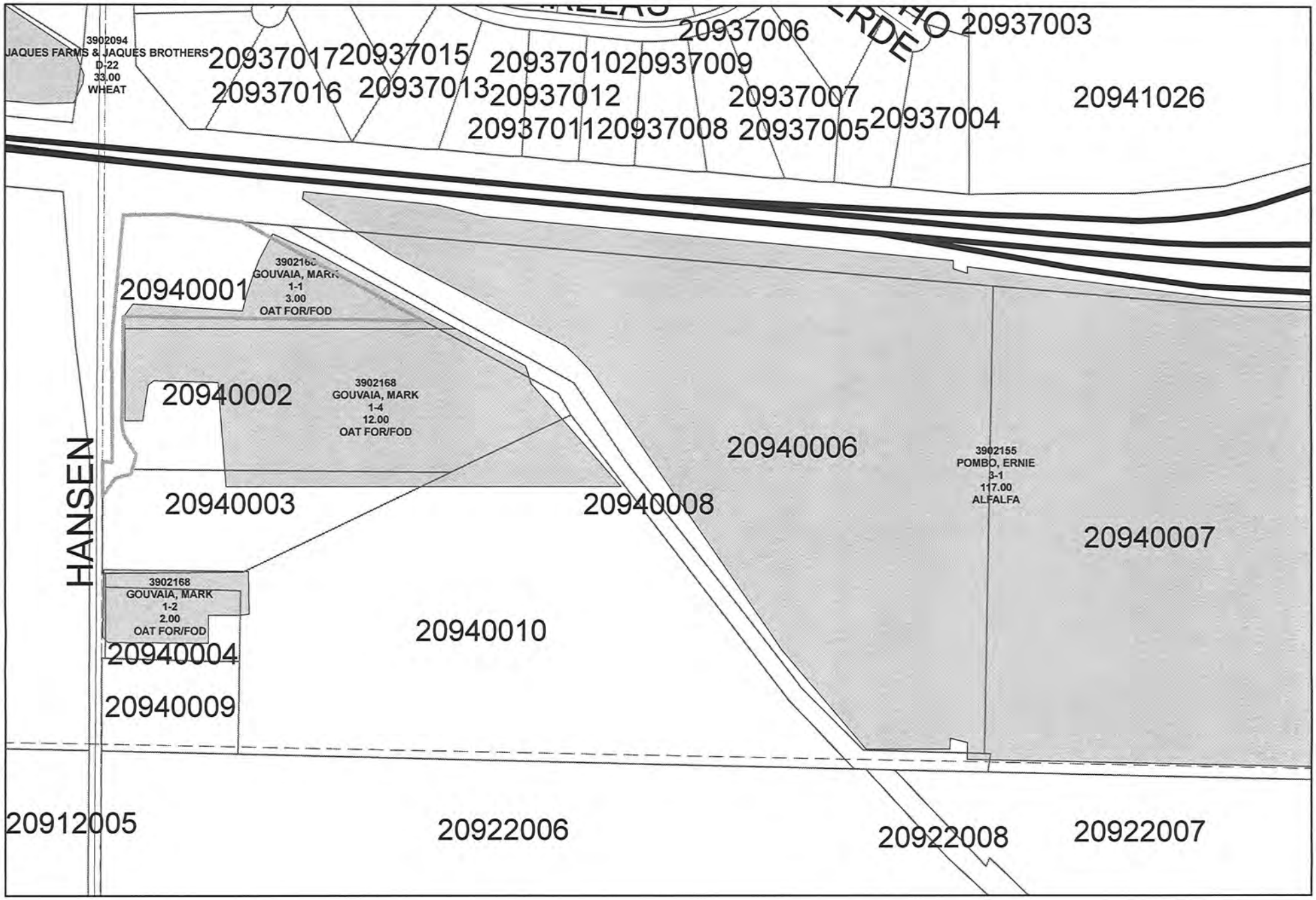


San Joaquin County
Agricultural Commissioner's Office

FILE #2233
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2010

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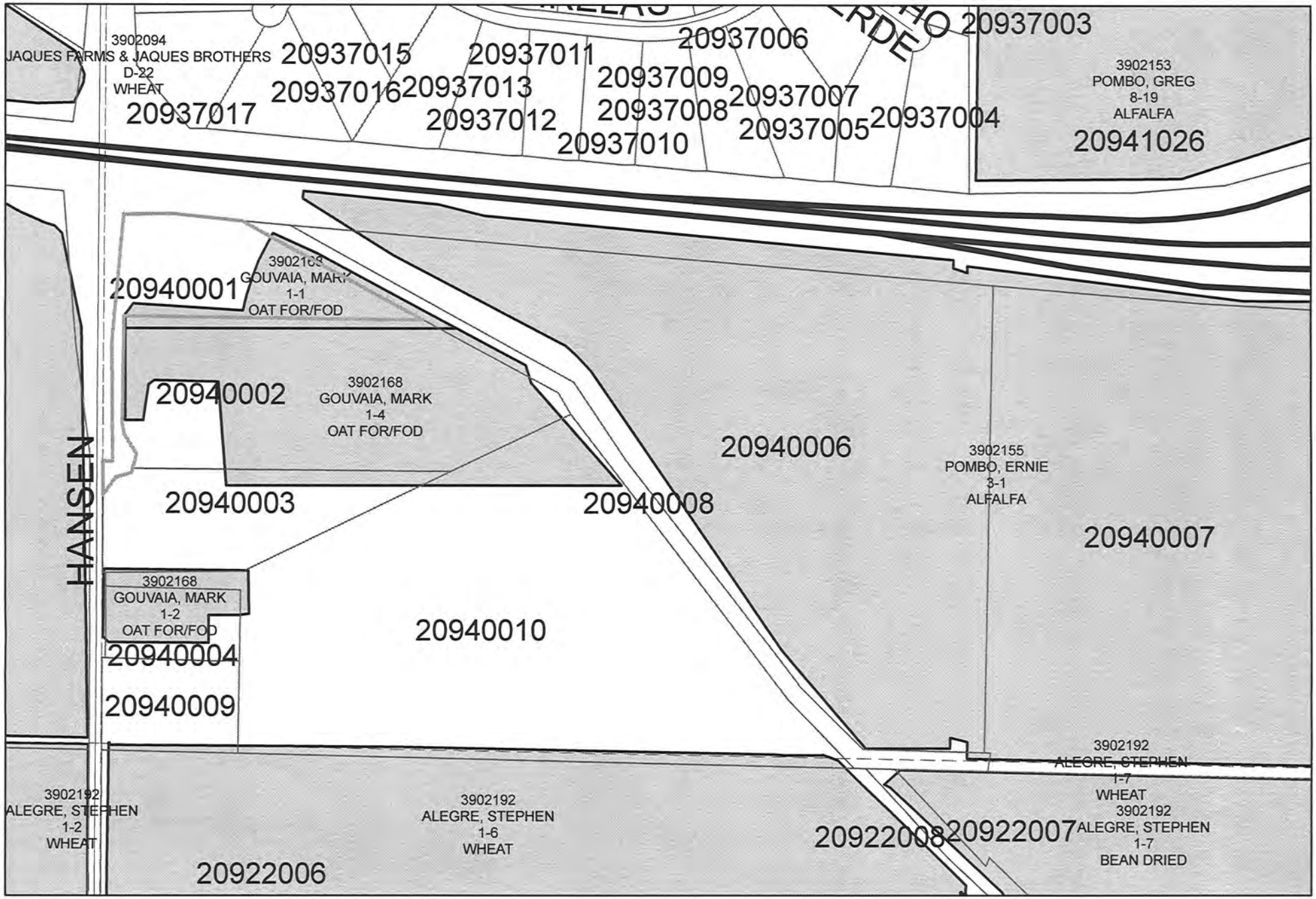


San Joaquin County
Agricultural Commissioner's Office

FILE #2233
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2009

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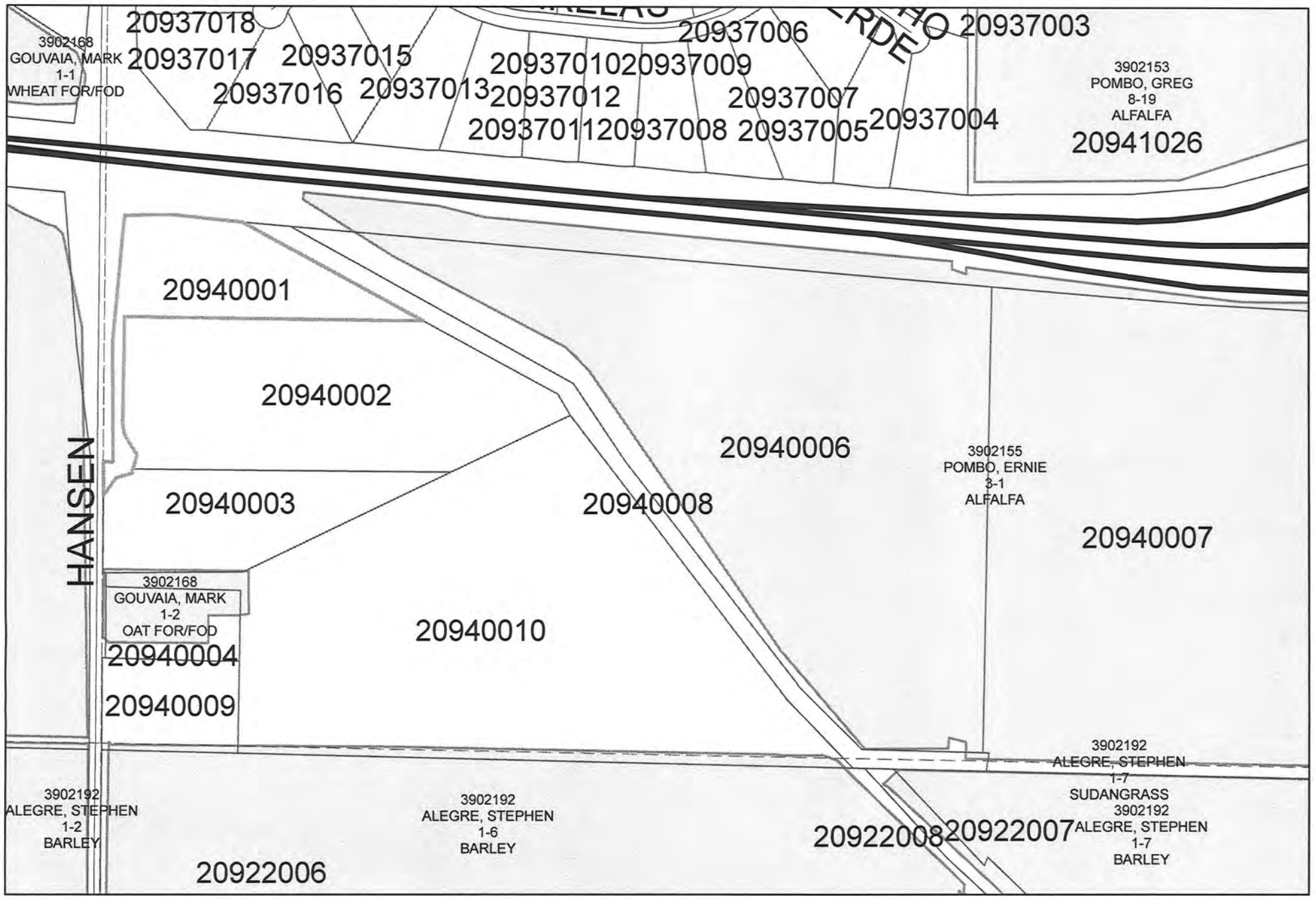


San Joaquin County
Agricultural Commissioner's Office

FILE #2233
APN: 20940001, 20940002, 20940003, 20940004, 20940009, 20940010

2008

N



5

STATE OF CALIFORNIA - ENVIRONMENTAL PROTECTION AGENCY
DEPARTMENT OF PESTICIDE REGULATION
PESTICIDE USE REPORT (33-025 Rev 3/90) PMIS 0033

Rec.# M10-APL-00202-1

( ) Nursery

County	Section	Township	Range	Base & Meridian	Method	Permittee / Customer	Applicator Name & Address
39	22	02S	04E	M	G	GOUVAIA	HFS Inc. P.O. BOX 1049 TRACY, CA 95378-1049
Operator Identification Number 39-10-3902168				Site Identification Number 1-1		Planted Area 3.00 ac	
Location S 1-205 E HANSEN * 10						Block ID GOU 1-1-J OAT	
Date / Time Applied Proposed: 03/06/10 1000 Actual: 03/06/10 1400				Area Treated Actual 3.00 ac		Commodity or Site Treated OAT FOR/FODDER	Crop ID 22006-0

Restricted Material	Chemical Number	Product and Manufacturer	Registration Number From Label	Total Formulated Product Used	Rate Per ac	Dilution Volume	
N	99006	AD WET J. R. SIMPLOT	7001-50516-AA	0.08 gal	3.20 0Z	10.00 gal	
Y	7863	RHOMENE MCPA BROADLEAF RHONE-POULENC	00228-00143-AA-71368	0.30 gal	13.00 0Z	10.00 gal	WEEDS
N	18554	SHARK EW FMC Corporation	279-3242	0.02 gal	1.00 0Z	10.00 gal	WEEDS

Days Reentry Until Dry	Days Preharvest	Application Supervised By
	30 day	Gary Del Carlo

Environmental Changes / Comments
NOI FAXED ON 03-03-10 @ 2:00!

Submitted By:	Date	Time	PCA Name		
Denis Della Nina	3/19/201	01:05 PM	Phillip Romena 4107		
Received By:	Box No.	Date	Time		Approved
					Denied

NW	N	NE
W	Target Area	E
SW	S	SE

RECEIVED
MAR 24 2010
AGR. COMM.-STOCKTON

STATE OF CALIFORNIA - ENVIRONMENTAL PROTECTION AGENCY

DEPARTMENT OF PESTICIDE REGULATION

PESTICIDE USE REPORT (33-025 Rev 3/90) PMIS 0033

Rec.# M10-APL-00202-2

( ) Nursery

County	Section	Township	Range	Base & Meridian	Method	Permittee / Customer	Applicator Name & Address
39	23	02S	04E	M	G	GOUVAIA	HFS Inc.
Operator Identification Number				Site Identification Number		Planted Area	P.O. BOX 1049
39-10-3902168				1-2		2.00 ac	TRACY, CA 95378-1049
Location						Block ID GOU 1-2-J OAT	
S I-205 E HANSEN * 10							
Date / Time Applied				Area Treated		Commodity or Site Treated	Crop ID
Proposed: 03/06/10 1000				Actual			
Actual: 03/06/10 1400				2.00 ac		OAT FOR/FODDER	22006-0

Restricted Material	Chemical Number	Product and Manufacturer	Registration Number From Label	Total Formulated Product Used	Rate Per ac	Dilution Volume	
N	99006	AD WET J. R. SIMPLOT	7001-50516-AA	0.05 gal	3.20 0Z	10.00 gal	
Y	7863	RHOMENE MCPA BROADLEAF RHONE-POULENC	00228-00143-AA-71368	0.20 gal	13.00 0Z	10.00 gal	WEEDS
N	18554	SHARK EW FMC Corporation	279-3242	0.02 gal	1.00 0Z	10.00 gal	WEEDS

Days Reentry Until Dry	Days Preharvest	Application Supervised By
	30 day	Gary Del Carlo

Environmental Changes / Comments
NOI FAXED ON 03-03-10 @ 2:00!

Submitted By:	Date	Time	PCA Name		
Denis Della Nina	3/19/201	01:05 PM	Phillip Romena 4107		
Received By:	Box No.	Date	Time		Approved
					Denied

NW	N	NE
W	Target Area	E
SW	S	SE

RECEIVED
MAR 24 2010
AGR. COMM.-STOCKTON

J

STATE OF CALIFORNIA - ENVIRONMENTAL PROTECTION AGENCY
DEPARTMENT OF PESTICIDE REGULATION
PESTICIDE USE REPORT (33-025 Rev 3/90) PMIS 0033

Rec.# M10-APL-00202-4

( ) Nursery

County	Section	Township	Range	Base & Meridian	Method	Permittee / Customer	Applicator Name & Address
39	22	02S	04E	M	G	GOUVAIA	HFS Inc.
Operator Identification Number				Site Identification Number		Planted Area	P.O. BOX 1049
39-10-3902168				1-4		12.00 ac	TRACY, CA 95378-1049
Location						Block ID GOU 1-4-J OAT	
S I-205 E HANSEN * 10							
Date / Time Applied				Area Treated		Commodity or Site Treated	Crop ID
Proposed: 03/06/10	1000			Actual			
Actual: 03/06/10	1400			12.00 ac		OAT FOR/FODDER	22006-0

Restricted Material	Chemical Number	Product and Manufacturer	Registration Number From Label	Total Formulated Product Used	Rate Per ac	Dilution Volume	
N	99006	AD WET J. R. SIMPLOT	7001-50516-AA	0.30 gal	3.20 0Z	10.00 gal	
Y	7863	RHOMENE MCPA BROADLEAF RHONE-POULENC	00228-00143-AA-71368	1.22 gal	13.00 0Z	10.00 gal	WEEDS
N	18554	SHARK EW FMC Corporation	279-3242	0.09 gal	1.00 0Z	10.00 gal	WEEDS

Days Reentry Until Dry	Days Preharvest	Application Supervised By
	30 day	Gary Del Carlo

Environmental Changes / Comments
NOI FAXED ON 03-03-10 @ 2:00!

Submitted By:	Date	Time	PCA Name	
Denis Della Nina	3/19/201	01:05 PM	Phillip Romena 4107	
Received By:	Box No.	Date	Time	Approved / Denied

NW	N	NE
W	Target Area	E
SW	S	SE

RECEIVED
MAR 24 2010
AGR. COMM.-STOCKTON

STATE OF CALIFORNIA

PRODUCTION AGRICULTURE MONTHLY PESTICIDE USE REPORT : MULTIPLE SITE/COMMODITY

PR-ENF-183 (EST. 10/91)

SEE INSTRUCTIONS ON THE REVERSE OF THIS FORM

RECEIVED
MAR 0 9 2009
AGR. COMM. TRACY

DEPARTMENT OF PESTICIDE REGULATION
PESTICIDE ENFORCEMENT BRANCH

№ 056129

1. MONTH	2. YEAR	3. NURSERY	4. COUNTY NO.
Feb.	2009	☐	J

5. SECTION	6. TOWNSHIP	7. RANGE	8. BASE & MERIDIAN	9. OPERATOR ID / PERMIT NO.	10. OPERATOR (GROWER)	11. ADDRESS	12. CITY	13. ZIP CODE
22, 23, 2	02 N, 03 S	04 E W	S M H	39-08-3902168	Mark Gouveia	24380 Hanson Rd	Tracy	95377

14. SITE IDENTIFICATION NUMBER	15. DATE AND TIME APPLICATION	16. COMMODITY / SITE TREATED	17. TOTAL PLANTED ACRES	18. TOTAL TREATED ACRES	19. APP. METHOD (CHECK ONE)	20. EPA / CALIF. REG. NO. FROM LABEL	21. TOTAL PRODUCT USED (CIRCLE ONE UNIT OF MEASURE)	22. RATE PER ACRE	23. DILUTION	24. DAYS REENTRY	25. MANUFACTURER / NAME OF PRODUCT
2-1	2-27-09	Oats	15	15	GR ☒ AIR ☐ OTHER ☐	228-143	15 LB OZ (PT) QT GA	1 Pt.	18 Gals Water	3	NuFarm mcPA-4 Amine
2-1	2-27-09	Oats	15	15	GR ☒ AIR ☐ OTHER ☐	279-3242	15 LB (OZ) PT QT GA	1 oz.	18 Gal Water	3	Fmc. Shark EW
1-1	2-27-09	Oats	3	3	GR ☒ AIR ☐ OTHER ☐	228-143	3 LB OZ (PT) QT GA	1 Pt.	18 Gal Water	3	NuFarm mcPA-4 Amine
1-1	2-27-09	Oats	3	3	GR ☒ AIR ☐ OTHER ☐	279-3242	8 LB (OZ) PT QT GA	8 oz	18 Gals Water	3	Fmc. Shark EW
1-2	2-27-09	Oats	2	2	GR ☒ AIR ☐ OTHER ☐	228-143	2 LB OZ (PT) QT GA	1 PT	18 Gals Water	3	NuFarm mcPA-4 Amine
1-2	2-27-09	Oats	2	2	GR ☒ AIR ☐ OTHER ☐	279-3242	2 LB (OZ) PT QT GA	1 oz	18 Gal Water	3	Fmc. Shark EW
1-4	2-27-09	Oats	12	12	GR ☒ AIR ☐ OTHER ☐	228-143	12 LB OZ (PT) QT GA	1 Pt.	18 Gal Water	3	NuFarm mcPA-4 Amine
1-4	2-27-09	Oats	12	12	GR ☒ AIR ☐ OTHER ☐	279-3242	12 LB (OZ) PT QT GA	1 oz	18 Gal Water	3	Fmc Shark EW
3-1	2-28-09	Oats	60	60	GR ☒ AIR ☐ OTHER ☐	228-143	60 LB OZ (PT) QT GA	1 PT	18 Gals Water	3	NuFarm mcPA-4 Amine
3-1	2-28-09	Oats	60	60	GR ☒ AIR ☐ OTHER ☐	279-3242	60 LB OZ (PT) QT GA	1 oz	18 Gal Water	3	Fmc. Shark E.W.

REPORT PREPARED BY _____ **DATE** _____

REVIEWED BY _____
FOR AGENCY USE ONLY

STATE OF CALIFORNIA

PRODUCTION AGRICULTURE MONTHLY PESTICIDE USE REPORT : MULTIPLE SITE/COMMODITY

PR-ENF-183 (EST. 10/91)

SEE INSTRUCTIONS ON THE REVERSE OF THIS FORM

RECEIVED
FEB 20 2008
AGR. COMM. TRACY

DEPARTMENT OF PESTICIDE REGULATION
PESTICIDE ENFORCEMENT BRANCH
NS 056128

1. MONTH	2. YEAR	3. ☐ NURSERY	4. COUNTY NO.
Feb.	2008		39

5. SECTION	6. TOWNSHIP N/S	7. RANGE E/W	8. BASE & MERIDIAN S (M) H	9. OPERATOR ID / PERMIT NO.	10. OPERATOR (GROWER)	11. ADDRESS	12. CITY	13. ZIP CODE
33, 32, 14				39-08-3902169	Mark Gouvaia	24380 Hansen Rd.	Tracy	95377

14. SITE IDENTIFICATION NUMBER	15. DATE AND TIME APPLICATION	16. COMMODITY / SITE TREATED	17. TOTAL PLANTED ACRES	18. TOTAL TREATED ACRES	19. APP. METHOD (CHECK ONE)	20. EPA / CALIF. REG. NO. FROM LABEL	21. TOTAL PRODUCT USED (CIRCLE ONE UNIT OF MEASURE)	22. RATE PER ACRE	23. DILUTION	24. DAYS REENTRY	25. MANUFACTURER / NAME OF PRODUCT
3-1	2/12/08	oats	43	43	GR ☑ AIR ☐ OTHER ☐	228-143	44 LB OZ (PT) QT GA	1 PT.	18Gal per AC.	3	nufarm mcPA-4 Amine
3-1	2/12/08	oats	43	43	GR ☑ AIR ☐ OTHER ☐	279-3242	43 LB (OZ) PT QT GA	1 oz	18Gal per AC.	3	Fmc Shark EW
1-3	2/12/08	wheat	8	8	GR ☑ AIR ☐ OTHER ☐	228-143	8 LB OZ (PT) QT GA	1 PT	18Gal	3	NuFarm mcPA-4 Amine
1-3	2/12/08	wheat	8	8	GR ☑ AIR ☐ OTHER ☐	279-3242	9 LB (OZ) PT QT GA	1 .02	18Gal	3	Fmc Shark EW
1-1	2/13/08	wheat	30	30	GR ☑ AIR ☐ OTHER ☐	228 143	30 LB OZ (PT) QT GA	1 PT.	18Gal	3	NuFarm mcPA-4 Amine
1-1	2/15/08	Wheat	30	30	GR ☐ AIR ☐ OTHER ☐	279-3242	30 LB (OZ) PT QT GA	1 oz.	18	3	Fmc Shark EW
1-2	2/15/08	Oat	2	2	GR ☑ AIR ☐ OTHER ☐	228-143	2 LB OZ (PT) QT GA	1 PT	19	3	NuFarm mcPA-4 Amine
1-2	2/15/08	Oat	2	2	GR ☑ AIR ☐ OTHER ☐	279-3242	2 LB (OZ) PT QT GA	1 oz	18	3	Fmc Shark EW
2-1	2/14/08	wheat	15	15	GR ☑ AIR ☐ OTHER ☐	228-143	15 LB OZ (PT) QT GA	1 PT	19	3	NUFARM mcPA-4 Amine
2-1	2/14/08	wheat	15	15	GR ☑ AIR ☐ OTHER ☐	279-3242	15 LB (OZ) PT QT GA	1 oz	18	3	Fmc Shark EW

REPORT PREPARED BY _____ **DATE** _____

REVIEWED BY _____
FOR AGENCY USE ONLY

GOUVAIA, MARK
(CALAG QUERY)
PESTICIDE USE 2008-2013

Permit #	Permitee	Site ID	Township	Range	Section	Application Date	Application Time	Commodity Code	Commodity	Planted Amount	Planted Units	EPA Reg No	Product Name	Quantity Used	Quantity Units	Treated Amount	Treated Units	Appl. Method
3902168	GOUVAIA, MARK	1-1	02S	04E	22	3/6/2010	1:40 AM	22006-0	OAT FOR/FOD	3.0000	ACRES	228-143-AA-71368	NUFARM RHOMENE MCPA BROADLEAF HERBICIDE	0.3000	Gallon	3.0000	ACRES	Air
3902168	GOUVAIA, MARK	1-1	02S	04E	22	3/6/2010	1:40 AM	22006-0	OAT FOR/FOD	3.0000	ACRES	279-3242-AA	SHARK EW	0.0200	Gallon	3.0000	ACRES	Air
3902168	GOUVAIA, MARK	1-1	02S	04E	22	3/6/2010	1:40 AM	22006-0	OAT FOR/FOD	3.0000	ACRES	7001-50516-AA	AD-WET	0.0800	Gallon	3.0000	ACRES	Air
3902168	GOUVAIA, MARK	1-2	02S	04E	23	3/6/2010	1:40 AM	22006-0	OAT FOR/FOD	2.0000	ACRES	228-143-AA-71368	NUFARM RHOMENE MCPA BROADLEAF HERBICIDE	0.2000	Gallon	2.0000	ACRES	Air
3902168	GOUVAIA, MARK	1-2	02S	04E	23	3/6/2010	1:40 AM	22006-0	OAT FOR/FOD	2.0000	ACRES	279-3242-AA	SHARK EW	0.0200	Gallon	2.0000	ACRES	Air
3902168	GOUVAIA, MARK	1-2	02S	04E	23	3/6/2010	1:40 AM	22006-0	OAT FOR/FOD	2.0000	ACRES	7001-50516-AA	AD-WET	0.0500	Gallon	2.0000	ACRES	Air
3902168	GOUVAIA, MARK	1-4	02S	04E	22	3/6/2010	1:40 AM	22006-0	OAT FOR/FOD	12.0000	ACRES	228-143-AA-71368	NUFARM RHOMENE MCPA BROADLEAF HERBICIDE	1.2200	Gallon	12.0000	ACRES	Air
3902168	GOUVAIA, MARK	1-4	02S	04E	22	3/6/2010	1:40 AM	22006-0	OAT FOR/FOD	12.0000	ACRES	279-3242-AA	SHARK EW	0.0900	Gallon	12.0000	ACRES	Air
3902168	GOUVAIA, MARK	1-4	02S	04E	22	3/6/2010	1:40 AM	22006-0	OAT FOR/FOD	12.0000	ACRES	7001-50516-AA	AD-WET	0.3000	Gallon	12.0000	ACRES	Air
3902168	GOUVAIA, MARK	1-1	02S	04E	22	1/25/2011	1:20 AM	22006-0	OAT FOR/FOD	3.0000	ACRES	228-143-AA	RIVERDALE MCPA-4 AMINE	0.3300	Gallon	3.0000	ACRES	Air
3902168	GOUVAIA, MARK	1-1	02S	04E	22	1/25/2011	1:20 AM	22006-0	OAT FOR/FOD	3.0000	ACRES	279-3242-AA	SHARK EW	0.0200	Gallon	3.0000	ACRES	Air
3902168	GOUVAIA, MARK	1-1	02S	04E	22	1/25/2011	1:20 AM	22006-0	OAT FOR/FOD	3.0000	ACRES	7001-50516-AA	AD-WET	0.0800	Gallon	3.0000	ACRES	Air
3902168	GOUVAIA, MARK	1-2	02S	04E	23	1/25/2011	1:20 AM	22006-0	OAT FOR/FOD	2.0000	ACRES	228-143-AA	RIVERDALE MCPA-4 AMINE	0.2200	Gallon	2.0000	ACRES	Air
3902168	GOUVAIA, MARK	1-2	02S	04E	23	1/25/2011	1:20 AM	22006-0	OAT FOR/FOD	2.0000	ACRES	279-3242-AA	SHARK EW	0.0200	Gallon	2.0000	ACRES	Air
3902168	GOUVAIA, MARK	1-2	02S	04E	23	1/25/2011	1:20 AM	22006-0	OAT FOR/FOD	2.0000	ACRES	7001-50516-AA	AD-WET	0.0500	Gallon	2.0000	ACRES	Air
3902168	GOUVAIA, MARK	1-4	02S	04E	22	1/25/2011	1:20 AM	22006-0	OAT FOR/FOD	12.0000	ACRES	228-143-AA	RIVERDALE MCPA-4 AMINE	1.3100	Gallon	12.0000	ACRES	Air
3902168	GOUVAIA, MARK	1-4	02S	04E	22	1/25/2011	1:20 AM	22006-0	OAT FOR/FOD	12.0000	ACRES	279-3242-AA	SHARK EW	0.0900	Gallon	12.0000	ACRES	Air
3902168	GOUVAIA, MARK	1-4	02S	04E	22	1/25/2011	1:20 AM	22006-0	OAT FOR/FOD	12.0000	ACRES	7001-50516-AA	AD-WET	0.3300	Gallon	12.0000	ACRES	Air
3902168	GOUVAIA, MARK	1-2	02S	04E	23	2/15/2008		22006-0	OAT FOR/FOD	2.0000	ACRES	228-143-AA	RIVERDALE MCPA-4 AMINE	2.0000	Pint	2.0000	ACRES	Ground
3902168	GOUVAIA, MARK	1-2	02S	04E	23	2/15/2008		22006-0	OAT FOR/FOD	2.0000	ACRES	279-3242-AA	SHARK EW	2.0000	Ounce	2.0000	ACRES	Ground
3902168	GOUVAIA, MARK	1-1	02S	04E	22	2/15/2008		22007-0	WHEAT FOR/FOD	32.0000	ACRES	228-143-AA	RIVERDALE MCPA-4 AMINE	30.0000	Pint	30.0000	ACRES	Ground
3902168	GOUVAIA, MARK	1-1	02S	04E	22	2/15/2008		22007-0	WHEAT FOR/FOD	32.0000	ACRES	279-3242-AA	SHARK EW	30.0000	Ounce	30.0000	ACRES	Ground

STATE OF CALIFORNIA - ENVIRONMENTAL PROTECTION AGENCY
DEPARTMENT OF PESTICIDE REGULATION
PESTICIDE USE REPORT (33-025 Rev 3/90) PMIS 0033

Rec.# M08-APL-00014-2

( ) Nursery

County	Section	Township	Range	Base & Meridian	Method
39	22	02S	04E	M	A

Operator Identification Number: 39-08-3902046
Site Identification Number: 4-2
Location: SE I-205 & PATTERSON PASS * 08

Permittee / Customer: HOLDENER RANCHES
Planted Area: 110.30 ac
Block ID HOLDENER 4-2-J OAT

Applicator Name & Address:
HFS Inc.
P.O. BOX 1049
TRACY, CA 95378-1049

Date / Time Applied		Area Treated	Commodity or Site Treated	Crop ID
Proposed: 01/11/08	3:20 pm	Actual		
Actual: 01/15/08	1:40 pm	110.00 ac	OAT FOR/FODDER	22006-0

Restricted Material	Chemical Number	Product and Manufacturer	Registration Number From Label	Total Formulated Product Used	Rate Per ac	Dilution Volume
N	8341	BUCTRIL 4EC RHONE-POULENC	00264-00540-AA-00000	7.73 gal	9.00 0Z	10.00 gal

Days Reentry: 48 hr
Days Preharvest: day
Application Supervised By: Gary Del Carlo

Enviromnental Changes / Comments

NW	N	NE
W	Target Area	E
SW	S	SE

Submitted By: Denis Della Nina
Date: 1/17/200
Time: 02:45 PM
PCA Name: Phillip Romena 4107

Received By:
Box No.
Date
Time
Approved
Denied

RECEIVED
JAN 2 2 2008
AGR. COMM. TRACY

STATE OF CALIFORNIA - ENVIRONMENTAL PROTECTION AGENCY

DEPARTMENT OF PESTICIDE REGULATION

PESTICIDE USE REPORT (33-025 Rev 3/90) PMIS 0033

Rec.# M08-APL-00014-1

( ) Nursery

County	Section	Township	Range	Base & Meridian	Method
39	21	02S	04E	M	A

Operator Identification Number: 39-08-3902046

Site Identification Number: 4-1

Location: SW I-205 & PATTERSON PASS * 08

Permittee / Customer: HOLDENER RANCHES

Planted Area: 168.00 ac

Block ID HOLDENER 4-1-J OAT

Applicator Name & Address: HFS Inc. P.O. BOX 1049 TRACY, CA 95378-1049

Date / Time Applied		Area Treated	Commodity or Site Treated	Crop ID
Proposed: 01/11/08	3:20 pm	Actual		
Actual: 01/15/08	1:40 pm	150.00 ac	OAT FOR/FODDER	22006-0

Restricted Material	Chemical Number	Product and Manufacturer	Registration Number From Label	Total Formulated Product Used	Rate Per ac	Dilution Volume
N	8341	BUCTRIL 4EC RHONE-POULENC	00264-00540-AA-00000	10.55 gal	9.00 0Z	10.00 gal

Days Reentry: 48 hr

Days Preharvest: day

Application Supervised By: Gary Del Carlo

Environmental Changes / Comments

NW	N	NE
W	Target Area	E
SW	S	SE

Submitted By: Denis Della Nina

Date: 1/17/200

Time: 02:45 PM

PCA Name: Phillip Romena 4107

Received By:

Box No.

Date

Time

Approved

Denied

RECEIVED

JAN 2 2 2008

AGR. COMM. TRACY

HOLDENER RANCHES
(CALAG QUERY)
PESTICIDE USE 2008-2013

Permit #	Permitee	Site ID	Township	Range	Section	Application Date	Application Time	Commodity Code	Commodity	Planted Amount	Planted Units	EPA Reg No	Product Name	Quantity Used	Quantity Units	Treated Amount	Treated Units	Appl. Method
3902046	HOLDENER RANCHES	4-2	02S	04E	22	1/15/2008	1:40 PM	22006-0	OAT FOR/FOD	110.3000	ACRES	264-540-AA	BUCTRIL 4 EC HERBICIDE	7.7300	Gallon	110.0000	ACRES	Air
3902046	HOLDENER RANCHES	4-1	02S	04E	21	1/15/2008	1:30 AM	22006-0	OAT FOR/FOD	168.0000	ACRES	264-540-AA	BUCTRIL 4 EC HERBICIDE	10.5500	Gallon	150.0000	ACRES	Air
3902046	HOLDENER RANCHES	4-1	02S	04E	21	2/20/2009		22006-0	OAT FOR/FOD	168.0000	ACRES	264-540-ZA	BUCTRIL 4EC HERBICIDE	7.5000	Gallon	120.0000	ACRES	Ground

SAN JOAQUIN COUNTY AGRICULTURAL COMMISSIONERS OFFICE
2101 E EARHART AVE, SUITE 100
STOCKTON, CA 95206
Office: (209) 953-6000 Fax: (209) 953-6022
Email: stocktonag2@sjgov.org Web: www.co.san-joaquin.ca.us/agcomm

2013

RESTRICTED MATERIALS PERMIT: 39-13-3902192

ORIGINAL

Operator: ALEGRE, STEPHEN
21763 S. LAMMERS RD.
TRACY, CA 95304

#~~3902192~~-2013-Version: 1
County District #: I
Issued on: 1-29-13 AA
Valid as of: 1-29-13 AA
Expires on: 12/31/2013

Agent: ALEGRE,STEPHEN

Primary Phone:
Alternate Phone:
Mobile Phone:
Fax:

CA

Type of Use: Agricultural Use
Pesticide Possession:
Permit Duration: Seasonal

Notices Of Intent required 24 hours prior to application of pesticide containing restricted materials

Permit Conditions: A, P, Q, B

See condition detail for code descriptions.

Regulatory Notes:

I understand that this permit does not relieve me from liability for any damages to any persons or property caused by the use of these pesticides. I waive any claims of liability for damages against the County Department of Agriculture based on the issuance of this permit. I further understand that this permit may be revoked when pesticides are used in conflict with the manufacturer's labeling or in violation of applicable laws, regulations, and specific conditions of this permit. I authorize inspection at all reasonable times and whenever an emergency exists by the Department of Pesticide Regulation or the County Department of Agriculture of all areas treated or to be treated, storage facilities for pesticides or emptied containers and equipment used or to be used in the treatment. I have considered alternative and mitigation measures pursuant to Title 3, California Code of Regulations, section 6426. Taking into account economic, environmental, social, and technological factors, I have adopted those that are feasible and would substantially lessen any significant adverse impact on the environment.

[Form PR-ENF-125 (Rev 11/06) Pesticide Enforcement Branch]

Applicant: Stephen M Alegre (Name & Title) Owner

Applicant Signature: [signature] Date: 1-29-13

Issuing Officer: [signature] Date: Jan 28, 2013

CONTACT LIST

Name	Auth Rep.	Phone	License	Expiration	Contact Type
ALEGRE,STEPHEN M			3900028	12/31/2012	Private Applicator Certificate
ALEGRE, STEPHEN			3902192		Grower-Permittee

PESTICIDES LIST

Number	Pesticide	Pests	Forms	Methods	Applicators
2000	DICAMBA	BROADLEAF WEEDS	All Reg.	Air/Ground	PCB/Operator
2300	DISULFOTON	APHIDS	All Reg.	Air/Ground	PCB/Operator
3830	METHOMYL	INSECTS	All Reg.	Air/Ground	PCB/Operator
3940	METHYL PARATHION	LARVAE	Liquid	Air/Ground	PCB/Operator
4780	PHORATE	APHIDS	All Reg.	Air/Ground	PCB/Operator
5540	STRYCHNINE	GOPHERS	All Reg.	Air/Ground	PCB/Operator
6260	ZINC PHOSPHIDE	RODENTS	Bait	Ground	PCB/Operator
7860	MCPA, DIMETHYLAMINE	BROADLEAF WEEDS	All Reg.	Air/Ground	PCB/Operator
8041	2,4-DB	BROADLEAF WEEDS	All Reg.	Air/Ground	PCB/Operator
9801	2,4-D AMINE	BROADLEAF WEEDS	All Reg.	Air/Ground	PCB/Operator
16011	PARAQUAT	WEEDS	All Reg.	Air/Ground	PCB/Operator
16890	METHIDATHION	LARVAE	All Reg.	Air/Ground	PCB/Operator

SITES LIST

Site	Location | Site Name Commodity Name/Code	Quantity	District	Section (MTRS)
1-7	E/HANSEN, N/SCHULTE		A	M02S04E26
	ALFALFA / 23001-0	90 ACRES		
Pesticide #s:	3830 (METHOMYL), 3940 (METHYL PARATHION), 5540 (STRYCHNINE), 8041 (2,4-DB), 16011 (PARAQUAT), 16890 (METHIDATHION)			
	SOIL FUM/PREPLT / 40008-0	90 ACRES		
Pesticide #s:	6260 (ZINC PHOSPHIDE), 9801 (2,4-D AMINE), 16011 (PARAQUAT)			
Conditions:	B - RM Use Near Schools, P - General, **Q** - Dicamba & Phenoxy Herbicide CV			
3-2	MAP 3 FIELD 2		I	M02S05E07
	ALFALFA / 23001-0	11.5 ACRES		
Pesticide #s:	3830 (METHOMYL), 3940 (METHYL PARATHION), 5540 (STRYCHNINE), 8041 (2,4-DB), 16011 (PARAQUAT), 16890 (METHIDATHION)			
	SOIL FUM/PREPLT / 40008-0	11.5 ACRES		
Pesticide #s:	6260 (ZINC PHOSPHIDE), 9801 (2,4-D AMINE), 16011 (PARAQUAT)			
Conditions:	B - RM Use Near Schools, P - General, Q - Dicamba & Phenoxy Herbicide CV			

3-1 MAP 3 FIELD 1 I M02S05E07

BARLEY / 29103-0 25 ACRES

Pesticide #s: 2000 (DICAMBA), 2300 (DISULFOTON), 3830 (METHOMYL), 4780 (PHORATE), 7860 (MCPA, DIMETHYLAMINE), 9801 (2,4-D AMINE), 16011 (PARAQUAT)

SOIL FUM/PREPLT / 40008-0 25 ACRES

Pesticide #s: 6260 (ZINC PHOSPHIDE), 9801 (2,4-D AMINE), 16011 (PARAQUAT)

Conditions: B - RM Use Near Schools, P - General, Q - Dicamba & Phenoxy Herbicide CV

2-4 N/BETHANY, S OLD RIVER I M02S04E02

BARLEY / 29103-0 39 ACRES

Pesticide #s: 2000 (DICAMBA), 2300 (DISULFOTON), 3830 (METHOMYL), 4780 (PHORATE), 7860 (MCPA, DIMETHYLAMINE), 9801 (2,4-D AMINE), 16011 (PARAQUAT)

FORAGE HAY/SLGE / 22000-0 39 ACRES

Pesticide #s: 2000 (DICAMBA), 3830 (METHOMYL), 7860 (MCPA, DIMETHYLAMINE), 9801 (2,4-D AMINE), 16011 (PARAQUAT)

OAT FOR/FOD / 22006-0 39 ACRES

Pesticide #s: 2000 (DICAMBA), 3830 (METHOMYL), 7860 (MCPA, DIMETHYLAMINE), 9801 (2,4-D AMINE), 16011 (PARAQUAT)

SOIL FUM/PREPLT / 40008-0 39 ACRES

Pesticide #s: 6260 (ZINC PHOSPHIDE), 9801 (2,4-D AMINE), 16011 (PARAQUAT)

Conditions: B - RM Use Near Schools, P - General, Q - Dicamba & Phenoxy Herbicide CV

3-3 I M02S05E18

BARLEY / 29103-0 41.48 ACRES

Pesticide #s: 2000 (DICAMBA), 2300 (DISULFOTON), 3830 (METHOMYL), 4780 (PHORATE), 7860 (MCPA, DIMETHYLAMINE), 9801 (2,4-D AMINE), 16011 (PARAQUAT)

OAT FOR/FOD / 22006-0 41.48 ACRES

Pesticide #s: 2000 (DICAMBA), 3830 (METHOMYL), 7860 (MCPA, DIMETHYLAMINE), 9801 (2,4-D AMINE), 16011 (PARAQUAT)

SOIL FUM/PREPLT / 40008-0 41.48 ACRES

Pesticide #s: 6260 (ZINC PHOSPHIDE), 9801 (2,4-D AMINE), 16011 (PARAQUAT)

Conditions: B - RM Use Near Schools, P - General, Q - Dicamba & Phenoxy Herbicide CV

2-1 N/BETHANY, S OLD RIVER I M02S04E02

FORAGE HAY/SLGE / 22000-0 70 ACRES

Pesticide #s: 2000 (DICAMBA), 3830 (METHOMYL), 7860 (MCPA, DIMETHYLAMINE), 9801 (2,4-D AMINE), 16011 (PARAQUAT)

SOIL FUM/PREPLT / 40008-0 70 ACRES

Pesticide #s: 6260 (ZINC PHOSPHIDE), 9801 (2,4-D AMINE), 16011 (PARAQUAT)

Conditions: B - RM Use Near Schools, P - General, Q - Dicamba & Phenoxy Herbicide CV

1-8 E/HANSEN, N/SCHULTE A M02S04E26

SOIL FUM/PREPLT / 40008-0 220 ACRES

Pesticide #s: 6260 (ZINC PHOSPHIDE), 9801 (2,4-D AMINE), 16011 (PARAQUAT)

Conditions: B - RM Use Near Schools, P - General, Q - Dicamba & Phenoxy Herbicide CV

1-2 E/MOUNTAINHOUSE,N/SCHULTE A M02S04E27

SOIL FUM/PREPLT / 40008-0 100 ACRES

Pesticide #s: 6260 (ZINC PHOSPHIDE), 9801 (2,4-D AMINE), 16011 (PARAQUAT)

Conditions: B - RM Use Near Schools, P - General, Q - Dicamba & Phenoxy Herbicide CV

1-2A	E/MOUNTAINHOUSE,N/SCHULTE	A	M02S04E27
	SOIL FUM/PREPLT / 40008-0 50 ACRES		
Pesticide #s:	6260 (ZINC PHOSPHIDE), 9801 (2,4-D AMINE), 16011 (PARAQUAT)		
Conditions:	B - RM Use Near Schools, P - General, Q - Dicamba & Phenoxy Herbicide CV		
1-3	E/MOUNTAINHOUSE,N/SCHULTE	A	M02S04E27
	SOIL FUM/PREPLT / 40008-0 309 ACRES		
Pesticide #s:	6260 (ZINC PHOSPHIDE), 9801 (2,4-D AMINE), 16011 (PARAQUAT)		
Conditions:	B - RM Use Near Schools, P - General, Q - Dicamba & Phenoxy Herbicide CV		
1-4	NE COR. MOUNTAINHOUSE/SCHULTE	A	M02S04E27
	SOIL FUM/PREPLT / 40008-0 129 ACRES		
Pesticide #s:	6260 (ZINC PHOSPHIDE), 9801 (2,4-D AMINE), 16011 (PARAQUAT)		
Conditions:	B - RM Use Near Schools, P - General, Q - Dicamba & Phenoxy Herbicide CV		
1-5	NE COR. HANSEN & SCHULTE	A	M02S04E26
	SOIL FUM/PREPLT / 40008-0 160 ACRES		
Pesticide #s:	6260 (ZINC PHOSPHIDE), 9801 (2,4-D AMINE), 16011 (PARAQUAT)		
Conditions:	B - RM Use Near Schools, P - General, Q - Dicamba & Phenoxy Herbicide CV		
1-6	E/HANSEN, N/SCHULTE	A	M02S04E26
	SOIL FUM/PREPLT / 40008-0 157 ACRES		
Pesticide #s:	6260 (ZINC PHOSPHIDE), 9801 (2,4-D AMINE), 16011 (PARAQUAT)		
Conditions:	B - RM Use Near Schools, P - General, Q - Dicamba & Phenoxy Herbicide CV		
ALL	W/HANSEN, N/SCHULTE	I	M02S04E27
	UNCUL NON-AG / 67000-0 50 ACRES		
Pesticide #s:	5540 (STRYCHNINE), 9801 (2,4-D AMINE), 16011 (PARAQUAT)		
Conditions:	B - RM Use Near Schools, P - General, Q - Dicamba & Phenoxy Herbicide CV		

OPERATION-WIDE CONDITIONS

A **Permit Cond.Table of Contents**

A - PERMIT CONDITIONS - TABLE OF CONTENTS

WORKERS SAFETY SERIES ATTACHED

[ ] A-1 through A-11 General Information

PERMIT CONDITONS ATTACHED
[X] B- RM Use Near Schools
[ ] O- Aluminum Phosphide in Rodent Burrows
[X] P - General
[ ] Q - Dicamba & Phenoxy Herbicides - Central Valley/Hazardous Area
[ ] R - Dicamba & Phenoxys - Special Hazardous Area
[ ] S - Metam Sodium, Metam Potassium, Dazomet
[ ] T - Aldicarb (Temik)
[ ] U - Endosulfan (Thiodan)
[ ] V - Rice Pesticides Program

[ ] - Attachments 1-5 Thiobencarb (Forms A,B)
[ ] W - Methyl Bromide / Sulfuryl Fluoride
[ ] - Soil within greenhouses
[ ] - Commodity
[ ] - Soil injection
[ ] - Tarped potting soil
[ ] - Single tree site
[ ] X - Furadan chemigation of grapes
[ ] Y - 1, 3 - Dichloropropene
[ ] Z - Other

GROUNDWATER PROTECTION PERMIT CONDITIONS

These conditions apply to pesticides labeled for agricultural, outdoor industrial, or outdoor institutional use that contain chemicals listed in 3CCR section 6800(a): ATRAZINE, SIMAZINE, BROMACIL, DIURON (except products with less than 7% diuron applied to foliage), PROMETON, BENTAZON, AND NORFLURAZON. Ground Water Protection Areas (GWPA), for San Joaquin County, are designated in the Department of Pesticide Regulation document EH03-05. A list of GWPAs may be obtained from the Commissioner's Office or DPR's website (www.cdpr.ca.gov/docs/gwp).

"Engineered rights of way" are defined as areas within a ground water protection area (GWPA) that are constructed in a way that results in increased runoff and collection of storm water, such as railroad ballasts and berms, public roadsides, and highway median strips or similar areas, but not canal or ditch banks or utility lines.

SPECIFIC GROUNDWATER PROTECTION PERMIT CONDITIONS ATTACHED

GWP-C & D Unlined canal and ditch banks
[ ] 1 - Percolation rate is less than or equal to 0.2 inches per hour
[ ] 2 - Applied six months prior to water run
[ ] 3 - All applications are prohibited below high water line

GWP-ROW Engineered rights-of-way within San Joaquin County GWPAs
[ ] 1A - Soil disturbance within 7 days
[ ] 1B - Incorporation
[ ] 1C - Applied between April 1 and July 31
[ ] 2 - Runoff passes through adjacent fully vegetated noncrop area
[ ] 3 - Compliance with NPDES permit
[ ] 4 - Runoff through adjacent area as overland flow

GWP-R Runoff GWPAs within San Joaquin County
[ ] 1 - Soil disturbance
[ ] 2 - Incorporated
[ ] 3 - Band treatment
[ ] 4 - Applied between April 1 and July 31
[ ] 5 - Runoff water held onsite
[ ] 6 - Runoff water stored offsite
[ ] 7 - Runoff to adjacent fallow field

GWP-L Leaching GWPAs within San Joaquin County
[ ] 1 - No irrigation
[ ] 2 - Bed or berm application
[ ] 3 - Managed irrigation

GWP-Director Director Approved Alternative Management Practices or Interim Use
[ ] 1 - Director approved alternative
[ ] 2 - Director approved interim use

Revised 11/11

P **General**

CONDITION - P - General

In addition to all applicable laws, regulations, label restrictions and other more restrictive conditions of this permit, THE FOLLOWING CONDITIONS APPLY TO APPLICATIONS COVERED BY THIS PERMIT.

1. Maximum wind velocities for applications of Restricted Materials unless otherwise covered by the label, law, regulation, other permit conditions or environmental conditions at the application site are:

a. Spray - 12 m.p.h.
b. Dust - 8 m.p.h.
c. Pellets, granular or baits - 16 m.p.h.

2. No pesticide application shall be made or continued when there is the likelihood of contaminating any persons, non-target crops, animals or other public or private property.

3. Unless specifically named as a dust on this permit, NO DUST FORMULATIONS are allowed.

4. Apply pesticides covered by SLN(s) and Section 18(s) in conformance with the SLN(s) and Section 18(s).

5. A flagger is required at the application site for all AIR applications of Zinc Phosphide bait.

Revised 10/90

Q Dicamba & Phenoxy Herbicide CV

CONDITION - Q - DICAMBA AND PHENOXY HERBICIDES - CENTRAL VALLEY/HAZARDOUS AREA

In addition to all applicable laws, regulations and label restrictions, the CONDITIONS CHECKED BELOW APPLY to applications covered by this permit.

[X] 1. No ester formulation applications allowed.

[ ] 2. A smoke column is required at the application site for all Phenoxy and Dicamba applications by aircraft beginning March 16 and continuing through October 15.

[X] 3. Do not discharge material more than 10 feet above the crop or target.

[ ] 4. A drift reducing agent shall be added to the spray mixture at label rates.

[X] 5. Maximum wind velocity for Phenoxy herbicides - 10 m.p.h.

[X] 6. Maximum wind velocity for Dicamba - 10 m.p.h. EXCEPT when wind is moving in direction of sensitive crops, the maximum wind velocity - 5 m.p.h.

[ ] 7. No Dicamba application allowed in the vicinity of sensitive crops when the maximum temperature on the day of application is predicted to exceed 85 degrees fahrenheit. Predicted temperature for the following day will be determined by the NOAA - National Weather Service.

[ ] 8. Dicamba applications by aircraft are restricted to a minimum distance of 2 miles from the following susceptible crops: beans, grapes, sunflower, tomato, safflower, curcurbits, potatoes.

[ ] 9. Dicamba applications by ground are restricted to a minimum distance of 20 feet from the following susceptible crops: beans, safflower, tomato, curcurbits, potatoes and 1/4 mile from grapes and sunflowers.

[X] 10. No Dicamba or Phenoxy herbicide applications allowed beginning March 16 and continuing through October 15, and until grape leaves in the vicinity of the treated area are "browned off".

Revised 10/90

B **RM Use Near Schools**

RESTRICTED MATERIALS USE NEAR SCHOOLS

No applications of Restricted Materials shall be made by air or ground within 660 feet of a school in session or when a school sponsored event is in progress. If the pesticide label or regulation requires a larger buffer area, the larger buffer shall apply. There will be no waiver of the required 24 hour Notice of Intent.

These conditions do not apply to the following ground applications:
1.Vertebrate pest control
2.Back-pack applications
3.Equipment where all nozzles are pointing down AND wind direction is periodically measured as moving away from the school site
4.Other CAC approved methods

NOTE: The uses of soil fumigants and their corresponding buffer zones are covered by DPR suggested permit conditions or by label.

SITE CONDITIONS

B **RM Use Near Schools**

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Revised 10/90

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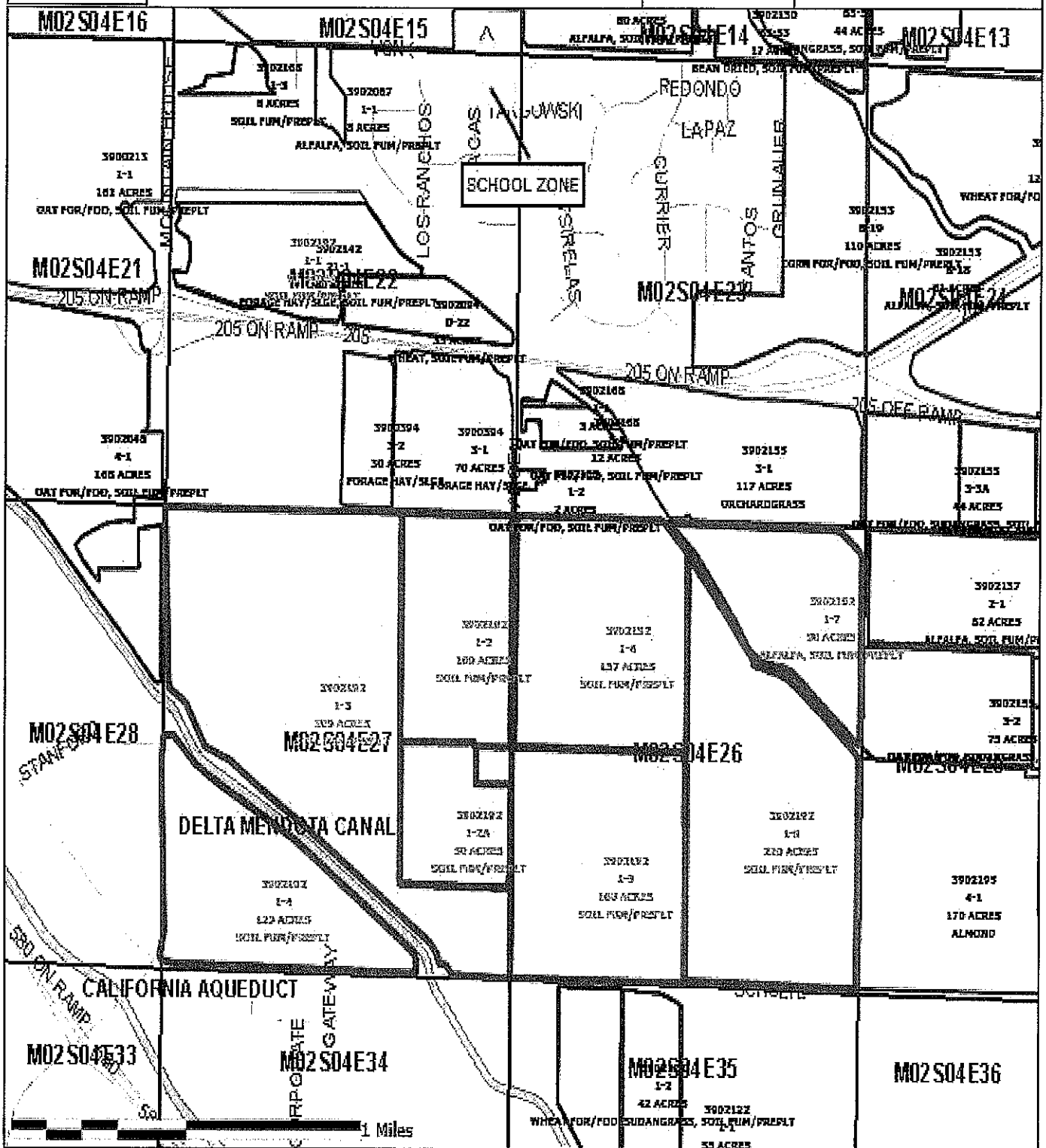
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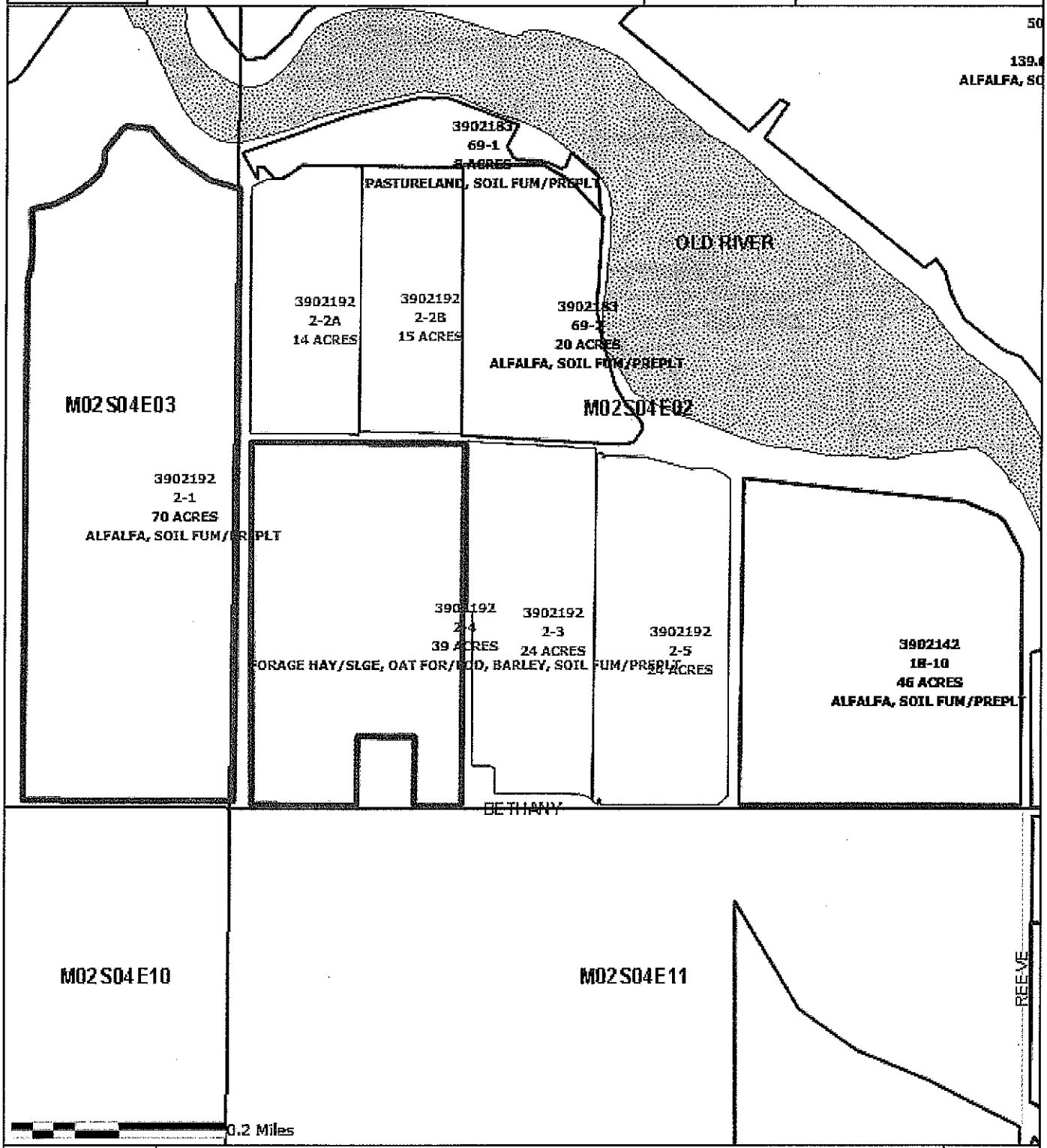
Revised 10/90

San Joaquin County	Permit Number:	3902192
MAP 1	Created On:	1/28/2013
N OF SCHULTE E OF MOUNTAIN HOUSE S OF 205 SITES 1-1, 1-2, 1-3, 1-4, 1-5, 1-6, 1-7, 1-8, 1-9	Operator:	ALEGRE, STEPHEN



Included Sites:	1-1, 1-2, 1-2A, 1-3, 1-4, 1-5, 1-6, 1-7, 1-8

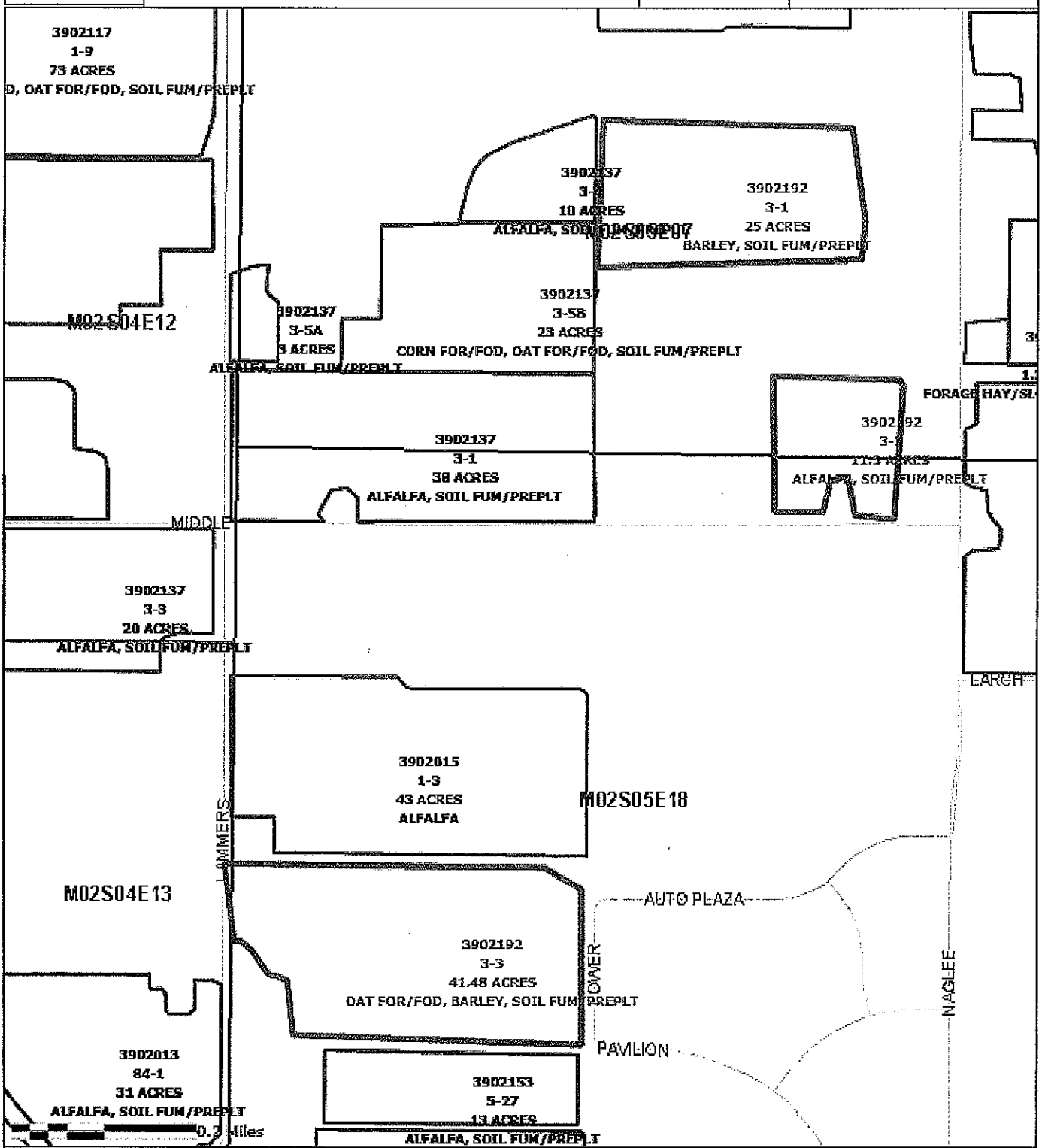
San Joaquin County	Permit Number:	3902192
MAP 2	Created On:	3/2/2012
N OF BETHANY W OF REEVE @ OLD RIVER SITES 2-1, 2-4	Operator:	ALEGRE, STEPHEN



Included Sites:	2-1, 2-4

N
W E
S

San Joaquin County	Permit Number:	3902192
MAP 3	Created On:	3/2/2012
W OF LAMMER AT MIDDLE SITES 3-1, 3-2, 3-3	Operator:	ALEGRE, STEPHEN



Included Sites:	3-1, 3-2, 3-3

N
W E
S

FCP

SAN JOAQUIN COUNTY AGRICULTURAL COMMISSIONERS OFFICE
2101 E EARHART AVE, SUITE 100
STOCKTON, CA 95206
Office: (209) 953-6000 Fax: (209) 953-6022
Email: stocktonag2@sjgov.org Web: www.co.san-joaquin.ca.us/agcomm

2012

ORIGINAL

RESTRICTED MATERIALS PERMIT: 39-12-3902192

Operator: ALEGRE, STEPHEN
21763 S. LAMMERS RD.
TRACY, CA 95304

Attention: ALEGRE,STEPHEN

CA

3902192-2012-Version: 1
County District #: I
Issued on: 2/17/12
Valid as of: 3/14/2012
Expires on: 12/31/2012

Home Phone:
Office Phone:
Mobile Phone:
Fax:

Type of Use: Agricultural Use
Pesticide Possession:
Permit Duration: Seasonal

Notices Of Intent required 24 hours prior to application of pesticide containing restricted materials

Conditions: A, P, Q

See condition detail for code descriptions.

Regulatory Notes:

I understand that this permit does not relieve me from liability for any damages to any persons or property caused by the use of these pesticides. I waive any claims of liability for damages against the County Department of Agriculture based on the issuance of this permit. I further understand that this permit may be revoked when pesticides are used in conflict with the manufacturer's labeling or in violation of applicable laws, regulations, and specific conditions of this permit. I authorize inspection at all reasonable times and whenever an emergency exists by the Department of Pesticide Regulation or the County Department of Agriculture of all areas treated or to be treated, storage facilities for pesticides or emptied containers and equipment used or to be used in the treatment. I have considered alternative and mitigation measures pursuant to Title 3, California Code of Regulations, section 6426. Taking into account economic, environmental, social, and technological factors, I have adopted those that are feasible and would substantially lessen any significant adverse impact on the environment.

[Form PR-ENF-125 (Rev 11/06) Pesticide Enforcement Branch]

Applicant: Stephen M Alegre Owner
(Name & Title)

Applicant Signature: _____ Date: 3-14-12

Issuing Officer: _____ Date: 3/2/2012

CONTACT LIST

Name	Auth Rep.	Phone	License	Expiration	Contact Type
ALEGRE,STEPHEN M			3900028	12/31/2012	Private Applicator Certificate
ALEGRE, STEPHEN			3902192		Grower-Permittee

PESTICIDES LIST

Number	Pesticide	Pests	Forms	Methods	Applicators
1050	CARBARYL	INSECTS	All Reg.	Air/Ground	PCB/Operator
1060	CARBOFURAN	LARVAE	All Reg.	Air/Ground	PCB/Operator
2000	DICAMBA	BROADLEAF WEEDS	All Reg.	Air/Ground	PCB/Operator
2300	DISULFOTON	APHIDS	All Reg.	Air/Ground	PCB/Operator
3830	METHOMYL	INSECTS	All Reg.	Air/Ground	PCB/Operator
3940	METHYL PARATHION	LARVAE	Liquid	Air/Ground	PCB/Operator
4780	PHORATE	APHIDS	All Reg.	Air/Ground	PCB/Operator
5540	STRYCHNINE	GOPHERS	All Reg.	Air/Ground	PCB/Operator
6260	ZINC PHOSPHIDE	RODENTS	Bait	Ground	PCB/Operator
7860	MCPA, DIMETHYLAMINE	BROADLEAF WEEDS	All Reg.	Air/Ground	PCB/Operator
8041	2,4-DB	BROADLEAF WEEDS	All Reg.	Air/Ground	PCB/Operator
9801	2,4-D AMINE	BROADLEAF WEEDS	All Reg.	Air/Ground	PCB/Operator
16011	PARAQUAT	WEEDS	All Reg.	Air/Ground	PCB/Operator
16890	METHIDATHION	LARVAE	All Reg.	Air/Ground	PCB/Operator
99999	NON-PERMIT AG PROD	ALL PESTS	All Reg.	Air/Ground	PCB/Operator

SITES LIST

Site	Location Commodity Name/Code	Quantity	Pesticide #s	District	Section (MTRS)
1-7	E/HANSEN, N/SCHULTE			A	M02S04E26
	ALFALFA / 23001-0	90 ACRES	3830 (METHOMYL), 3940 (METHYL PARATHION), 5540 (STRYCHNINE), 8041 (2,4-DB), 16011 (PARAQUAT), 16890 (METHIDATHION)		
	SOIL FUM/PREPLT / 40008-0	90 ACRES	6260 (ZINC PHOSPHIDE), 9801 (2,4-D AMINE), 16011 (PARAQUAT)		
Conditions:	P - General, Q - Dicamba & Phenoxy Herbicide CV				
2-1	N/BETHANY, S OLD RIVER			I	M02S04E02
	ALFALFA / 23001-0	70 ACRES	3830 (METHOMYL), 3940 (METHYL PARATHION), 5540 (STRYCHNINE), 8041 (2,4-DB), 16011 (PARAQUAT), 16890 (METHIDATHION)		
	SOIL FUM/PREPLT / 40008-0	70 ACRES	6260 (ZINC PHOSPHIDE), 9801 (2,4-D AMINE), 16011 (PARAQUAT)		
Conditions:	P - General, Q - Dicamba & Phenoxy Herbicide CV				

3-2	MAP 3 FIELD 2		I	M02S05E07
	ALFALFA / 23001-0	11.5 ACRES	3830 (METHOMYL), 3940 (METHYL PARATHION), 5540 (STRYCHNINE), 8041 (2,4-DB), 16011 (PARAQUAT), 16890 (METHIDATHION)	
	SOIL FUM/PREPLT / 40008-0	11.5 ACRES	6260 (ZINC PHOSPHIDE), 9801 (2,4-D AMINE), 16011 (PARAQUAT)	
Conditions:	P - General, Q - Dicamba & Phenoxy Herbicide CV			
3-1	MAP 3 FIELD 1		I	M02S05E07
	BARLEY / 29103-0	25 ACRES	2000 (DICAMBA), 2300 (DISULFOTON), 3830 (METHOMYL), 4780 (PHORATE), 7860 (MCPA, DIMETHYLAMINE), 9801 (2,4-D AMINE), 16011 (PARAQUAT)	
	SOIL FUM/PREPLT / 40008-0	25 ACRES	6260 (ZINC PHOSPHIDE), 9801 (2,4-D AMINE), 16011 (PARAQUAT)	
Conditions:	P - General, Q - Dicamba & Phenoxy Herbicide CV			
2-4	N/BETHANY, S OLD RIVER		I	M02S04E02
	BARLEY / 29103-0	39 ACRES	2000 (DICAMBA), 2300 (DISULFOTON), 3830 (METHOMYL), 4780 (PHORATE), 7860 (MCPA, DIMETHYLAMINE), 9801 (2,4-D AMINE), 16011 (PARAQUAT)	
	FORAGE HAY/SLGE / 22000-0	39 ACRES	3830 (METHOMYL), 9801 (2,4-D AMINE), 16011 (PARAQUAT)	
	OAT FOR/FOD / 22006-0	39 ACRES	2000 (DICAMBA), 3830 (METHOMYL), 7860 (MCPA, DIMETHYLAMINE), 9801 (2,4-D AMINE), 16011 (PARAQUAT)	
	SOIL FUM/PREPLT / 40008-0	39 ACRES	6260 (ZINC PHOSPHIDE), 9801 (2,4-D AMINE), 16011 (PARAQUAT)	
Conditions:	P - General, Q - Dicamba & Phenoxy Herbicide CV			
3-3			I	M02S05E18
	BARLEY / 29103-0	41.48 ACRES	2000 (DICAMBA), 2300 (DISULFOTON), 3830 (METHOMYL), 4780 (PHORATE), 7860 (MCPA, DIMETHYLAMINE), 9801 (2,4-D AMINE), 16011 (PARAQUAT)	
	OAT FOR/FOD / 22006-0	41.48 ACRES	2000 (DICAMBA), 3830 (METHOMYL), 7860 (MCPA, DIMETHYLAMINE), 9801 (2,4-D AMINE), 16011 (PARAQUAT)	
	SOIL FUM/PREPLT / 40008-0	41.48 ACRES	6260 (ZINC PHOSPHIDE), 9801 (2,4-D AMINE), 16011 (PARAQUAT)	
Conditions:	P - General, Q - Dicamba & Phenoxy Herbicide CV			
1-8	E/HANSEN, N/SCHULTE		A	M02S04E26
	SOIL FUM/PREPLT / 40008-0	220 ACRES	6260 (ZINC PHOSPHIDE), 9801 (2,4-D AMINE), 16011 (PARAQUAT)	
Conditions:	P - General, Q - Dicamba & Phenoxy Herbicide CV			
1-1	JAQUES FARMS SE COR. VON SOSTEN/MOUNTAINHOU		I	M02S04E22
	SOIL FUM/PREPLT / 40008-0	90 ACRES	6260 (ZINC PHOSPHIDE), 9801 (2,4-D AMINE), 16011 (PARAQUAT)	
Conditions:	P - General, Q - Dicamba & Phenoxy Herbicide CV			

1-2	E/MOUNTAINHOUSE,N/SCHULTE		A	M02S04E27
	SOIL FUM/PREPLT / 40008-0	100 ACRES	6260 (ZINC PHOSPHIDE), 9801 (2,4-D AMINE), 16011 (PARAQUAT)	
Conditions:	P - General, Q - Dicamba & Phenoxy Herbicide CV			
1-2A	E/MOUNTAINHOUSE,N/SCHULTE		A	M02S04E27
	SOIL FUM/PREPLT / 40008-0	50 ACRES	6260 (ZINC PHOSPHIDE), 9801 (2,4-D AMINE), 16011 (PARAQUAT)	
Conditions:	P - General, Q - Dicamba & Phenoxy Herbicide CV			
1-3	E/MOUNTAINHOUSE,N/SCHULTE		A	M02S04E27
	SOIL FUM/PREPLT / 40008-0	309 ACRES	6260 (ZINC PHOSPHIDE), 9801 (2,4-D AMINE), 16011 (PARAQUAT)	
Conditions:	P - General, Q - Dicamba & Phenoxy Herbicide CV			
1-4	NE COR. MOUNTAINHOUSE/SCHULTE		A	M02S04E27
	SOIL FUM/PREPLT / 40008-0	129 ACRES	6260 (ZINC PHOSPHIDE), 9801 (2,4-D AMINE), 16011 (PARAQUAT)	
Conditions:	P - General, Q - Dicamba & Phenoxy Herbicide CV			
1-5	NE COR. HANSEN & SCHULTE		A	M02S04E26
	SOIL FUM/PREPLT / 40008-0	160 ACRES	6260 (ZINC PHOSPHIDE), 9801 (2,4-D AMINE), 16011 (PARAQUAT)	
Conditions:	P - General, Q - Dicamba & Phenoxy Herbicide CV			
1-6	E/HANSEN, N/SCHULTE		A	M02S04E26
	SOIL FUM/PREPLT / 40008-0	157 ACRES	6260 (ZINC PHOSPHIDE), 9801 (2,4-D AMINE), 16011 (PARAQUAT)	
Conditions:	P - General, Q - Dicamba & Phenoxy Herbicide CV			
ALL	W/HANSEN, N/SCHULTE		I	M02S04E27
	UNCUL NON-AG / 67000-0	50 ACRES	5540 (STRYCHNINE), 9801 (2,4-D AMINE), 16011 (PARAQUAT)	
Conditions:	P - General			

OPERATION-WIDE CONDITIONS

A **Permit Cond.Table of Contents**

A - PERMIT CONDITIONS - TABLE OF CONTENTS

WORKERS SAFETY SERIES ATTACHED

[ ] A-1 through A-11 General Information

PERMIT CONDITONS ATTACHED
[ ] O- Aluminum Phosphide in Rodent Burrows
[X] P - General
[ ] Q - Dicamba & Phenoxy Herbicides - Central Valley/Hazardous Area
[ ] R - Dicamba & Phenoxys - Special Hazardous Area
[ ] S - Metam Sodium, Metam Potassium, Dazomet
[ ] T - Aldicarb (Temik)
[ ] U - Endosulfan (Thiodan)

APPLICATION - RESTRICTED MATERIALS PERMIT - SUPPLEMENT

PERMIT NO. 3902192

Alegre, Stephen

PAGE NO. 1

LOCATION	SEC	TWN	RNG	MAP ID	COMMODITY	ACRES/ UNITS	PESTICIDES	PESTS	F*	M**	RATE	DILUTION/ VOLUME	APPL	DATE/ TIMING
7. 2-1	02	25	4E	2	Forage Hay/	70	Use same materials as							
8.							on other forage sites							
9.							on permit							
10. 2-1					Alfalfa	70	Remove from site							
11.														
12.														
13.														
14.														
15.														
16.														
17.														
18.														
19.														
20.														
21.														
22.														
23.														
24.														
25.														
26.														
27.														
28.														
29.														
30.														
31.														

*Formulation: L--Liquid B--Bait D--Dust F--Fumigant G--Granules WP--Wettable Powder O--Other

**Method: A--Air F--Fumigation Gr--Ground O--Other

APPLICANT SIGNATURE _____ DATE 3-28-12

ISSUED BY _____ DATE 3/28/12

DISTRIBUTION: WHITE & YELLOW - COUNTY AGRICULTURAL COMMISSIONER; PINK & GOLD - PERMITTEE

OSP 08 106950

STATE OF CALIFORNIA
DEPARTMENT OF PESTICIDE REGULATION
PR-ENF-125A (REV. 10/07) Page 1 of 1

[ ] V - Rice Pesticides Program
[ ] - Attachments 1-5 Thiobencarb (Forms A,B)
[ ] W - Methyl Bromide / Sulfuryl Fluoride
[ ] - Soil within greenhouses
[ ] - Commodity
[ ] - Soil injection
[ ] - Tarped potting soil
[ ] - Single tree site
[ ] X - Furadan chemigation of grapes
[ ] Y - 1, 3 - Dichloropropene
[ ] Z - Other

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Revised 11/11

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Revised 10/90

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In addition to all applicable laws, regulations and label restrictions, the CONDITIONS CHECKED BELOW APPLY to applications covered by this permit.

[X] 1. No ester formulation applications allowed.

[ ] 2. A smoke column is required at the application site for all Phenoxy and Dicamba applications by aircraft beginning March 16 and continuing through October 15.

[X] 3. Do not discharge material more than 10 feet above the crop or target.

[ ] 4. A drift reducing agent shall be added to the spray mixture at label rates.

[X] 5. Maximum wind velocity for Phenoxy herbicides - 10 m.p.h.

[X] 6. Maximum wind velocity for Dicamba - 10 m.p.h. EXCEPT when wind is moving in direction of sensitive crops, the maximum wind velocity - 5 m.p.h.

[ ] 7. No Dicamba application allowed in the vicinity of sensitive crops when the maximum temperature on the day of application is predicted to exceed 85 degrees fahrenheit. Predicted temperature for the following day will be determined by the NOAA - National Weather Service.

[ ] 8. Dicamba applications by aircraft are restricted to a minimum distance of 2 miles from the following susceptible crops: beans, grapes, sunflower, tomato, safflower, curcurbits, potatoes.

[ ] 9. Dicamba applications by ground are restricted to a minimum distance of 20 feet from the following susceptible crops: beans, safflower, tomato, curcurbits, potatoes and 1/4 mile from grapes and sunflowers.

[ ] 10. No Dicamba or Phenoxy herbicide applications allowed beginning March 16 and continuing through October 15, and until grape leaves in the vicinity of the treated area are "browned off".

Revised 10/90

SITE CONDITIONS

P **General**

CONDITION - P - General

In addition to all applicable laws, regulations, label restrictions and other more restrictive conditions of this permit, THE FOLLOWING CONDITIONS APPLY TO APPLICATIONS COVERED BY THIS PERMIT.

1. Maximum wind velocities for applications of Restricted Materials unless otherwise covered by the label, law, regulation, other permit conditions or environmental conditions at the application site are:

a. Spray - 12 m.p.h.
b. Dust - 8 m.p.h.
c. Pellets, granular or baits - 16 m.p.h.

2. No pesticide application shall be made or continued when there is the likelihood of contaminating any persons, non-target crops, animals or other public or private property.

3. Unless specifically named as a dust on this permit, NO DUST FORMULATIONS are allowed.

4. Apply pesticides covered by SLN(s) and Section 18(s) in conformance with the SLN(s) and Section 18(s).

5. A flagger is required at the application site for all AIR applications of Zinc Phosphide bait.

Revised 10/90

Q **Dicamba & Phenoxy Herbicide CV**

CONDITION - Q - DICAMBA AND PHENOXY HERBICIDES - CENTRAL VALLEY/HAZARDOUS AREA

In addition to all applicable laws, regulations and label restrictions, the CONDITIONS CHECKED BELOW APPLY to applications covered by this permit.

[X] 1. No ester formulation applications allowed.

[ ] 2. A smoke column is required at the application site for all Phenoxy and Dicamba applications by aircraft beginning March 16 and continuing through October 15.

[X] 3. Do not discharge material more than 10 feet above the crop or target.

[ ] 4. A drift reducing agent shall be added to the spray mixture at label rates.

[X] 5. Maximum wind velocity for Phenoxy herbicides - 10 m.p.h.

[X] 6. Maximum wind velocity for Dicamba - 10 m.p.h. EXCEPT when wind is moving in direction of sensitive crops, the maximum wind velocity - 5 m.p.h.

[ ] 7. No Dicamba application allowed in the vicinity of sensitive crops when the maximum temperature on the day of application is predicted to exceed 85 degrees fahrenheit. Predicted temperature for the following day will be determined by the NOAA - National Weather Service.

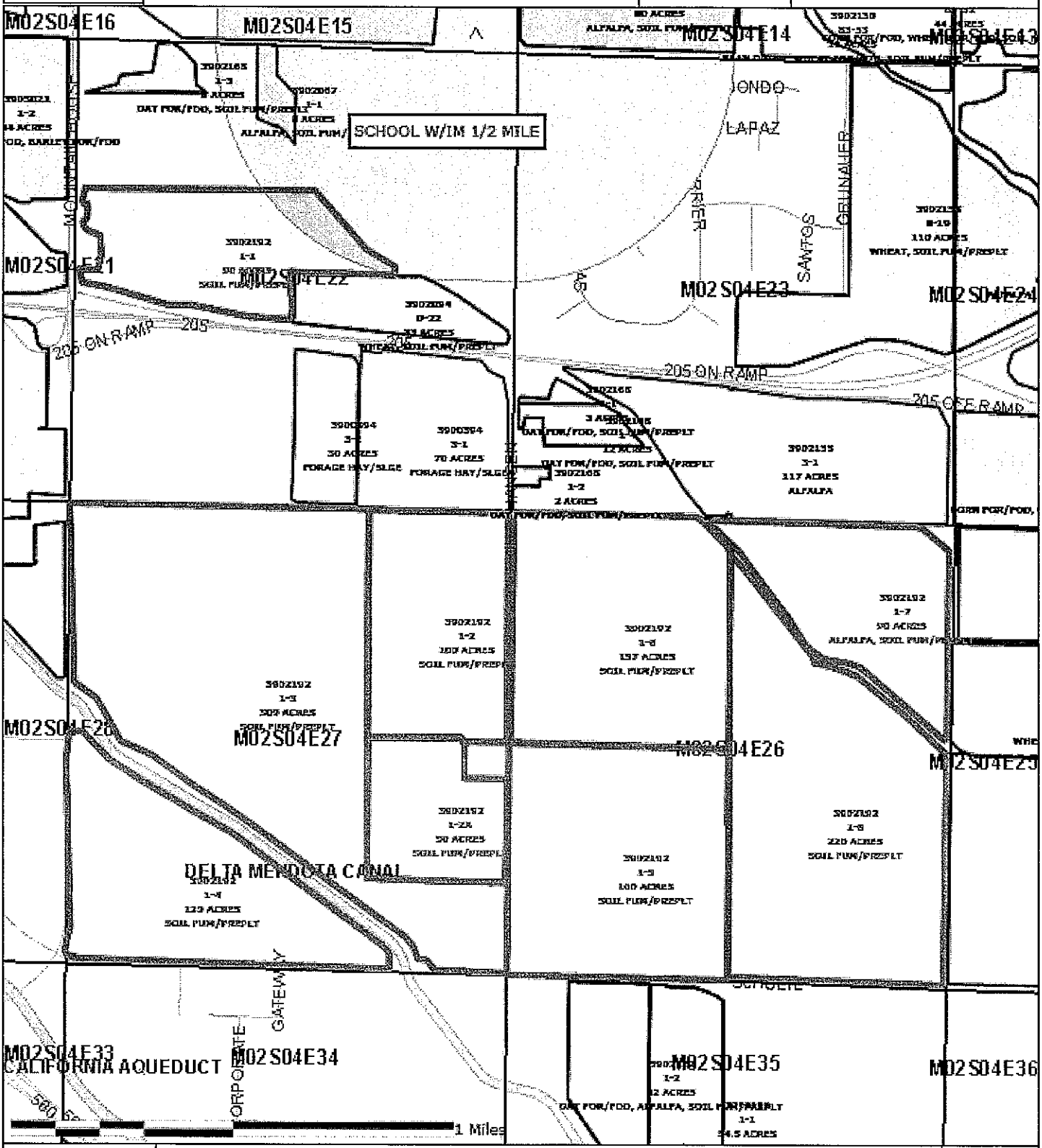
[ ] 8. Dicamba applications by aircraft are restricted to a minimum distance of 2 miles from the following susceptible crops: beans, grapes, sunflower, tomato,
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[ ] 9. Dicamba applications by ground are restricted to a minimum distance of 20 feet from the following susceptible crops: beans, safflower, tomato, curcurbits,
potatoes and 1/4 mile from grapes and sunflowers.

[ ] 10. No Dicamba or Phenoxy herbicide applications allowed beginning March 16 and continuing through October 15, and until grape leaves in the vicinity of the treated area are "browned off".

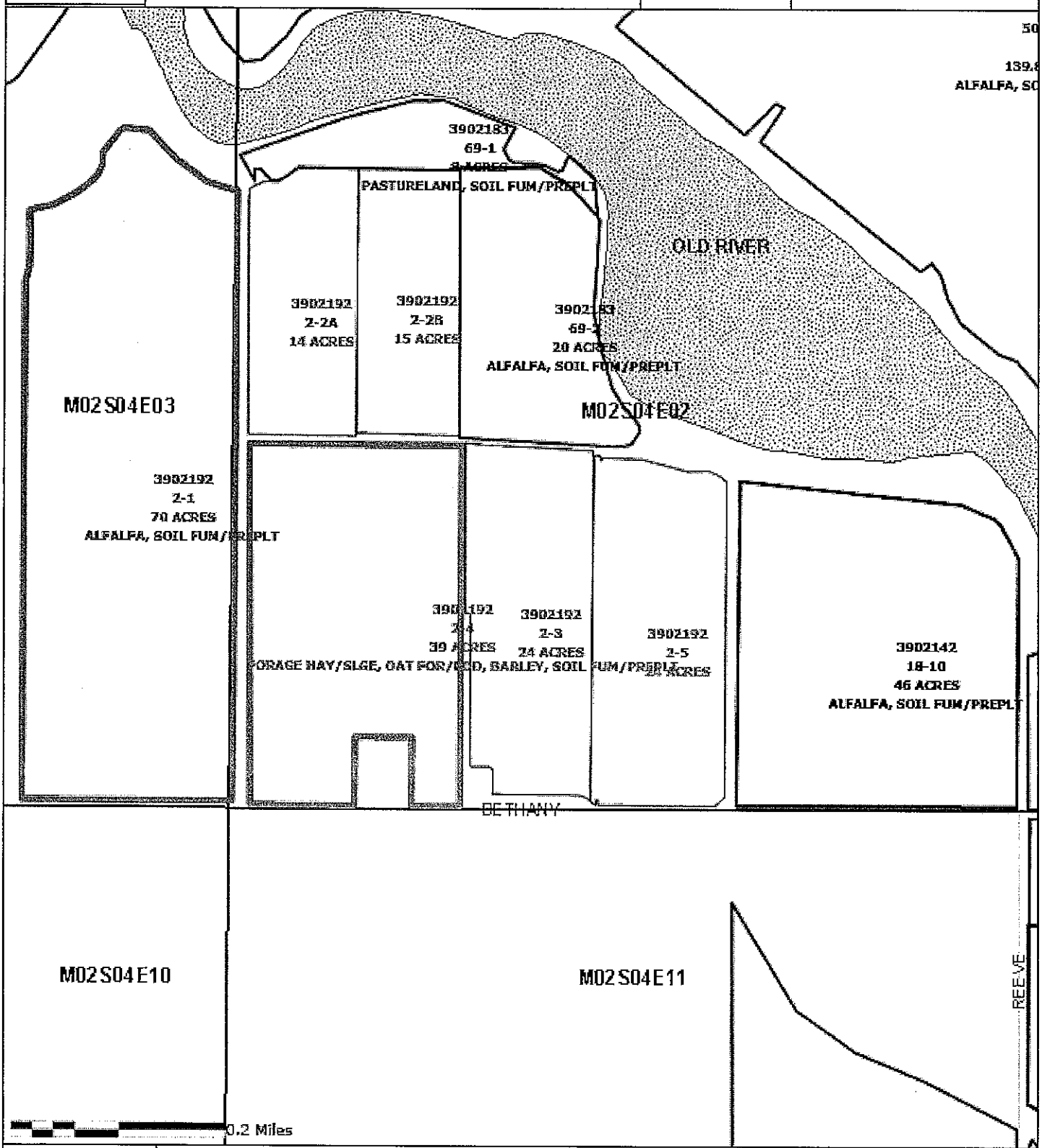
Revised 10/90

San Joaquin County	Permit Number:	3902192
MAP 1	Created On:	3/2/2012
N OF SCHULTE E OF MOUNTAIN HOUSE S OF 205 SITES 1-1, 1-2, 1-3, 1-4, 1-5, 1-6, 1-7, 1-8, 1-9	Operator:	ALEGRE, STEPHEN



Included Sites:	1-1, 1-2, 1-2A, 1-3, 1-4, 1-5, 1-6, 1-7, 1-8

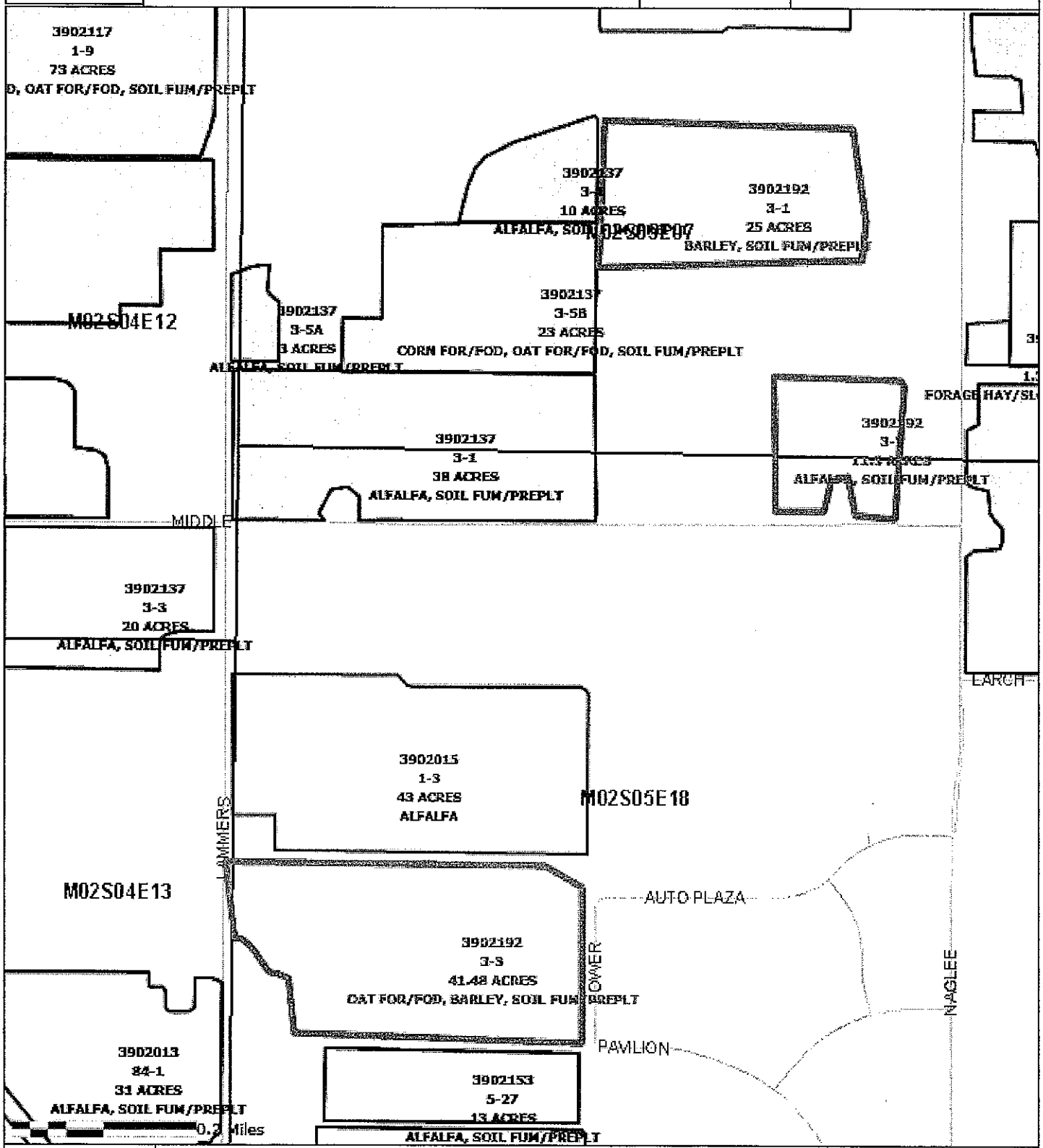
San Joaquin County	Permit Number:	3902192
MAP 2	Created On:	3/2/2012
N OF BETHANY W OF REEVE @ OLD RIVER SITES 2-1, 2-4	Operator:	ALEGRE, STEPHEN



Included Sites:	2-1, 2-4

N
W E
S

San Joaquin County	Permit Number:	3902192
MAP 3	Created On:	3/2/2012
W OF LAMMER AT MIDDLE SITES 3-1, 3-2, 3-3	Operator:	ALEGRE, STEPHEN



Included Sites:	3-1, 3-2, 3-3

APPLICATION-RESTRICTED MATERIALS PERMIT

☐ FOR POSSESSION ONLY ☒ FOR POSSESSION AND USE

PERMITTEE Alegre, Stephen

PERMIT NO. 3902-129

PERMITTEE ADDRESS	CITY	ZIP	PHONE	TYPE OF PERMIT	EXPIRATION
21763 S. Lammers Rd	Tracy	95304	321-6819	☒ SEASONAL ☐ JOB	DATE 3/15/2012

☒ PRIVATE APPLICATOR ☐ STRUCTURAL PCO ☐ AGRICULTURAL PCO ☐ COMMERCIAL APPLICATOR

NOTICE OF INTENT REQUIRED ☐ MUST BE SUBMITTED AT LEAST ____ HOURS PRIOR TO APPLICATION. METHOD:

A. PESTICIDES/PESTS

1. Zinc Phosphide
2. non permit Production Ag
3.
4.
5.
6.
7.
8.
9.
10.
11.
12.
13.
14.
15.
16.
17.
18.

B. LOCATION	SEC	TWN	RNG	MAP ID	COMMODITY	ACRES/ UNITS	PESTICIDES	NON PERMIT PESTS	F*	M**	RATE	DILUTION/ VOLUME	APPL	DATE/ TIMING
1. 2-1	02	25	4E	2	Alfalfa	70	Zinc Phosphide	Rodents						
2. 3-1	07	25	5E	3	~~Soil/AP~~ Oat/Barley		non Permit Ag							
3. 3-2					Alf		Zinc Phosphide, non permit Ag							
4. 3-3					Oat/Barley		non Permit Ag							
5.														
6.														
7.														

PCO NAME ADDRESS PHONE

PCO NAME ADDRESS PHONE

C. JUSTIFICATION FOR NON-AG USE:

D. CONDITIONS:

I understand that this permit does not relieve me from liability for any damage to persons or property caused by the use of these pesticides. I waive any claim of liability or damages against the County Department of Agriculture based on the issuance of this permit. I further understand that this permit may be revoked when pesticides are used in conflict with the manufacture's labeling or in violation of applicable laws, regulations and specific conditions of this permit. I authorize inspection at all reasonable times and whenever an emergency exists, by the Department of Pesticide Regulation or the County Department of Agriculture of all areas treated or to be treated, storage facilities for pesticides or emptied containers and equipment used or to be used in the treatment.

*FORMULATION: L--LIQUID B--BAIT D--DUST F--FUMIGANT G--GRANULES WP--WETTABLE POWDER O--OTHER

**METHOD: A--AIR GR--GROUND F--FUMIGATION O--OTHER

PERMIT APPLICANT Stephen M Alegre SIGNATURE [signature] TITLE Owner DATE 2-22-12

☐ RESTRICTED MATERIAL PERMIT IS HEREBY GRANTED FOR THE ABOVE MATERIALS. ☐ APPLICATION DENIED. BY [signature] DATE 2/22/2012

ENFORCEMENT BRANCH PR-ENF-125 (Rev. 9/00)

DISTRIBUTION: WHITE & YELLOW-COUNTY; PINK & GOLD-PERMITTEE

SAN JOAQUIN COUNTY
2101 E EARHART, SUITE 100
STOCKTON, CA 95206-
Web:www.co.san-joaquin.ca.us/agcomm

Office: (209)953-6000 Fax: (209)953-6021 Recorder (NOI's): (209)953-6000

2011

RESTRICTED MATERIALS PERMIT

ALEGRE STEPHEN
21763 S LAMMERS RD
TRACY CA 95304

STEPHEN ALEGRE
21763 S LAMMERS RD
TRACY CA 95304

Permit Number: 39-11-3902192
County District #: 1
Expiration Date: December 31, 2011
Effective Date: ~~January 1, 1990~~ March 14, 2011 PA
Home Phone:
Shop Phone:
Mobile Phone:
Fax:

Permittee Type: Private Applicator
Permit Type: Seasonal
Possession: Possession & Use

NOI Method of Submission:
Phone: X Fax: Y Box:
In Person: X Web: X
NOI required 24 hours prior to application.

Conditions: A,P,Q

See end of permit for code descriptions.

I understand that this permit does not relieve me from liability for any damages to any persons or property caused by the use of these pesticides. I waive any claims of liability for damages against the County Department of Agriculture based on the issuance of this permit. I further understand that this permit may be revoked when pesticides are used in conflict with the manufacturer's labeling or in violation of applicable laws, regulations and specific conditions of this permit. I authorize inspection at all reasonable times and whenever an emergency exists by the Department of Pesticide Regulation or the County Department of Agriculture of all areas treated or to be treated, storage facilities for pesticides or emptied containers and equipment used or to be used in the treatment. I have considered alternatives and mitigation measures pursuant to Title 3, California Code of Regulations, section 6426 Taking into account economic, environmental, social, and technological factors, I have adopted those that are feasible and would substantially lessen any significant adverse impact on the environment
[Form PR-ENF-125 (Rev. 11/05) Pesticide Enforcement Branch]

Permit Applicant: Stephen Alegre (Please Print) Signed: [signature]

Title: Owner (Please Print) Issue Date: 3-14-2011

Issuing Officer: [signature] Issue Date: 2/18/2011

Permittee: ALBORE, STEPHEN

Permit Number: 39-11-3980192

Employees do not handle pesticides.

Contact Name	License#	Exp. Date	Phone Number	Contact Type
ALBORE, STEPHEN	3980192			Owner-Permittee
ALBORE, STEPHEN M	3980192-00000	12/31/2011		Private Applicator Certified

PERMIT PESTICIDES

Number	Pesticide	Pests	Forms	Methods	Applicators
1010	CARBARYL	INSECTS	All For	Air Ground	PO
1030	CHLORPYRIFOS	INSECTS	All Frm.	Air Ground	PO
2000	DICAMBA	BROADLEAF WEEDS	All Frm.	Air Ground	PO
2010	DIQUAT DIBR	AQUATICS	All Frm.	Air Ground	PO
2020	DIURON	HERBICIDE	All Frm.	Air Ground	PO
2040	2,4-D	BROADLEAF WEEDS	All Frm.	Air Ground	PO
2140	HEXAZINONE	HERBICIDE	All Frm.	Air Ground	PO
2980	TRICLOPYR BUTOXYETHYL ESTER	BROADLEAF WEEDS	All Frm.	Air Ground	PO
3030	2,4-D DIMETHYLAMINE	BROADLEAF WEEDS	All Frm.	Air Ground	PO
3110	IMAZAPYR	BROADLEAF WEEDS	All Frm.	Air Ground	PO
3140	2,4-D 2-ETHYLHEXYL ESTER	BROADLEAF WEEDS	All Frm.	Air Ground	PO
3210	PARAQUAT	WEEDS	All Frm.	Air Ground	PO
3260	2,4-D ISOPROPYLAMINE	BROADLEAF	All Frm.	Air Ground	PO
99999	NON-RESTRICTED AGRICULTURAL	ALL PESTS	All Frm.	Air Ground	PO

PERMIT COMMODITIES

Crop / Site	Location/Site Narrative/Site Conditions	District	Section / Quantity	Town / Units	Range	Meridian
ALFALFA (23001-0)						
2-1	N/BETHANY, S OLD RIVER	I	2	02S	04E	M
			70.00	A		
	Site Conditions: P Q 1060 (CARBOFURAN), 3830 (METHOMYL), 5540 (STRYCHNINE), 8041 (2,4-DB), 16011 (PARAQUAT),					
BARLEY (29103-0)						
1-1	SE COR. VON SOSTEN/MOUNTAINHOU JAQUES FARMS	I	22	02S	04E	M
			154.00	A		
	Site Conditions: P Q 2000 (DICAMBA), 2300 (DISULFOTON), 3830 (METHOMYL), 4780 (PHORATE), 7860 (MCPA, DIMETHYLAMINE), 9801 (2,4-D AMINE), 16011 (PARAQUAT),					
1-3	E/MOUNTAINHOUSE,N/SCHULTE	A	27	02S	04E	M
			309.00	A		
	Site Conditions: P Q 2000 (DICAMBA), 2300 (DISULFOTON), 3830 (METHOMYL), 4780 (PHORATE), 7860 (MCPA, DIMETHYLAMINE), 9801 (2,4-D AMINE), 16011 (PARAQUAT),					
1-4	NE COR. MOUNTAINHOUSE/SCHULTE	A	27	02S	04E	M
			129.00	A		
	Site Conditions: P Q 2000 (DICAMBA), 2300 (DISULFOTON), 3830 (METHOMYL), 4780 (PHORATE), 7860 (MCPA, DIMETHYLAMINE), 9801 (2,4-D AMINE), 16011 (PARAQUAT),					
1-5	NE COR. HANSEN & SCHULTE	A	26	02S	04E	M
			160.00	A		
	Site Conditions: P Q 2000 (DICAMBA), 2300 (DISULFOTON), 3830 (METHOMYL), 4780 (PHORATE), 7860 (MCPA, DIMETHYLAMINE), 9801 (2,4-D AMINE), 16011 (PARAQUAT),					
1-6	E/HANSEN, N/SCHULTE	A	26	02S	04E	M
			157.00	A		
	Site Conditions: P Q 2000 (DICAMBA), 2300 (DISULFOTON), 3830 (METHOMYL), 4780 (PHORATE), 7860 (MCPA, DIMETHYLAMINE), 9801 (2,4-D AMINE), 16011 (PARAQUAT),					

BARLEY (29103-0)

1-8	E/HANSEN, N/SCHULTE	A	26	02S	04E	M
			230.00	A		

Site Conditions: P Q
2000 (DICAMBA), 2300 (DISULFOTON), 3830 (METHOMYL), 4780 (PHORATE), 7860 (MCPA, DIMETHYLAMINE), 9801 (2,4-D AMINE), 16011 (PARAQUAT),

CORN FOR/FOD (22005-0)

1-7	E/HANSEN, N/SCHULTE	A	26	02S	04E	M
			80.00	A		

Site Conditions: P
99999 (NON-PERMIT AG PROD),

FORAGE HAY/SLGE (22000-0)

2-2E	N/BETHANY, S OLD RIVER	I	3	02S	04E	M
			15.00	A		

Site Conditions: P Q
3830 (METHOMYL), 9801 (2,4-D AMINE), 16011 (PARAQUAT),

2-3	N/BETHANY, S/W OLD RIVER	I	2	02S	04E	M
			24.00	A		

Site Conditions: P Q
3830 (METHOMYL), 9801 (2,4-D AMINE), 16011 (PARAQUAT),

2-4	N/BETHANY, S OLD RIVER	I	2	02S	04E	M
			39.00	A		

Site Conditions: P Q
3830 (METHOMYL), 9801 (2,4-D AMINE), 16011 (PARAQUAT),

2-5	N/BETHANY, S OLD RIVER	I	2	02S	04E	M
			24.00	A		

Site Conditions: P Q
3830 (METHOMYL), 9801 (2,4-D AMINE), 16011 (PARAQUAT),

SOIL FUM/PREPLT (40008-0)

1-1	SE COR. VON SOSTEN/MOUNTAINHOU JAQUES FARMS	I	23	02S	04E	M
			134.00	A		

Site Conditions: P Q
9801 (2,4-D AMINE), 16011 (PARAQUAT),

SOIL FUM/PREPLT (40008-0)

1-3	E/MOUNTAINHOUSE,N/SCHULTE	A	27	02S	04E	M
			309.00	A		
	Site Conditions: P Q 9801 (2,4-D AMINE), 16011 (PARAQUAT),					
1-4	NE COR. MOUNTAINHOUSE/SCHULTE	A	27	02S	04E	M
			129.00	A		
	Site Conditions: P Q 9801 (2,4-D AMINE), 16011 (PARAQUAT),					
1-5	NE COR. HANSEN & SCHULTE	A	26	02S	04E	M
			160.00	A		
	Site Conditions: P Q 9801 (2,4-D AMINE), 16011 (PARAQUAT),					
1-6	E/HANSEN, N/SCHULTE	A	26	02S	04E	M
			157.00	A		
	Site Conditions: P Q 9801 (2,4-D AMINE), 16011 (PARAQUAT),					
1-7	E/HANSEN, N/SCHULTE	A	26	02S	04E	M
			90.00	A		
	Site Conditions: P 99999 (NON-PERMIT AG PROD),					
1-8	E/HANSEN, N/SCHULTE	A	26	02S	04E	M
			220.00	A		
	Site Conditions: P Q 9801 (2,4-D AMINE), 16011 (PARAQUAT),					
2-2A	N/BETHANY, S OLD RIVER	I	3	02S	04E	M
			14.00	A		
	Site Conditions: P Q 9801 (2,4-D AMINE), 16011 (PARAQUAT),					
2-2B	N/BETHANY, S OLD RIVER	I	3	02S	04E	M
			15.00	A		
	Site Conditions: P Q 9801 (2,4-D AMINE), 16011 (PARAQUAT),					
2-3	N/BETHANY, S/W OLD RIVER	I	3	02S	04E	M
			24.00	A		
	Site Conditions: P Q 9801 (2,4-D AMINE), 16011 (PARAQUAT),					

SOIL FUM/PREPLT (40008-0)

1-4	N/BETHANY, S OLD RIVER	I	2	02S	04E	M
			39.00	A		

Site Conditions: P Q
9801 (2,4-D AMINE), 16011 (PARAQUAT),

2-5	N/BETHANY, S OLD RIVER	I	2	02S	04E	M
			34.00	A		

Site Conditions: P Q
9801 (2,4-D AMINE), 16011 (PARAQUAT),

UNCUL NON-AG (67000-0)

ALL	W/HANSEN, N/SCHULTE	I	27	02S	04E	M
			50.00	A		

Site Conditions: P Q
9801 (2,4-D AMINE), 16011 (PARAQUAT),

Description of Conditions on this Permit:

Condition ID	Description
A	Permit Cond.Table of Contents

A - PERMIT CONDITIONS - TABLE OF CONTENTS

WORKERS SAFETY SERIES ATTACHED

[ ] A-1 through A-11 General Information

PERMIT CONDITIONS ATTACHED

~~[X]~~ O - Aluminum and Magnesium Phosphide
[X] P - General
~~[X]~~ Q - Dicamba & Phenoxy Herbicides - Central Valley/Hazardous Area
[ ] R - Dicamba & Phenoxys - Special Hazardous Area
[ ] S - Metam Sodium, Metam Potassium, Dazomet Field Soil Fumigations
- ( ) - S1 Dazomet Methods
- ( ) - S2 Drench Method
- ( ) - S3 Drip Method
- ( ) - S4 Flood Method
- ( ) - S5 Power Mulcher/Rotary Tiller
- ( ) - S6 Rod Bar Method
- ( ) - S7 Shank Method
- ( ) - S8 Spray Blade with Soil Cap Method
- ( ) - S9 Sprinkler Method

[ ] T - Aldicarb (Temik)
[ ] U - Endosulfan (Thiodan)
[ ] V - Rice Pesticides Program
- [ ] - Molinate (Ordram) Worker Safety (A)
- [ ] - Attachments 1-10: Molinate (1, 6), Thiobencarb (2,6,7), Methylparathion (3,9), Seepage Control (5), Propanil (10) and Malathion (voluntary: 4,8)

[ ] W - Methyl Bromide
- [ ] - Soil within greenhouses
- [ ] - Commodity
- [ ] - Soil injection
- [ ] - Tarped potting soil
- [ ] - Single tree site

[ ] X - Furadan chemigation of grapes
[ ] Y - 1, 3 - Dichloropropene
[ ] Z - Other

GROUNDWATER PROTECTION PERMIT CONDITIONS

These conditions apply to pesticides labeled for agricultural, outdoor industrial, or outdoor institutional use that contain chemicals listed in 3CCR section 6800(a): ATRAZINE, SIMAZINE, BROMACIL, DIURON (except products with less than 7% diuron applied to foliage), PROMETON, BENTAZON, AND NORFLURAZON. Ground Water Protection Areas (GWPA), for San Joaquin County, are designated in the Department of Pesticide Regulation document EH03-05. A list of GWPAs may be obtained from the Commissioner's Office or DPR's website (*www.cdpr.ca.gov/docs/gwp*).

"Engineered rights of way" are defined as areas within a ground water protection area (GWPA) that are constructed in a way that results in increased runoff and collection of storm water, such as railroad ballasts and berms, public roadsides, and highway median strips or similar areas, but not canal or ditch banks or utility lines.

SPECIFIC GROUNDWATER PROTECTION PERMIT CONDITIONS ATTACHED

SPECIFIC GROUNDWATER PROTECTION PERMIT CONDITIONS ATTACHED

GWP-C & D Unlined canal and ditch banks
[ ] 1 - Percolation rate is less than or equal to 0.2 inches per hour
[ ] 2 - Applied six months prior to water run
[ ] 3 - All applications are prohibited below high water line

GWP-ROW Engineered rights-of-way within San Joaquin County GWPAs
[ ] 1A - Soil disturbance within 7 days
[ ] 1B - Incorporation
[ ] 1C - Applied between April 1 and July 31
[ ] 2 - Runoff passes through adjacent fully vegetated noncrop area
[ ] 3 - Compliance with NPDES permit

GWP-R Runoff GWPAs within San Joaquin County
[ ] 1 - Soil disturbance
[ ] 2 - Incorporated
[ ] 3 - Band treatment
[ ] 4 - Applied between April 1 and July 31
[ ] 5 - Runoff water held onsite
[ ] 6 - Runoff water stored offsite
[ ] 7 - Runoff to adjacent fallow field

GWP-L Leaching GWPAs within San Joaquin County
[ ] 1 - No irrigation
[ ] 2 - Bed or berm application
[ ] 3 - Managed irrigation

GWP-Director Director Approved Alternative Management Practices or Interim Use
[ ] 1 - Director approved alternative
[ ] 2 - Director approved interim use

Revised 10/04

P General

CONDITION - P - General

In addition to all applicable laws, regulations, label restrictions and other more restrictive conditions of this permit, THE FOLLOWING CONDITIONS APPLY TO APPLICATIONS COVERED BY THIS PERMIT.

1. Maximum wind velocities for applications of Restricted Materials unless otherwise covered by the label, law, regulation, other permit conditions or environmental conditions at the application site are:

   a. Spray - 12 m.p.h.
   b. Dust - 8 m.p.h.
   c. Pellets, granular or baits - 16 m.p.h.

2. No pesticide application shall be made or continued when there is the likelihood of contaminating any persons, non-target crops, animals or other public or private property.

3. Unless specifically named as a dust on this permit, NO DUST FORMULATIONS are allowed.

4. Apply pesticides covered by SLN(s) and Section 18(s) in conformance with the SLN(s) and Section 18(s).

5. A flagger is required at the application site for all AIR applications of Zinc Phosphide bait.

Revised 10/90

Q Dicamba & Phenoxy Herbicide CV

CONDITION - Q - DICAMBA AND PHENOXY HERBICIDES - CENTRAL VALLEY/HAZARDOUS AREA

In addition to all applicable laws, regulations and label restrictions, the CONDITIONS CHECKED BELOW APPLY to applications covered by this permit.

[X] 1. No ester formulation applications allowed.

[ ] 2. A smoke column is required at the application site for all Phenoxy and Dicamba applications by aircraft beginning March 16 and continuing through October 15.

[X] 3. Do not discharge material more than 10 feet above the crop or target.

[ ] 4. A drift reducing agent shall be added to the spray mixture at label rates.

[X] 5. Maximum wind velocity for Phenoxy herbicides - 10 m.p.h.

[X] 6. Maximum wind velocity for Dicamba - 10 m.p.h. EXCEPT when wind is moving in direction of sensitive crops, the maximum wind velocity - 5 m.p.h.

[ ] 7. No Dicamba application allowed in the vicinity of sensitive crops when the maximum temperature on the day of application is predicted to exceed 85 degrees fahrenheit. Predicted temperature for the following day will be determined by the 3:30 p.m. prediction by the National Weather Station - Stockton Airport.

[ ] 8. Dicamba applications by aircraft are restricted to a minimum distance of two (2) miles from the following susceptible crops: beans, grapes, sunflower, tomato, safflower, curcurbits, potatoes.

[ ] 9. Dicamba applications by ground are restricted to a minimm distance of 20 feet from the following susceptible crops: beans, safflower, tomato, curcurbits,

potatoes and 1/4 mile from grapes and sunflowers.

[ ] 10. No Dicamba or Phenoxy herbicide applications allowed beginning March 16 and continuing through October 15, and until grape leaves in the vicinity of the treated area are "browned off".

Revised 10/90

Description of Custom Site Conditions

Condition ID	Long Description

*** LAST PAGE ***

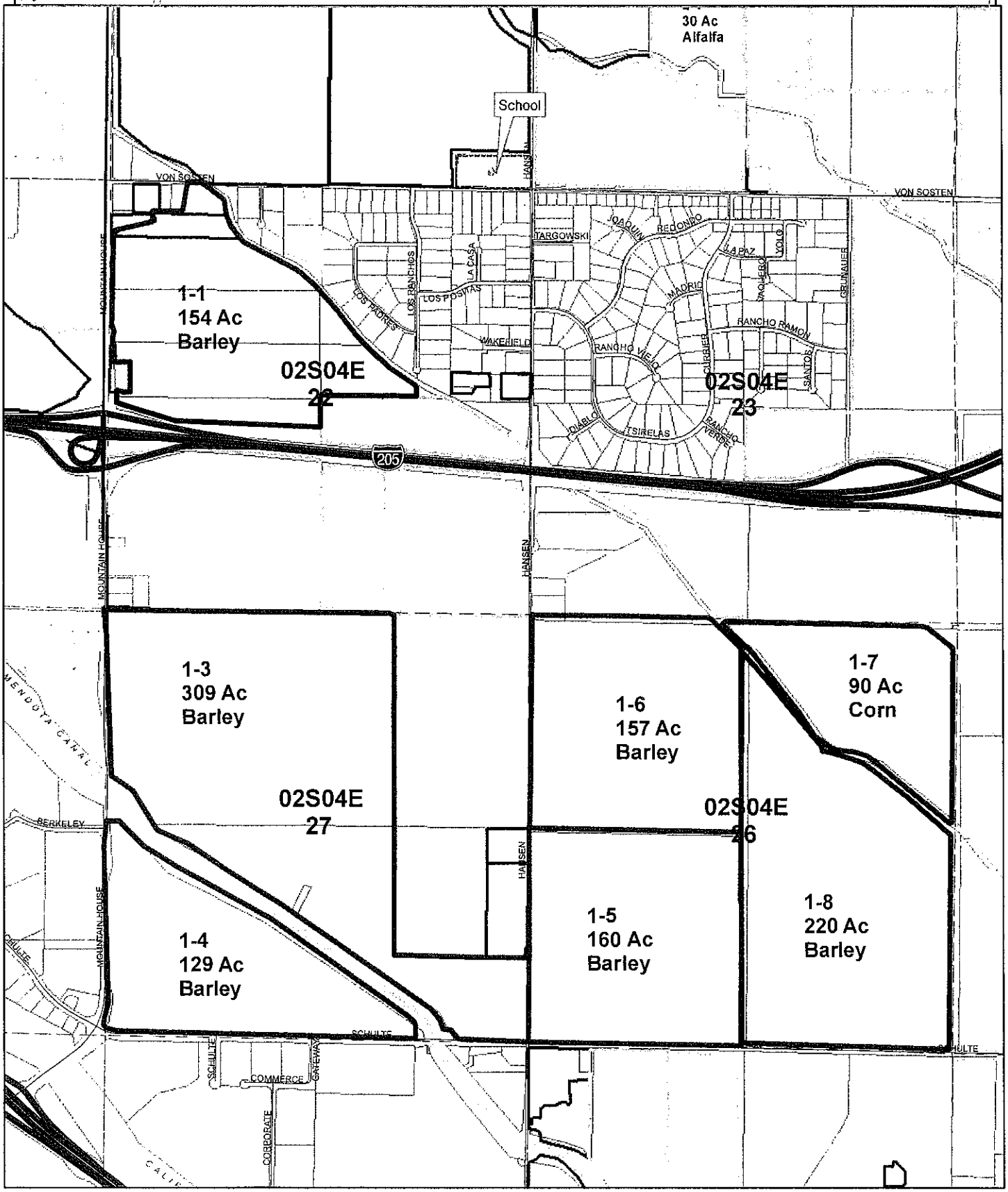
San Joaquin County
Agricultural Commissioner's Office

Permit #
3902192

District I
Permittee
Alegre, Stephen

Map #
1

N



San Joquin County
Agricultural Commissioner's Office

District J

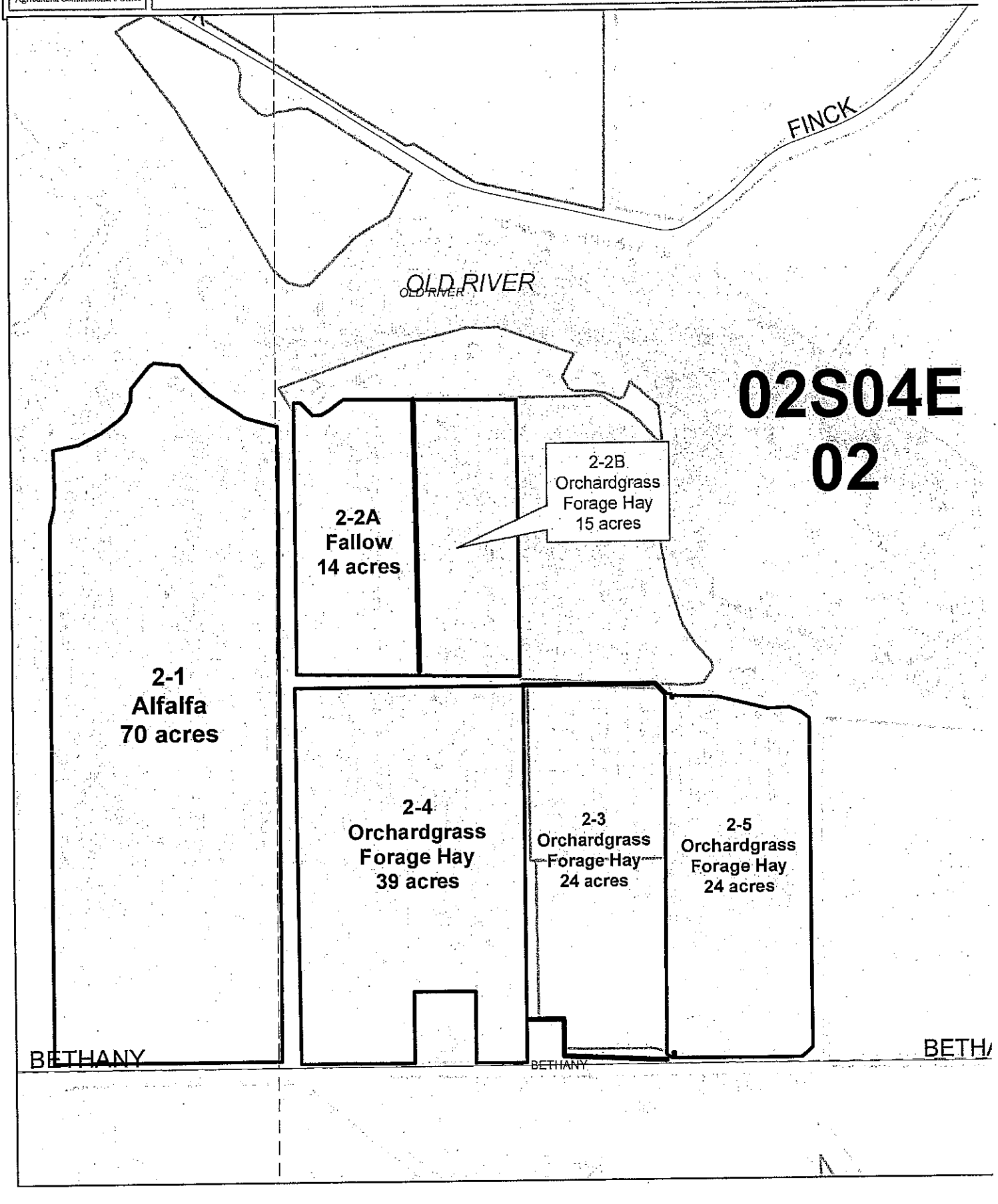
Permittee

Alegre, Stephen

Map # 2

N

Permit # 3902192



SAN JOAQUIN COUNTY
2101 E EARHART, SUITE 100
STOCKTON, CA 95206
Web: www.co.san-joaquin.ca.us/agcomm

Office: (209)953-6000 Fax: (209)953-6022 Recorder (WOI's): (209)953-6000

2010

RESTRICTED MATERIALS PERMIT

ALEGRE, STEPHEN
21763 S I AMMERS RD
TRACY CA 95304

STEPHEN ALEGRE
21763 S I AMMERS RD
TRACY CA 95304

Permit Number: 39-10-0002192
County District #: 1
Expiration Date: ~~January 29, 2010~~ Dec 31, 2010 AR
Effective Date: ~~January 1, 1990~~ January 29, 2010 AR

Home Phone:
Shop Phone:
Mobile Phone:
Fax:

Permittee Type: Private Applicator
Permit Type: Seasonal
Possession: Possession & Use

NOI Method of Submission:
Phone: Y Fax: Y Box:
In Person: Y Web: N

NOI required 24 hours prior to application.

Conditions: A,P,Q

See end of permit for code descriptions.

I understand that this permit does not relieve me from liability for any damages to any persons or property caused by the use of these pesticides. I waive any claims of liability for damages against the County Department of Agriculture based on the issuance of this permit. I further understand that this permit may be revoked when pesticides are used in conflict with the manufacturer's labeling or in violation of applicable laws, regulations and specific conditions of this permit. I authorize inspection at all reasonable times and whenever an emergency exists by the Department of Pesticide Regulation or the County Department of Agriculture of all areas treated or to be treated, storage facilities for pesticides or emptied containers and equipment used or to be used in the treatment. I have considered alternatives and mitigation measures pursuant to Title 3, California Code of Regulations, section 6426. Taking into account economic, environmental, social, and technological factors, I have adopted those that are feasible and which substantially lessen any significant adverse impact on the environment.
(Form: PR-ENF-125 (Rev. 11/06) Pesticide Enforcement Branch)

Permit Applicant: Stephen M Alegre (Please Print) Signed:

Title: Owner (Please Print) Issue Date: 1-29-2010

Issuing Officer: Issue Date: 01/29/2010

Permittee: ALEGRE, STEPHEN | Permit Number: 39-10-3902192

Employees do not handle pesticides

Contact Name	License	Exp. Date	Phone Number	Contact Type
ALEGRE, STEPHEN	3902192			Grower-Permittee
ALEGRE,STEPHEN M	3900028-00010	[illegible]		Private Applicator Certificate

PERMIT PESTICIDES

Number	Pesticide	Pests	Forms	Methods	Applications
1959	[illegible]	INSECTS	All Reg.	Air Ground	PC
1832	[illegible]	INSECTS	All Reg.	Air Ground	PC
9618	2,4-D AMINE	BROADLEAF WEEDS	All Reg.	Air Ground	PC
10711	[illegible]	WEEDS	All Reg.	Air Ground	PC

PERMIT COMMODITIES

Crop / Site	Location/Site Narrative/Site Conditions	District	Section / Quantity	Town / Units	Range	Meridian
ALFALFA (23001-0)						
2-1	NEBRASKA, SOLID FIBER	7	2 70.00	02S A	04E	M
	Site Remarks: 7 1931 DIETHOLAYL, 1501 (PARAQUAT).					
BARLEY (39103-0)						
1-1	SE CER VON BOSTEL-MOUNTADWELL JAQUES PABLO	7	22 159.00	02S A	04E	M
1-2A	BAUGHETLANDCOLLINSVILLE	7	27 30.00	02S A	04E	M
1-3	BAUGHTLANDHOUSEN-SCHULTE	7	27 109.00	02S A	04E	M
1-4	TE DER MOUNTAINMEADOWS-SCHULTE	7	27 139.00	02S A	04E	M
1-5	NE DER MAINES & CHESTER	7	26 160.00	02S A	04E	M
1-6	EISENBERG-LOVELOCK	7	26 157.00	02S A	04E	M
1-8	EISENBERG-MITCHELL	7	26 320.00	02S A	04E	M
BEAN UNSPECIFIED (25001-0)						

BEAN UNSPECIFD (29001-0)

1-2	EDUCATIONHOUSE,BAINBRIDGE	I	27	035	045	M
			100.00	A		

Site Conditions: P 1;
1030 (CARBARYL), 3010 (PARAQUAT)

CORN FOR/FOD (22005-0)

3-7	BAHANSEN,NORTONVILLE	I	28	035	045	M
			30.00	A		

Site Conditions: P 1;
1030 (CARBARYL), 3030 (METHOMYL), 9001 (2,4-D AMINE),

FORAGE HAY/SLGE (22000-0)

2-2B	WEETHANY, S OLD RIVER	I	2	035	045	M
			15.00	A		

Site Conditions: P 1;
3030 (METHOMYL), 9001 (2,4-D AMINE), 3010 (PARAQUAT),

2-3	WEETHANY, S OLD RIVER	I	2	035	045	M
			24.00	A		

Site Conditions: P 1;
3030 (METHOMYL), 9001 (2,4-D AMINE), 3010 (PARAQUAT),

2-4	WEETHANY, S OLD RIVER	I	2	035	045	M
			19.00	A		

Site Conditions: P 1;
3030 (METHOMYL), 9001 (2,4-D AMINE), 3010 (PARAQUAT),

2-5	WEETHANY, S OLD RIVER	I	2	035	045	M
			24.00	A		

Site Conditions: P 1;
3030 (METHOMYL), 9001 (2,4-D AMINE), 3010 (PARAQUAT),

SOIL FUM/PRE/PLI (40003-0)

1-1	SE SIDE MCMASTERS/COUNTRYSIDE DR DUTCH FARMS	I	22	035	045	M
			134.00	A		

Site Conditions: P 1;
9001 (2,4-D AMINE), 3010 (PARAQUAT),

1-7	STUDENTAUDITORIUM/SCHOOLSITE	I	27	035	045	M
			100.00	A		

Site Conditions: P 1;
9001 (2,4-D AMINE), 3010 (PARAQUAT),

SOIL FUM/PREPLT (40008-0)

1-2A	E/MOUNTAINEER/USE/N/SCHULTE	J	27	02S	04E	M
			50.00	A		
	Site Conditions: P Q					
	9801 (2,4-D AMINE), 16011 (PARAQUAT),					
1-3	E/MOUNTAINEER/USE/N/SCHULTE	J	27	02S	04E	M
			200.00	A		
	Site Conditions: P Q					
	9801 (2,4-D AMINE), 16011 (PARAQUAT),					
1-4	NE COR. MOUNTAINEER/USE/N/SCHULTE	J	27	02S	04E	M
			120.00	A		
	Site Conditions: P Q					
	9801 (2,4-D AMINE), 16011 (PARAQUAT),					
1-5	NE COR. HANSEN & SCHULTE	J	26	02S	04E	M
			160.00	A		
	Site Conditions: P Q					
	9801 (2,4-D AMINE), 16011 (PARAQUAT),					
1-6	E/HANSEN, N/SCHULTE	J	26	02S	04E	M
			157.00	A		
	Site Conditions: P Q					
	9801 (2,4-D AMINE), 16011 (PARAQUAT),					
1-7	E/HANSEN, N/SCHULTE	J	26	02S	04E	M
			91.00	A		
	Site Conditions: P Q					
	9801 (2,4-D AMINE), 16011 (PARAQUAT),					
1-8	E/HANSEN, N/SCHULTE	J	26	02S	04E	M
			320.00	A		
	Site Conditions: P Q					
	9801 (2,4-D AMINE), 16011 (PARAQUAT),					
2-1A	N/BETHANY, E/OLD RIVER	J	3	02S	04E	M
			19.00	A		
	Site Conditions: P Q					
	9801 (2,4-D AMINE), 16011 (PARAQUAT),					
2-1B	N/BETHANY, E/OLD RIVER	J	3	02S	04E	M
			15.00	A		
	Site Conditions: P Q					
	9801 (2,4-D AMINE), 16011 (PARAQUAT),					

SOIL FUM/PREPLT (40008-0)

2-3	METHYLATED SPIRITS	L	2	02S	04E	11	
			24.00	A			
	Site Remarks: P 1; 9801 (2,4-D AMINE), 1911 (PARAQUAT),						
2-4	METHYLATED SPIRITS	L	2	02S	04E	11	
			39.00	A			
	Site Remarks: P 1; 9801 (2,4-D AMINE), 1911 (PARAQUAT),						
2-5	METHYLATED SPIRITS	L	2	02S	04E	11	
			24.00	A			
	Site Remarks: P 1; 9801 (2,4-D AMINE), 1911 (PARAQUAT),						

UNCUL NON-AG (67000-0)

2-1	ROUNDUP ULTRAMAX	L	32	02S	04E	11	
			51.00	A			
	Site Remarks: P 1; 9801 (2,4-D AMINE), 1911 (PARAQUAT),						

Stephen Hegre

APPLICATION - RESTRICTED MATERIALS PERMIT - SUPPLEMENT

PERMIT NO. 2192

PAGE NO.

Add Sites

LOCATION	SEC	TWN	RNG	MAP ID	COMMODITY	ACRES/ UNITS	PESTICIDES	PESTS	F*	M**	RATE	DILUTION/ VOLUME	APPL	DATE/ TIMING
7. 3-1	7	25	5E		Sudan Grass	46	2,4-D	Weeds						
8. 3-2	7	25	5E		" "	8	2,4-D	Weeds						
9.														
10.														
11.														
12.														
13.														
14.														
15.														
16.														
17.														
18.														
19.														
20.														
21.														
22.														
23.														
24.														
25.														
26.														
27.														
28.														
29.														
30.														
31.														

*Formulation: L--Liquid B--Bait D--Dust F--Fumigant G--Granules WP--Wettable Powder O--Other

**Method: A--Air F--Fumigation Gr--Ground O--Other

APPLICANT SIGNATURE _____ DATE 8-2-10

ISSUED BY Ted C. Vi DATE 8/2/10

DISTRIBUTION: WHITE & YELLOW - COUNTY AGRICULTURAL COMMISSIONER; PINK & GOLD - PERMITTEE

OSP 08 109802

STATE OF CALIFORNIA
DEPARTMENT OF PESTICIDE REGULATION
PR-ENF-125A (REV. 10/07) Page 1 of 1

APPLICATION - RESTRICTED MATERIALS PERMIT - SUPPLEMENT

add pesticide

Alegre, Stephen

PERMIT NO. 2192

PAGE NO.

LOCATION	SEC	TWN	RNG	MAP ID	COMMODITY	ACRES/ UNITS	PESTICIDES	PESTS	F*	M**	RATE	DILUTION/ VOLUME	APPL	DATE/ TIMING
7. ~~Non-Crop~~ ALL	27	2S	4E		uncult non-ag		zinc phosphide	squirrels						
8.														
9.														
10.														
11.														
12.														
13.														
14.														
15.														
16.														
17.														
18.														
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20.														
21.														
22.														
23.														
24.														
25.														
26.														
27.														
28.														
29.														
30.														
31.														

*Formulation: L--Liquid B--Bait D--Dust F--Fumigant G--Granules WP--Wettable Powder O--Other

**Method: A--Air F--Fumigation Gr--Ground O--Other

APPLICANT SIGNATURE _____ DATE 1-29-10

ISSUED BY Barbara Duey Stradt DATE 1/29/10

DISTRIBUTION: WHITE & YELLOW - COUNTY AGRICULTURAL COMMISSIONER; PINK & GOLD - PERMITTEE

OSP 08 109802

STATE OF CALIFORNIA
DEPARTMENT OF PESTICIDE REGULATION
PR-ENF-125A (REV. 10/07) Page 1 of 1

Description of Conditions on this Permit:

Condition ID	Description
A	Permit Cond Table of Contents

A - PERMIT CONDITIONS - TABLE OF CONTENTS

WORKERS SAFETY SERIES ATTACHED

[ ] A-1 through A-11 General Information

PERMIT CONDITIONS ATTACHED

[X] P - General
[X] Q - Dicamba & Phenoxy Herbicides - Central Valley/Hazardous Area
[ ] R - Dicamba & Phenoxys - Special Hazardous Area
[ ] S - Metam Sodium & Metam Potassium
[ ] T - Aldicarb (Temik)
[ ] U - Endosulfan (Thiodan)
[ ] V - Rice Pesticides Program
- [ ] - Molinate (Ordram) Worker Safety (A)
- [ ] - Attachments 1-10. Molinate (1, 6), Thiobencarb (2,6,7), Methylparathion (3,9), Seepage Control (5), Propanil (10) and Malathion (voluntary: 4,8).

[ ] W - Methyl Bromide
- [ ] - Soil within greenhouses
- [ ] - Commodity
- [ ] - Soil injection
- [ ] - Tarped potting soil
- [ ] - Single tree site

[ ] X - Furadan chemigation of grapes
[ ] Y - 1, 3 - Dichloropropene
[ ] Z - Other

GROUNDWATER PROTECTION PERMIT CONDITIONS

These conditions apply to pesticides labeled for agricultural, outdoor industrial, or outdoor institutional use that contain chemicals listed in 3CCR section 6800(a): ATRAZINE, SIMAZINE, BROMACIL, DIURON (except products with less than 7% diuron applied to foliage), PROMETON, BENTAZON, AND NORFLURAZON. Ground Water Protection Areas (GWPA), for San Joaquin County, are designated in the Department of Pesticide Regulation document EH03-05.

A list of GWPAs may be obtained from the Commissioner's Office or DPR's website (www.cdpr.ca.gov/docs/gwp).

"Engineered rights of way" are defined as areas within a ground water protection area (GWPA) that are constructed in a way that results in increased runoff and collection of storm water, such as railroad ballasts and berms, public roadsides, and highway median strips or similar areas, but not canal or ditch banks or utility lines.

SPECIFIC GROUNDWATER PROTECTION PERMIT CONDITIONS ATTACHED

GWP-C & D Unlined canal and ditch banks
[ ] 1 - Percolation rate is less than or equal to 0.2 inches per hour
[ ] 2 - Applied six months prior to water run
[ ] 3 - All applications are prohibited below high water line

GWP-ROW Engineered rights-of-way within San Joaquin County GWPAs
[ ] 1A - Soil disturbance within 7 days
[ ] 1B - Incorporation
[ ] 1C - Applied between April 1 and July 31
[ ] 2 - Runoff passes through adjacent fully vegetated noncrop area
[ ] 3 - Compliance with NPDES permit

GWP-R Runoff GWPAs within San Joaquin County
[ ] 1 - Soil disturbance
[ ] 2 - Incorporated
[ ] 3 - Band treatment
[ ] 4 - Applied between April 1 and July 31
[ ] 5 - Runoff water held onsite
[ ] 6 - Runoff water stored offsite
[ ] 7 - Runoff to adjacent fallow field

GWP-L Leaching GWPAs within San Joaquin County
[ ] 1 - No irrigation
[ ] 2 - Bed or berm application
[ ] 3 - Managed irrigation

GWP-Director Director Approved Alternative Management Practices or Interim Use
[ ] 1 - Director approved alternative
[ ] 2 - Director approved interim use

Revised 10.04

F General

CONDITION - 2 - General

In addition to all applicable laws, regulations, label restrictions and other more restrictive conditions of this permit, THE FOLLOWING CONDITIONS APPLY TO APPLICATIONS COVERED BY THIS PERMIT.

1. Maximum wind velocities for applications of Restricted Materials unless otherwise covered by the label, law, regulation, other permit conditions or environmental conditions at the application site are:

   a. Spray - 12 m.p.h.
   b. Dust - 8 m.p.h.
   c. Pellets, granular or baits - 16 m.p.h.

2. No pesticide application shall be made or continued when there is the likelihood of contaminating any persons, non-target crops, animals or other public or private property.

3. Unless specifically named as a dust on this permit, NO DUST FORMULATIONS are allowed.

4. Apply pesticides covered by SLN(s) and Section 18(s) in conformance with the SLN(s) and Section 18(s).

5. A flagger is required at the application site for all AIR applications of Zinc Phosphide bait.

Revised 10-90

Q Dicamba & Phenoxy Herbicide CV

CONDITION - Q - DICAMBA AND PHENOXY HERBICIDES - CENTRAL VALLEY HAZARDOUS AREA

In addition to all applicable laws, regulations and label restrictions, the CONDITIONS CHECKED BELOW APPLY to applications covered by this permit.

[X] 1. No ester formulation applications allowed.

[ ] 2. A smoke column is required at the application site for all Phenoxy and Dicamba applications by aircraft beginning March 16 and continuing through October 15.

[X] 3. Do not discharge material more than 10 feet above the crop or target.

[ ] 4. A drift reducing agent shall be added to the spray mixture at label rates.

[X] 5. Maximum wind velocity for Phenoxy herbicides - 10 m.p.h.

[X] 6. Maximum wind velocity for Dicamba - 10 m.p.h. EXCEPT when wind is moving in direction of sensitive crops, the maximum wind velocity - 5 m.p.h.

[ ] 7. No Dicamba application allowed in the vicinity of sensitive crops when the maximum temperature on the day of application is predicted to exceed 85 degrees fahrenheit. Predicted temperature for the following day will be determined by the 3:30 p.m. prediction by the National Weather Station - Stockton Airport.

[ ] 8. Dicamba applications by aircraft are restricted to a minimum distance of two (2) miles from the following susceptible crops: beans, grapes, sunflower, tomato, safflower, cucurbits, potatoes.

[ ] 9. Dicamba applications by ground are restricted to a minimm distance of 20 feet from the following susceptible crops: beans, safflower, tomato, cucurbits, potatoes and 1/4 mile from grapes and sunflowers.

[ ] 10. No Dicamba or Phenoxy herbicide applications allowed beginning March 16 and continuing through October 15, and until grape leaves in the vicinity of the treated area are "browned off".

Revised 10/90

Description of Custom Site Conditions

Condition ID	Long Description

*** LAST PAGE ***

San Joaquin County
Agricultural Commissioner's Office

District J

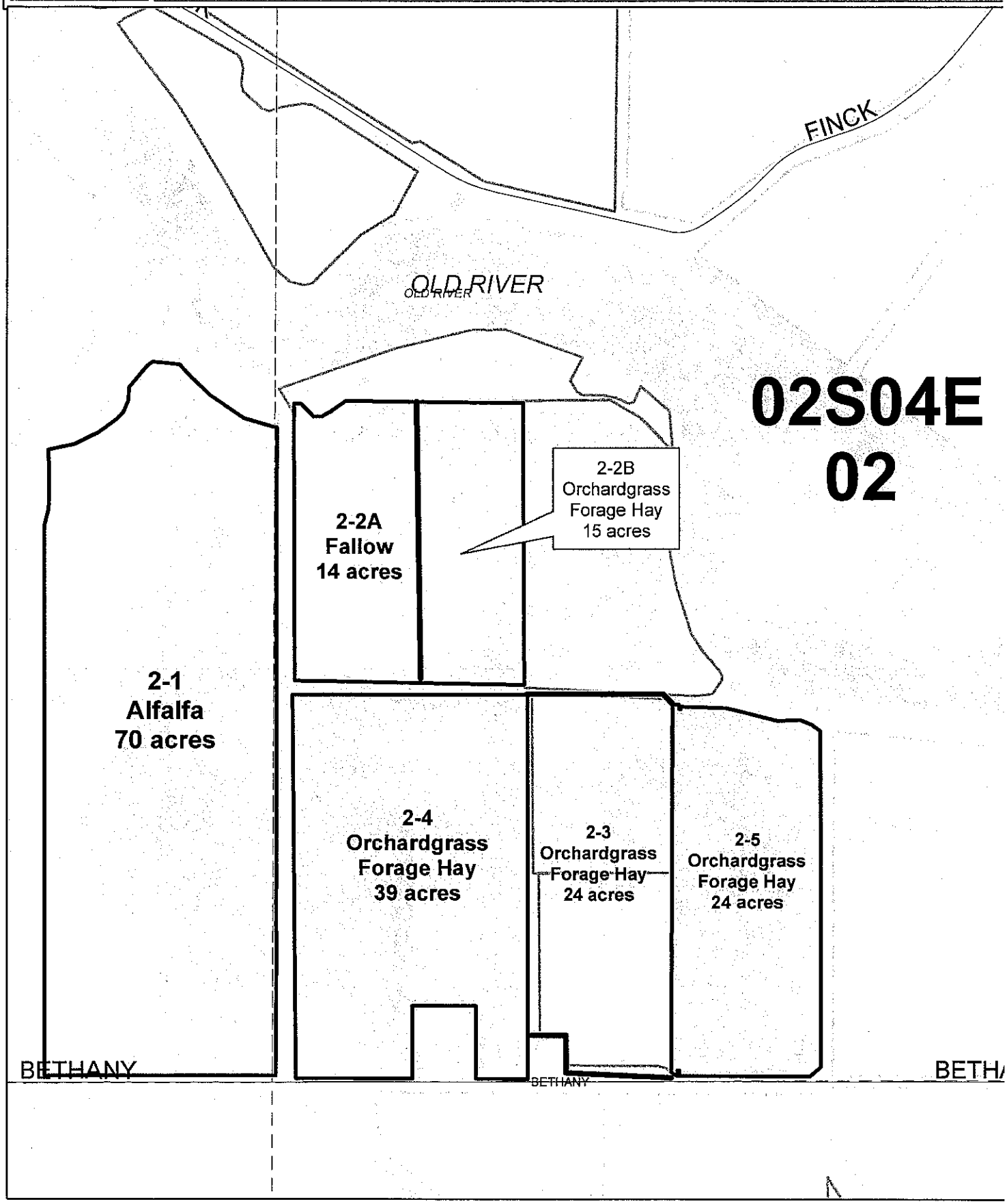
Permittee

Alegre, Stephen

Map # 2

N

Permit # 3902192



San Joaquin County
Agricultural Commissioner's Office

District J

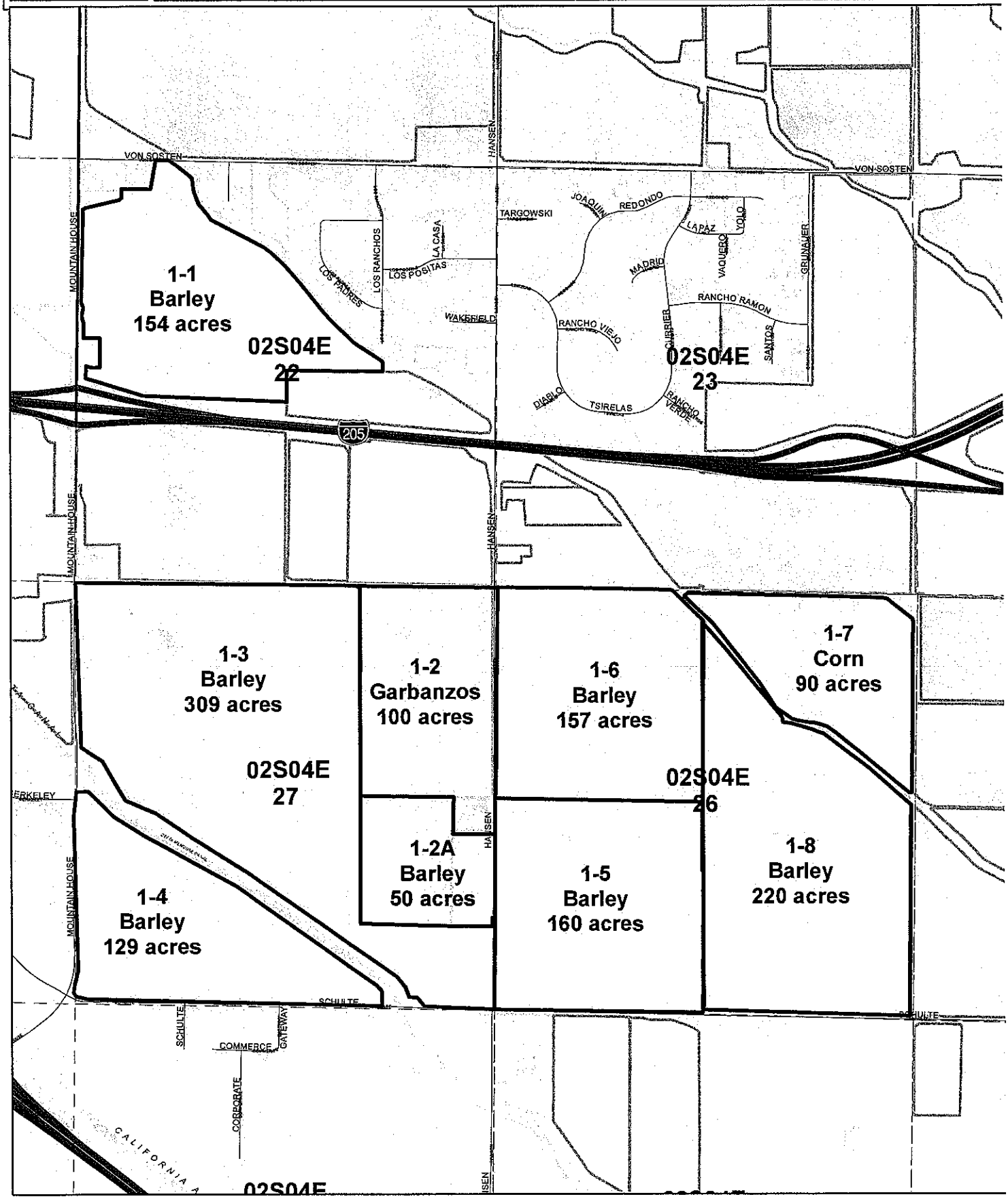
Permittee

Alegre, Stephen

Map # 1

N

Permit # 3902192



San Joaquin County
Agricultural Commissioner's Office

District J

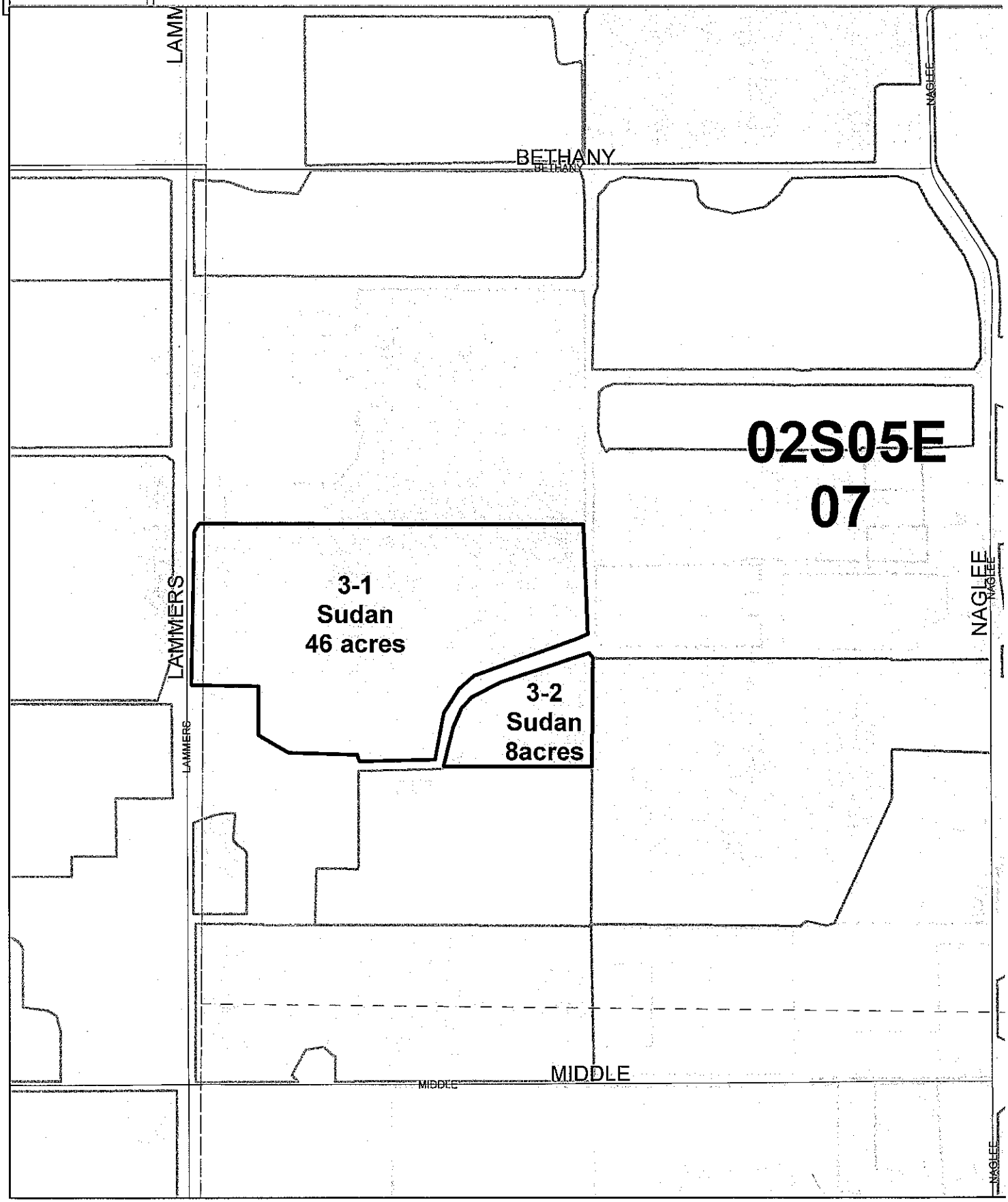
Permittee

Alegre, Stephen

Map #3

N

Permit # 3902192



SAN JOAQUIN COUNTY
2101 E EARHART, SUITE 100
STOCKTON, CA 95206-
Web:www.co.san-joaquin.ca.us/agcomm

Office: (209)953-6000 Fax: (209)953-6022 Recorder (NOI's): (209)953-6000

OPERATOR IDENTIFICATION NUMBER

ALEGRE, STEPHEN
21763 S. LAMMERS RD.
TRACY, CA 95304

STEPHEN ALEGRE
21763 S. LAMMERS RD.
TRACY, CA 95304

Operator Identification #: 39-09-3902192
County District #: I
Expiration Date: December 31, 2009
Effective Date: May 14, 2009

Home Phone:
Shop Phone:
Mobile Phone:
Fax:

Permittee Type: Non-Certified

PCB only Restricted materials

California and Federal restricted materials shall be possessed, used, and stored by a licensed Pest Control Business (PCB) only. Deliver these materials to PCBs only.

Conditions: A,P

See end of permit for code descriptions.

I understand that this permit does not relieve me from liability for any damages to any persons or property caused by the use of these pesticides. I waive any claims of liability for damages against the County Department of Agriculture based on the issuance of this permit. I further understand that this permit may be revoked when pesticides are used in conflict with the manufacturer's labeling or in violation of applicable laws, regulations and specific conditions of this permit. I authorize inspection at all reasonable times and whenever an emergency exists by the Department of Pesticide Regulation or the County Department of Agriculture of all areas treated or to be treated, storage facilities for pesticides or emptied containers and equipment used or to be used in the treatment. I have considered alternatives and mitigation measures pursuant to Title 3, California Code of Regulations, section 6426. Taking into account economic, environmental, social, and technological factors, I have adopted those that are feasible and would substantially lessen any significant adverse impact on the environment.
[Form PR-ENF-125 (Rev. 11/06) Pesticide Enforcement Branch]

Permit Applicant: Stephen M Alegre (Please Print) Signed:

Title: Owner (Please Print) Issue Date:

Issuing Officer: Issue Date: 5-14-09

LETTER OF AUTHORIZATION

RECEIVED
AUG - 7 2009
AGR. COMM. - STOCKTON

To: San Joaquin County Agricultural Commissioner
2101 E. Earhart Ave, Suite 100
Stockton, CA 95206
Fax: 209-953-6022

From: Stephen Negre
OPERATOR OF THE PROPERTY (PRINT NAME)

Stephen Negre PERMIT NUMBER 39-09-3902192
PERMIT NAME

21763 S. Lammers Rd
ADDRESS

Tracy, CA 95304 PHONE
CITY, STATE, ZIP

The authorized representative named below may represent me in obtaining a restricted material permit or operator identification number for use in San Joaquin County. I understand that this authorization does not relieve me of liability for violations of pesticide laws or regulations on my property. This authorization shall remain in effect until I revoke it in writing to the Agricultural Commissioner.

Signature: [signature] Date: 8/6/09
OPERATOR OF THE PROPERTY

Title: PCA

Authorized Representative: Gregory Gonsalves
PRINT NAME

I am the property operator's: [ ] employee; [X] relative; [X] Employee PCA; [ ] other ____
SPECIFY

I hereby certify that the information above is correct to the best of my knowledge. I also understand that, in the event of violation of pesticide laws or regulations, I could be held liable either separately or together with the property operator.

Signature: [signature] Phone: ____
AUTHORIZED REPRESENTATIVE

3CCR 6420(a): *"Permits for agricultural use of a restricted material shall be issued in the name of the operator of the property to be treated. The permittee* ***or when allowed by the commissioner (emphasis added)****, the permittee's authorized representative or licensed pest control adviser, shall sign the permit. The authorized representative or licensed pest control adviser shall provide the commissioner with written documentation from the permittee to act on his/her behalf."*

3CCR 6000: *"Operator of the property" means a person who owns the property and/or is legally entitled to possess or use the property through terms of a lease, rental contract, trust, or other management arrangement.*

Employees do not handle pesticides.

Contact Name	License#	Exp. Date	Phone Number	Contact Type
ALEGRE, STEPHEN	3902192			Grower-Permittee
~~ALEGRE,STEPHEN M~~	~~3900020-00000~~ Expired	~~12/31/2006~~		~~Private Applicator Certificate~~

PERMIT PESTICIDES

Number	Pesticide	Pests	Forms	Methods	Applicators
22541	SLN AVERMECTIN	MITES	All Reg.	Air Ground	PG
99999	NON-PERMIT AG PROD	ALL PESTS	All Reg.	Air Ground	PG

PERMIT COMMODITIES

Crop / Site	Location/Site Narrative/Site Conditions	District	Section / Quantity	Town / Units	Range	Meridian
BEAN DRIED (15001-0)						
1-7	E/HANSEN, N/SCHULTE	J	26 90.00	02S A	04E	M
Site Conditions: P 22541 (SLN AVERMECTIN), 99999 (NON-PERMIT AG PROD),						
2-1	N/BETHANY, S OLD RIVER	J	2 70.00	02S A	04E	M
Site Conditions: P 22541 (SLN AVERMECTIN), 99999 (NON-PERMIT AG PROD),						
2-2	N/BETHANY, S OLD RIVER	J	3 29.00	02S A	04E	M
Site Conditions: P 22541 (SLN AVERMECTIN), 99999 (NON-PERMIT AG PROD),						
3-1	N/VALPICO, S/SCHULTE	J	31 113.00	02S A	05E	M
Site Conditions: P 22541 (SLN AVERMECTIN), 99999 (NON-PERMIT AG PROD),						
UNCUL NON-AG (67000-0)						
ALL	W/HANSEN, N/SCHULTE	J	27 50.00	02S A	04E	M
99999 (NON-PERMIT AG PROD),						
WHEAT (29139-0)						
1-1	SE COR. VON SOSTEN/MOUNTAINHOU JAQUES FARMS	J	22 154.00	02S A	04E	M
99999 (NON-PERMIT AG PROD),						
1-2	E/MOUNTAINHOUSE,N/SCHULTE.	J	27 143.00	02S A	04E	M
99999 (NON-PERMIT AG PROD),						

WHEAT (29139-0)

1-3	E/MOUNTAINHOUSE,N/SCHULTE	J	309.00	27 02S A	04E	M
99999 (NON-PERMIT AG PROD),						
1-4	NE COR. MOUNTAINHOUSE/SCHULTE	J	129.00	27 02S A	04E	M
99999 (NON-PERMIT AG PROD),						
1-5	NE COR. HANSEN & SCHULTE	J	160.00	26 02S A	04E	M
99999 (NON-PERMIT AG PROD),						
1-6	E/HANSEN, N/SCHULTE	J	157.00	26 02S A	04E	M
99999 (NON-PERMIT AG PROD),						
1-7	E/HANSEN, N/SCHULTE	J	90.00	26 02S A	04E	M
99999 (NON-PERMIT AG PROD),						
1-8	E/HANSEN, N/SCHULTE	J	220.00	26 02S A	04E	M
99999 (NON-PERMIT AG PROD),						
2-1	N/BETHANY, S OLD RIVER	J	70.00	2 02S A	04E	M
99999 (NON-PERMIT AG PROD),						

APPLICATION - RESTRICTED MATERIALS PERMIT - SUPPLEMENT

PERMIT NO. 390212

PAGE NO. 1

Alegre, Stephen

LOCATION	SEC	TWN	RNG	MAP ID	COMMODITY	ACRES/ UNITS	PESTICIDES	PESTS	F*	M**	RATE	DILUTION/ VOLUME	APPL	DATE/ TIMING
7. 1-7	26	02S	04E	1	~~Dean Dried~~	90	Section 18 for							
8. 2-1	02	02S	04E	2		70	Agri-Mek 0.15EC							
9. 2-2	03	02S	04E	2		29								
10. 3-1	31	02S	04E	3		113	Expires on:							
11.							08/31/2009							
12.														
13.														
14.							Max number							
15.							of oz: ~~2584oz~~							
16.							~~2584oz~~							
17.							9664oz							
18.														
19.							Supplier							
20.														
21.							Simplot							
22.														
23.														
24.														
25.														
26.														
27.														
28.														
29.														
30.														
31.														

*Formulation: L--Liquid B--Bait D--Dust F--Fumigant G--Granules WP--Wettable Powder O--Other

**Method: A--Air F--Fumigation Gr--Ground O--Other

APPLICANT SIGNATURE _____ DATE 8/7/09

ISSUED BY _____ DATE 08/25/09

DISTRIBUTION: WHITE & YELLOW - COUNTY AGRICULTURAL COMMISSIONER; PINK & GOLD - PERMITTEE

OSP 08 109802

STATE OF CALIFORNIA
DEPARTMENT OF PESTICIDE REGULATION
PR-ENF-125A (REV. 10/07) Page 1 of 1

Description of Conditions on this Permit:

Condition ID	Description
A	Permit Cond.Table of Contents

A - PERMIT CONDITIONS - TABLE OF CONTENTS

WORKERS SAFETY SERIES ATTACHED

[ ] A-1 through A-11 General Information

PERMIT CONDITONS ATTACHED

[X] P - General
[ ] Q - Dicamba & Phenoxy Herbicides - Central Valley/Hazardous Area
[ ] R - Dicamba & Phenoxys - Special Hazardous Area
[ ] S - Metam Sodium & Metam Potassium
[ ] T - Aldicarb (Temik)
[ ] U - Endosulfan (Thiodan)
[ ] V - Rice Pesticides Program
    [ ] - Molinate (Ordram) Worker Safety (A)
    [ ] - Attachments 1-10: Molinate (1, 6), Thiobencarb (2,6,7), Methylparathion (3,9), Seepage Control (5), Propanil (10) and Malathion (voluntary: 4,8).
[ ] W - Methyl Bromide
    [ ] - Soil within greenhouses
    [ ] - Commodity
    [ ] - Soil injection
    [ ] - Tarped potting soil
    [ ] - Single tree site
[ ] X - Furadan chemigation of grapes
[ ] Y - 1, 3 - Dichloropropene
[ ] Z - Other

GROUNDWATER PROTECTION PERMIT CONDITIONS

These conditions apply to pesticides labeled for agricultural, outdoor industrial, or outdoor institutional use that contain chemicals listed in 3CCR section 6800(a): ATRAZINE, SIMAZINE, BROMACIL, DIURON (except products with less than 7% diuron applied to foliage), PROMETON, BENTAZON, AND NORFLURAZON. Ground Water Protection Areas (GWPA), for San Joaquin County, are designated in the Department of Pesticide Regulation document EH03-05. A list of GWPAs may be obtained from the

Commissioner's Office or DPR's website (www.cdpr.ca.gov/docs/gwp).

"Engineered rights of way" are defined as areas within a ground water protection area (GWPA) that are constructed in a way that results in increased runoff and collection of storm water, such as railroad ballasts and berms, public roadsides, and highway median strips or similar areas, but not canal or ditch banks or utility lines.

SPECIFIC GROUNDWATER PROTECTION PERMIT CONDITIONS ATTACHED

GWP-C & D Unlined canal and ditch banks
[ ] 1 - Percolation rate is less than or equal to 0.2 inches per hour
[ ] 2 - Applied six months prior to water run
[ ] 3 - All applications are prohibited below high water line

GWP-ROW Engineered rights-of-way within San Joaquin County GWPAs
[ ] 1A - Soil disturbance within 7 days
[ ] 1B - Incorporation
[ ] 1C - Applied between April 1 and July 31
[ ] 2 - Runoff passes through adjacent fully vegetated noncrop area
[ ] 3 - Compliance with NPDES permit

GWP-R Runoff GWPAs within San Joaquin County
[ ] 1 - Soil disturbance
[ ] 2 - Incorporated
[ ] 3 - Band treatment
[ ] 4 - Applied between April 1 and July 31
[ ] 5 - Runoff water held onsite
[ ] 6 - Runoff water stored offsite
[ ] 7 - Runoff to adjacent fallow field

GWP-L Leaching GWPAs within San Joaquin County
[ ] 1 - No irrigation
[ ] 2 - Bed or berm application
[ ] 3 - Managed irrigation

GWP-Director Director Approved Alternative Management Practices or Interim Use
[ ] 1 - Director approved alternative
[ ] 2 - Director approved interim use

Revised 10/04

P General

CONDITION - P - General

In addition to all applicable laws, regulations, label restrictions and other more restrictive conditions of this permit, THE FOLLOWING CONDITIONS APPLY TO APPLICATIONS COVERED BY THIS PERMIT.

1. Maximum wind velocities for applications of Restricted Materials unless otherwise covered by the label, law, regulation, other permit conditions or environmental conditions at the application site are:

   a. Spray - 12 m.p.h.
   b. Dust - 8 m.p.h.
   c. Pellets, granular or baits - 16 m.p.h.

2. No pesticide application shall be made or continued when there is the likelihood of contaminating any persons, non-target crops, animals or other public or private property.

3. Unless specifically named as a dust on this permit, NO DUST FORMULATIONS are allowed.

4. Apply pesticides covered by SLN(s) and Section 18(s) in conformance with the SLN(s) and Section 18(s).

5. A flagger is required at the application site for all AIR applications of Zinc Phosphide bait.

Revised 10/90

Description of Custom Site Conditions

Condition ID	Long Description

*** LAST PAGE ***

San Joaquin County
Agricultural Commissioner's Office

District J

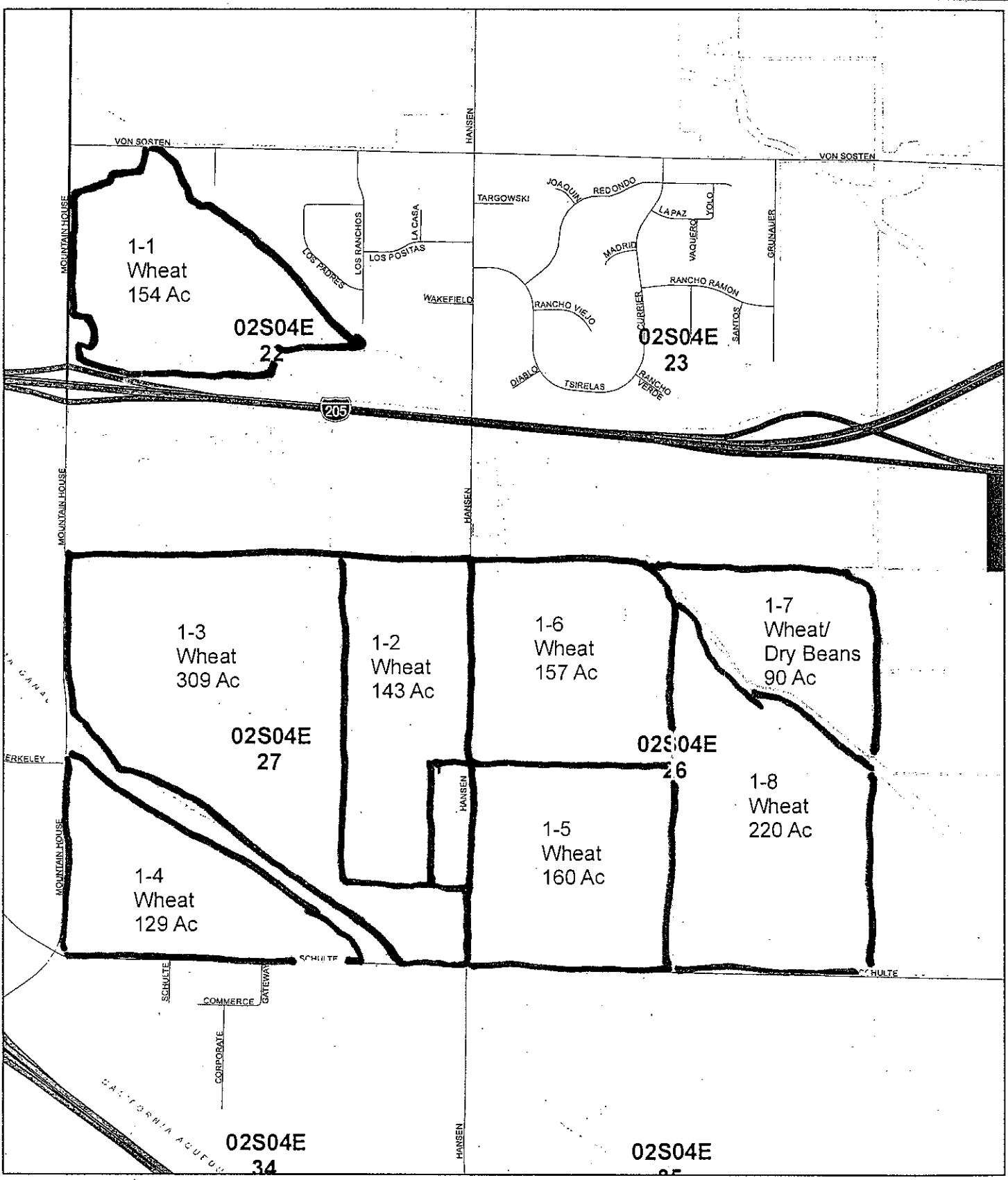
Permit # 3902192

Permittee

Alegre, Stephen

Map # 1

N



San Joaquin County
Agricultural Commissioner's Office

Permit # 3902192

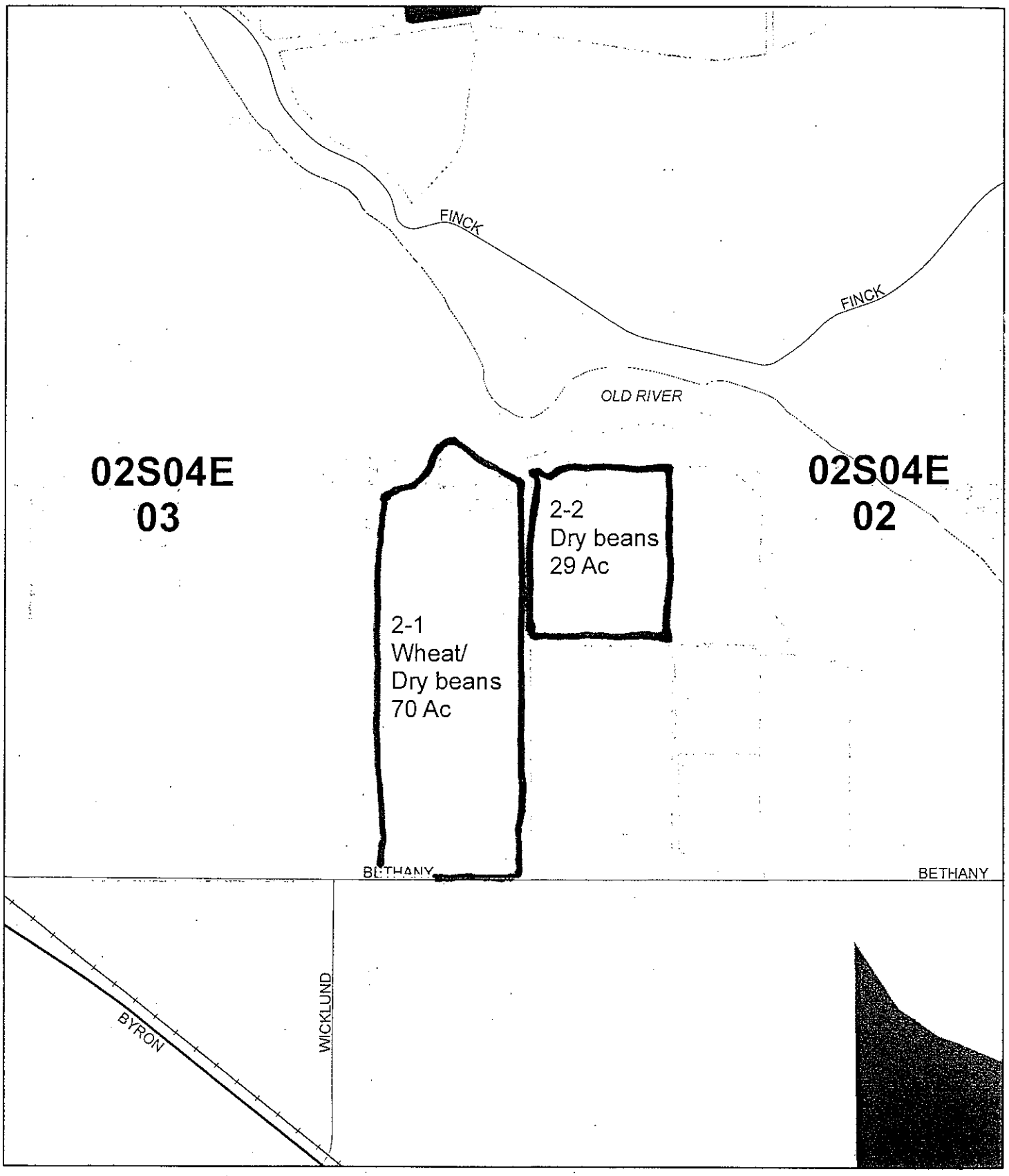
District J

Permittee

Alegre, Stephen

Map # 2

N



San Joaquin County
Agricultural Commissioner's Office

District J

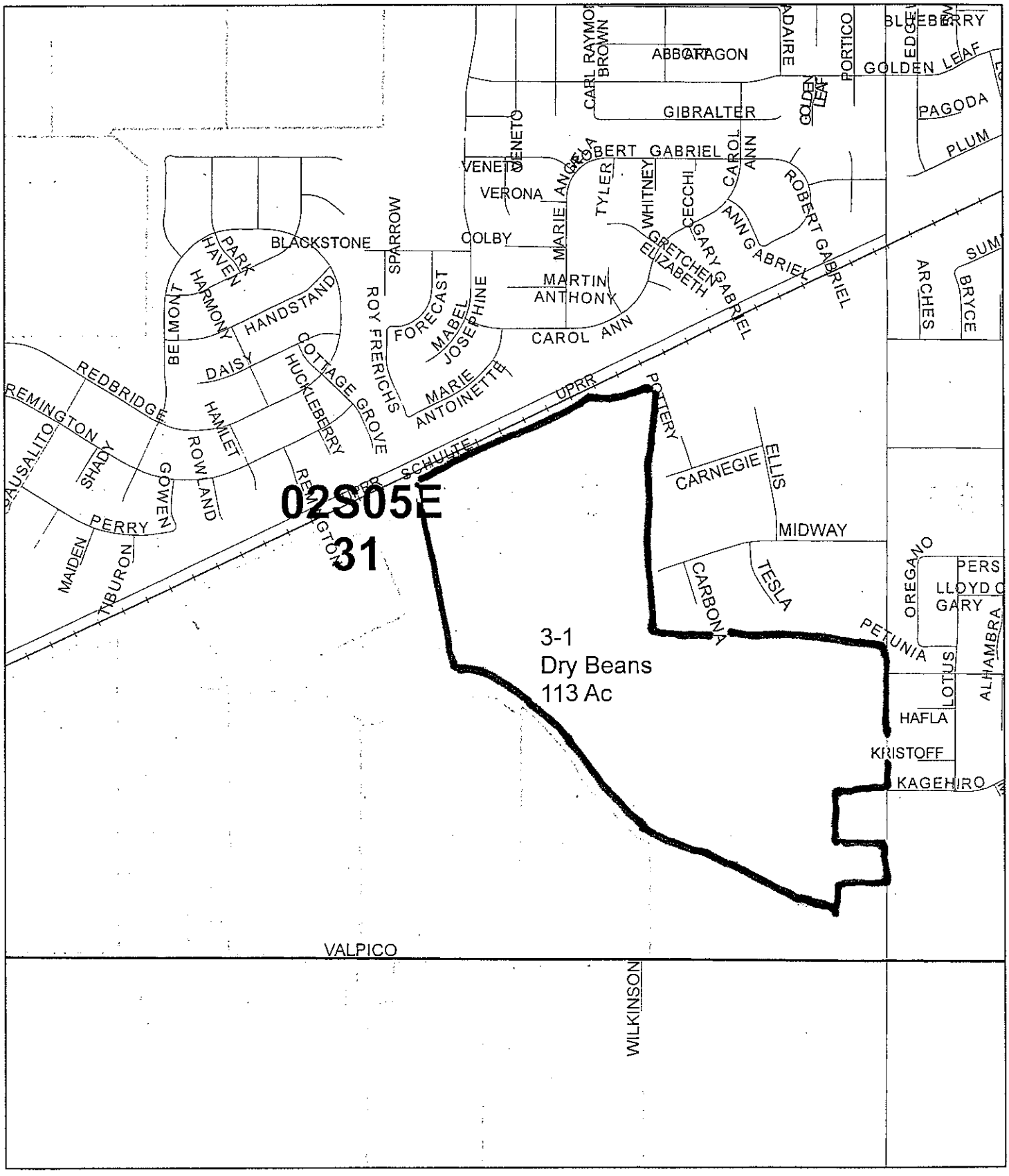
Permit # 3902192

Map # 3

N

Permittee

Alegre, Stephen



SAN JOAQUIN COUNTY
2101 E EARHART. SUITE 100
STOCKTON, CA 95206-
Web:www.co.san-joaquin.ca.us/agcomm

Office: (209)953-6000 Fax: (209)953-6022 Recorder (NOI's): (209)953-6000

OPERATOR IDENTIFICATION NUMBER

ALEGRE STEPHEN
21763 S LAMMERS RD
TRACY CA 95304

STEPHEN ALEGRE
21763 S LAMMERS RD
TRACY CA 95304

Operator Identification #: 39-08-3902192
County District #: 1
Expiration Date: December 31, 2008
Effective Date: ~~January 1, 1990~~ Sept 12 2008
Home Phone:
Shop Phone:
Mobile Phone:
Fax:

Permittee Type: Non-Certified

Conditions: A,P

See end of permit for code descriptions.

I understand that this permit does not relieve me from liability for any damages to any persons or property caused by the use of these pesticides. I waive any claims of liability for damages against the County Department of Agriculture based on the issuance of this permit. I further understand that this permit may be revoked when pesticides are used in conflict with the manufacturer's labeling or in violation of applicable laws, regulations and specific conditions of this permit. I authorize inspection at all reasonable times and whenever an emergency exists by the Department of Pesticide Regulation or the County Department of Agriculture of all areas treated or to be treated, storage facilities for pesticides or emptied containers and equipment used or to be used in the treatment. I have considered alternatives and mitigation measures pursuant to Title 3, California Code of Regulations, section 6426. Taking into account economic, environmental, social, and technological factors, I have adopted those that are feasible and would substantially lessen any significant adverse impact on the environment.
[Form PR-ENF-125 (Rev. 1/06) Pesticide Enforcement Branch]

Permit Applicant: Stephen M Alegre (Please Print) Signed:

Title: Owner (Please Print) Issue Date: 9-12-08

Issuing Officer: Cynthia J. King Tom Dawson Issue Date: 9/12/08

Employees do not handle pesticides.

Contact Name	License#	Exp. Date	Phone Number	Contact Type
ALEGRE, STEPHEN	3902192			Grower-Permittee
ALEGRE,STEPHEN M	3900028-00000	12/31/2006		Pesticide Applicator Certified

PERMIT PESTICIDES

Number	Pesticide	Pests	Forms	Methods	Applicators
99999	NON-PERMIT AG PROD	ALL PESTS	All Reg.	Air Ground	PG

PERMIT COMMODITIES

Crop / Site	Location/Site Narrative/Site Conditions	District	Section / Quantity	Town / Units	Range	Meridian
BARLEY (29103-0)						
1-2	E/MOUNTAINHOUSE,N/SCHULTE	J	27 143.00	02S A	04E	M
	99999 (NON-PERMIT AG PROD),					
1-3	E/MOUNTAINHOUSE,N/SCHULTE	J	27 309.00	02S A	04E	M
	99999 (NON-PERMIT AG PROD),					
1-4	NE COR. MOUNTAINHOUSE/SCHULTE	J	27 129.00	02S A	04E	M
	99999 (NON-PERMIT AG PROD),					
1-5	NE COR. HANSEN & SCHULTE	J	26 160.00	02S A	04E	M
	99999 (NON-PERMIT AG PROD),					
1-6	E/HANSEN, N/SCHULTE	J	26 157.00	02S A	04E	M
	99999 (NON-PERMIT AG PROD),					
1-7	E/HANSEN, N/SCHULTE	J	26 90.00	02S A	04E	M
	99999 (NON-PERMIT AG PROD),					
1-8	E/HANSEN, N/SCHULTE	J	26 220.00	02S A	04E	M
	99999 (NON-PERMIT AG PROD),					
SUDANGRASS (22011-0)						

SUDANGRASS (22011-0)

1-1	SE COR. VON SOSTEN/MOUNTAINHOU JAQUES FARMS	J	22	02S	04E	M
			154.00	A		
99999 (NON-PERMIT AG PROD),						
1-7	E/HANSEN, N/SCHULTE	J	26	02S	04E	M
			90.00	A		
99999 (NON-PERMIT AG PROD),						

UNCUL NON-AG (67000-0)

ALL	W/HANSEN, N/SCHULTE	J	27	02S	04E	M
			50.00	A		
99999 (NON-PERMIT AG PROD),						

WHEAT (29139-0)

1-1	SE COR. VON SOSTEN/MOUNTAINHOU JAQUES FARMS	J	22	02S	04E	M
			154.00	A		
99999 (NON-PERMIT AG PROD),						

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A	Permit Cond.Table of Contents

A - PERMIT CONDITIONS - TABLE OF CONTENTS

WORKERS SAFETY SERIES ATTACHED

[ ] A-1 through A-11 General Information

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[ ] R - Dicamba & Phenoxys - Special Hazardous Area
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[ ] T - Aldicarb (Temik)
[ ] U - Endosulfan (Thiodan)
[ ] V - Rice Pesticides Program
    [ ] - Molinate (Ordram) Worker Safety (A)
    [ ] - Attachments 1-10: Molinate (1, 6), Thiobencarb (2,6,7), Methylparathion (3,9), Seepage Control (5), Propanil (10) and Malathion (voluntary: 4,8).
[ ] W - Methyl Bromide
    [ ] - Soil within greenhouses
    [ ] - Commodity
    [ ] - Soil injection
    [ ] - Tarped potting soil
    [ ] - Single tree site
[ ] X - Furadan chemigation of grapes
[ ] Y - 1, 3 - Dichloropropene
[ ] Z - Other

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A list of GWPAs may be obtained from the Commissioner's Office or DPR's website (www.cdpr.ca.gov/docs/gwp).

"Engineered rights of way" are defined as areas within a ground water protection area (GWPA) that are constructed in a way that results in increased runoff and collection of storm water, such as railroad ballasts and berms, public roadsides, and highway median strips or similar areas, but not canal or ditch banks or utility lines.

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Revised 10/04

P General

CONDITION - P - General

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   b. Dust - 8 m.p.h.
   c. Pellets, granular or baits - 16 m.p.h.

2. No pesticide application shall be made or continued when there is the likelihood of contaminating any persons, non-target crops, animals or other public or private property.

3. Unless specifically named as a dust on this permit, NO DUST FORMULATIONS are allowed.

4. Apply pesticides covered by SLN(s) and Section 18(s) in conformance with the SLN(s) and Section 18(s).

5. A flagger is required at the application site for all AIR applications of Zinc Phosphide bait.

Revised 10/90

Description of Custom Site Conditions

Condition ID	Long Description

*** LAST PAGE ***

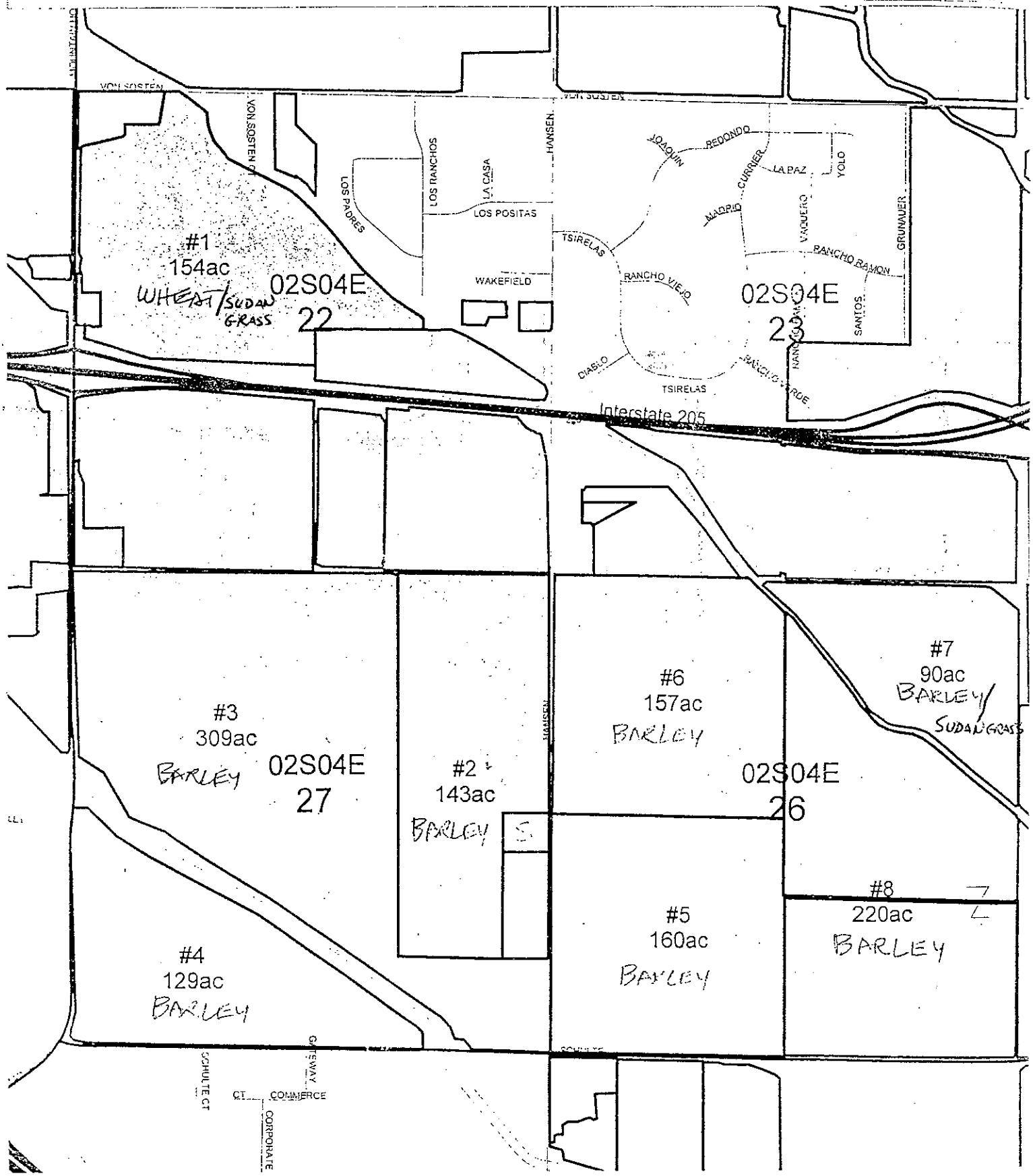
District 3

Permit # 3902192

Permittee Alegre, Stephen

Map # 1

2008



SAN JOAQUIN COUNTY AGRICULTURAL COMMISSIONERS OFFICE
2101 E EARHART AVE, SUITE 100
STOCKTON, CA 95206
Office: (209) 953-6000 Fax: (209) 953-6022
Email: stocktonag2@sjgov.org Web: www.co.san-joaquin.ca.us/agcomm

RESTRICTED MATERIALS PERMIT: 39-13-3902168

Operator: GOUVAIA, MARK
24380 HANSEN RD
TRACY, CA 95377

Agent: MARK GOUVAIA

3902168-2013-Version: 1
County District #: A
Issued on: 1-17-13
Valid as of: 1-17-13
Expires on: 12/31/2015

Primary Phone:
Alternate Phone:
Mobile Phone:
Fax:

Type of Use: Agricultural Use
Pesticide Possession: Possession and Use
Permit Duration: Seasonal

Notices Of Intent required 24 hours prior to application of pesticide containing restricted materials

Permit Conditions: A, P, Q, B

See condition detail for code descriptions.

Regulatory Notes:

I understand that this permit does not relieve me from liability for any damages to any persons or property caused by the use of these pesticides. I waive any claims of liability for damages against the County Department of Agriculture based on the issuance of this permit. I further understand that this permit may be revoked when pesticides are used in conflict with the manufacturer's labeling or in violation of applicable laws, regulations, and specific conditions of this permit. I authorize inspection at all reasonable times and whenever an emergency exists by the Department of Pesticide Regulation or the County Department of Agriculture of all areas treated or to be treated, storage facilities for pesticides or emptied containers and equipment used or to be used in the treatment. I have considered alternative and mitigation measures pursuant to Title 3, California Code of Regulations, section 6426. Taking into account economic, environmental, social, and technological factors, I have adopted those that are feasible and would substantially lessen any significant adverse impact on the environment.

[Form PR-ENF-125 (Rev 11/06) Pesticide Enforcement Branch]

Applicant: MARK Gouvaia — owner
(Name & Title)

Applicant Signature: Mark Gouvaia Date: 1-17-2013

Issuing Officer: Jon Dawson Date: 1/14/2013

CONTACT LIST

Name	Auth Rep.	Phone	License	Expiration	Contact Type
GOUVAIA, MARK A			3900237	12/31/2015	Private Applicator Certificate

PESTICIDES LIST

Number	Pesticide	Pests	Forms	Methods	Applicators
2000	DICAMBA	BROADLEAF WEEDS	All Reg.	Air/Ground	PCB/Operator
3830	METHOMYL	INSECTS	All Reg.	Air/Ground	PCB/Operator
4780	PHORATE	APHIDS	All Reg.	Air/Ground	PCB/Operator
7860	MCPA, DIMETHYLAMINE	BROADLEAF WEEDS	All Reg.	Air/Ground	PCB/Operator
9801	2,4-D AMINE	BROADLEAF WEEDS	All Reg.	Air/Ground	PCB/Operator
16011	PARAQUAT	WEEDS	All Reg.	Air/Ground	PCB/Operator

SITES LIST

Site	Location | Site Name Commodity Name/Code	Quantity	District	Section (MTRS)
1-1	S/I-205 & E/HANSEN		A	M02S04E22
	OAT FOR/FOD / 22006-0	3 ACRES		
Pesticide #s:	2000 (DICAMBA), 4780 (PHORATE), 7860 (MCPA, DIMETHYLAMINE), 9801 (2,4-D AMINE), 16011 (PARAQUAT)			
	SOIL FUM/PREPLT / 40008-0	3 ACRES		
Pesticide #s:	9801 (2,4-D AMINE), 16011 (PARAQUAT)			
Conditions:	B - RM Use Near Schools, P - General, Q - Dicamba & Phenoxy Herbicide CV			
1-2	E/HANSEN,S/I-205		A	M02S04E23
	OAT FOR/FOD / 22006-0	2 ACRES		
Pesticide #s:	2000 (DICAMBA), 4780 (PHORATE), 7860 (MCPA, DIMETHYLAMINE), 9801 (2,4-D AMINE), 16011 (PARAQUAT)			
	SOIL FUM/PREPLT / 40008-0	2 ACRES		
Pesticide #s:	9801 (2,4-D AMINE), 16011 (PARAQUAT)			
Conditions:	B - RM Use Near Schools, P - General, Q - Dicamba & Phenoxy Herbicide CV			
1-4	S/I-205 & E/HANSEN		A	M02S04E22
	OAT FOR/FOD / 22006-0	12 ACRES		
Pesticide #s:	2000 (DICAMBA), 4780 (PHORATE), 7860 (MCPA, DIMETHYLAMINE), 9801 (2,4-D AMINE), 16011 (PARAQUAT)			
	SOIL FUM/PREPLT / 40008-0	12 ACRES		
Pesticide #s:	9801 (2,4-D AMINE), 16011 (PARAQUAT)			
Conditions:	B - RM Use Near Schools, P - General, Q - Dicamba & Phenoxy Herbicide CV			

4-1	MAP 4 FIELD 1 NW CORNER LAMMERS & SCHULTE	A	M02S04E25
	OAT FOR/FOD / 22006-0 8 ACRES		
Pesticide #s:	2000 (DICAMBA), 4780 (PHORATE), 7860 (MCPA, DIMETHYLAMINE), 9801 (2,4-D AMINE), 16011 (PARAQUAT)		
	SOIL FUM/PREPLT / 40008-0 8 ACRES		
Pesticide #s:	9801 (2,4-D AMINE), 16011 (PARAQUAT)		
Conditions:	B - RM Use Near Schools, P - General, Q - Dicamba & Phenoxy Herbicide CV		

2-1	S/GRANTLINE & SW BYRON RD	A	M02S04E13
	SOIL FUM/PREPLT / 40008-0 15 ACRES		
Pesticide #s:	9801 (2,4-D AMINE), 16011 (PARAQUAT)		
Conditions:	B - RM Use Near Schools, P - General, Q - Dicamba & Phenoxy Herbicide CV		

1-3	E/MTN. HOUSE & N/I-205	A	M02S04E23
	SOIL FUM/PREPLT / 40008-0 8 ACRES		
Pesticide #s:	9801 (2,4-D AMINE), 16011 (PARAQUAT)		
Conditions:	B - RM Use Near Schools, P - General, Q - Dicamba & Phenoxy Herbicide CV		

4-2	MAP 4 FIELD 2 NW CORNER LAMMERS & SCHULTE	A	M02S04E25
	SOIL FUM/PREPLT / 40008-0 32 ACRES		
Pesticide #s:	9801 (2,4-D AMINE), 16011 (PARAQUAT)		
	SUDANGRASS / 22011-0 32 ACRES		
Pesticide #s:	2000 (DICAMBA), 3830 (METHOMYL), 7860 (MCPA, DIMETHYLAMINE), 9801 (2,4-D AMINE), 16011 (PARAQUAT)		
Conditions:	B - RM Use Near Schools, P - General, Q - Dicamba & Phenoxy Herbicide CV		

ALL	SE HANSEN & I-205	A	M02S04E23
	UNCUL NON-AG / 67000-0 2 ACRES		
Pesticide #s:	9801 (2,4-D AMINE), 16011 (PARAQUAT)		
Conditions:	B - RM Use Near Schools, P - General, Q - Dicamba & Phenoxy Herbicide CV		

OPERATION-WIDE CONDITIONS

A **Permit Cond.Table of Contents**

A - PERMIT CONDITIONS - TABLE OF CONTENTS

WORKERS SAFETY SERIES ATTACHED

[ ] A-1 through A-11 General Information

PERMIT CONDITONS ATTACHED
[X] B- RM Use Near Schools
[X] O- Aluminum Phosphide in Rodent Burrows
[X] P - General
[X] Q - Dicamba & Phenoxy Herbicides - Central Valley/Hazardous Area
[ ] R - Dicamba & Phenoxys - Special Hazardous Area
[ ] S - Metam Sodium, Metam Potassium, Dazomet
[ ] T - Aldicarb (Temik)
[ ] U - Endosulfan (Thiodan)
[ ] V - Rice Pesticides Program

[ ] - Attachments 1-5 Thiobencarb (Forms A,B)
[ ] W - Methyl Bromide / Sulfuryl Fluoride
[ ] - Soil within greenhouses
[ ] - Commodity
[ ] - Soil injection
[ ] - Tarped potting soil
[ ] - Single tree site
[ ] X - Furadan chemigation of grapes
[ ] Y - 1, 3 - Dichloropropene
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SPECIFIC GROUNDWATER PROTECTION PERMIT CONDITIONS ATTACHED

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[ ] 1A - Soil disturbance within 7 days
[ ] 1B - Incorporation
[ ] 1C - Applied between April 1 and July 31
[ ] 2 - Runoff passes through adjacent fully vegetated noncrop area
[ ] 3 - Compliance with NPDES permit
[ ] 4 - Runoff through adjacent area as overland flow

GWP-R Runoff GWPAs within San Joaquin County
[ ] 1 - Soil disturbance
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[ ] 4 - Applied between April 1 and July 31
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[ ] 1 - Director approved alternative
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Revised 11/11

P **General**

CONDITION - P - General

In addition to all applicable laws, regulations, label restrictions and other more restrictive conditions of this permit, THE FOLLOWING CONDITIONS APPLY TO APPLICATIONS COVERED BY THIS PERMIT.

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3. Unless specifically named as a dust on this permit, NO DUST FORMULATIONS are allowed.

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5. A flagger is required at the application site for all AIR applications of Zinc Phosphide bait.

Revised 10/90

Q Dicamba & Phenoxy Herbicide CV

CONDITION - Q - DICAMBA AND PHENOXY HERBICIDES - CENTRAL VALLEY/HAZARDOUS AREA

In addition to all applicable laws, regulations and label restrictions, the CONDITIONS CHECKED BELOW APPLY to applications covered by this permit.

[X] 1. No ester formulation applications allowed.

[ ] 2. A smoke column is required at the application site for all Phenoxy and Dicamba applications by aircraft beginning March 16 and continuing through October 15.

[X] 3. Do not discharge material more than 10 feet above the crop or target.

[ ] 4. A drift reducing agent shall be added to the spray mixture at label rates.

[X] 5. Maximum wind velocity for Phenoxy herbicides - 10 m.p.h.

[X] 6. Maximum wind velocity for Dicamba - 10 m.p.h. EXCEPT when wind is moving in direction of sensitive crops, the maximum wind velocity - 5 m.p.h.

[ ] 7. No Dicamba application allowed in the vicinity of sensitive crops when the maximum temperature on the day of application is predicted to exceed 85 degrees fahrenheit. Predicted temperature for the following day will be determined by the NOAA - National Weather Service.

[ ] 8. Dicamba applications by aircraft are restricted to a minimum distance of 2 miles from the following susceptible crops: beans, grapes, sunflower, tomato, safflower, curcurbits, potatoes.

[ ] 9. Dicamba applications by ground are restricted to a minimum distance of 20 feet from the following susceptible crops: beans, safflower, tomato, curcurbits, potatoes and 1/4 mile from grapes and sunflowers.

[X] 10. No Dicamba or Phenoxy herbicide applications allowed beginning March 16 and continuing through October 15, and until grape leaves in the vicinity of the treated area are "browned off".

Revised 10/90

B **RM Use Near Schools**

RESTRICTED MATERIALS USE NEAR SCHOOLS

No applications of Restricted Materials shall be made by air or ground within 660 feet of a school in session or when a school sponsored event is in progress. If the pesticide label or regulation requires a larger buffer area, the larger buffer shall apply. There will be no waiver of the required 24 hour Notice of Intent.

These conditions do not apply to the following ground applications:
1.Vertebrate pest control
2.Back-pack applications
3.Equipment where all nozzles are pointing down AND wind direction is periodically measured as moving away from the school site
4.Other CAC approved methods

NOTE: The uses of soil fumigants and their corresponding buffer zones are covered by DPR suggested permit conditions or by label.

SITE CONDITIONS

B **RM Use Near Schools**

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P **General**

CONDITION - P - General

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1. Maximum wind velocities for applications of Restricted Materials unless otherwise covered by the label, law, regulation, other permit conditions or environmental conditions at the application site are:

a. Spray - 12 m.p.h.
b. Dust - 8 m.p.h.
c. Pellets, granular or baits - 16 m.p.h.

2. No pesticide application shall be made or continued when there is the likelihood of contaminating any persons, non-target crops, animals or other public or private property.

3. Unless specifically named as a dust on this permit, NO DUST FORMULATIONS are allowed.

4. Apply pesticides covered by SLN(s) and Section 18(s) in conformance with the SLN(s) and Section 18(s).

5. A flagger is required at the application site for all AIR applications of Zinc Phosphide bait.

Revised 10/90

Q Dicamba & Phenoxy Herbicide CV

CONDITION - Q - DICAMBA AND PHENOXY HERBICIDES - CENTRAL VALLEY/HAZARDOUS AREA

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Revised 10/90

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Agricultural Commissioner's Office

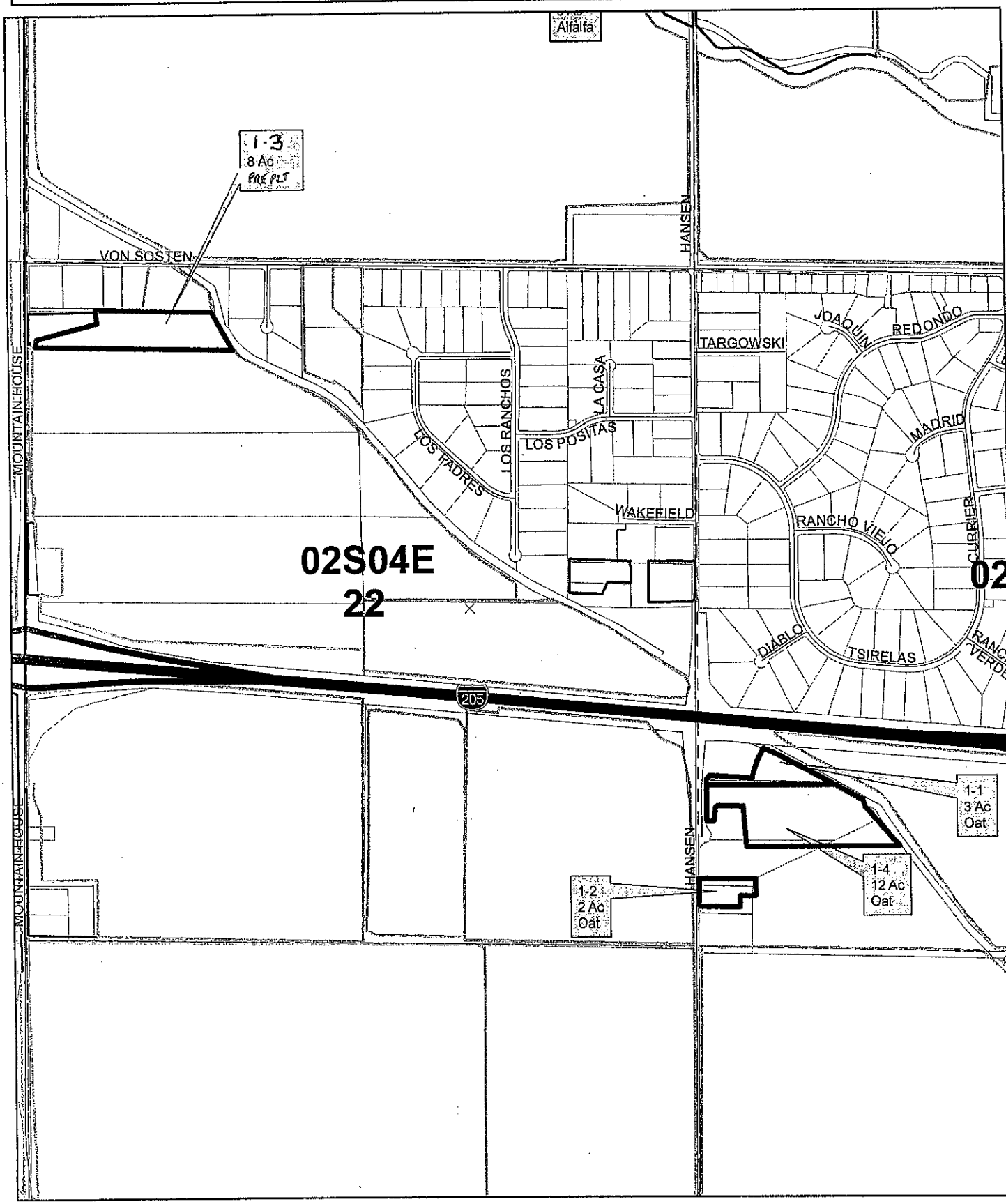
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District A
Permittee

Gouvaia, Mark

Map #
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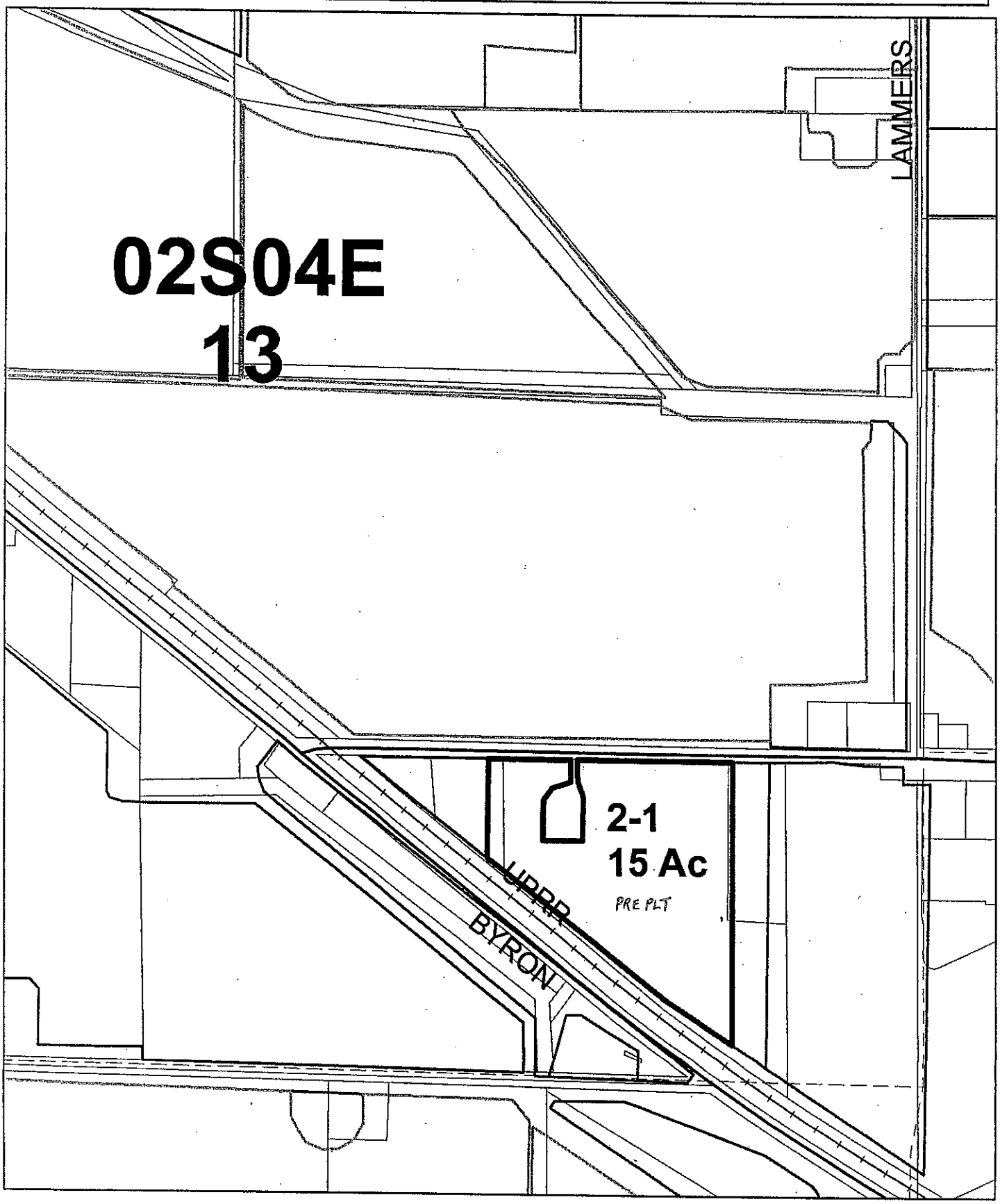
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Agricultural Commissioner's Office

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District A
Permittee

Gouvaia, Mark

Map #
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San Joaquin County
Agricultural Commissioner's Office

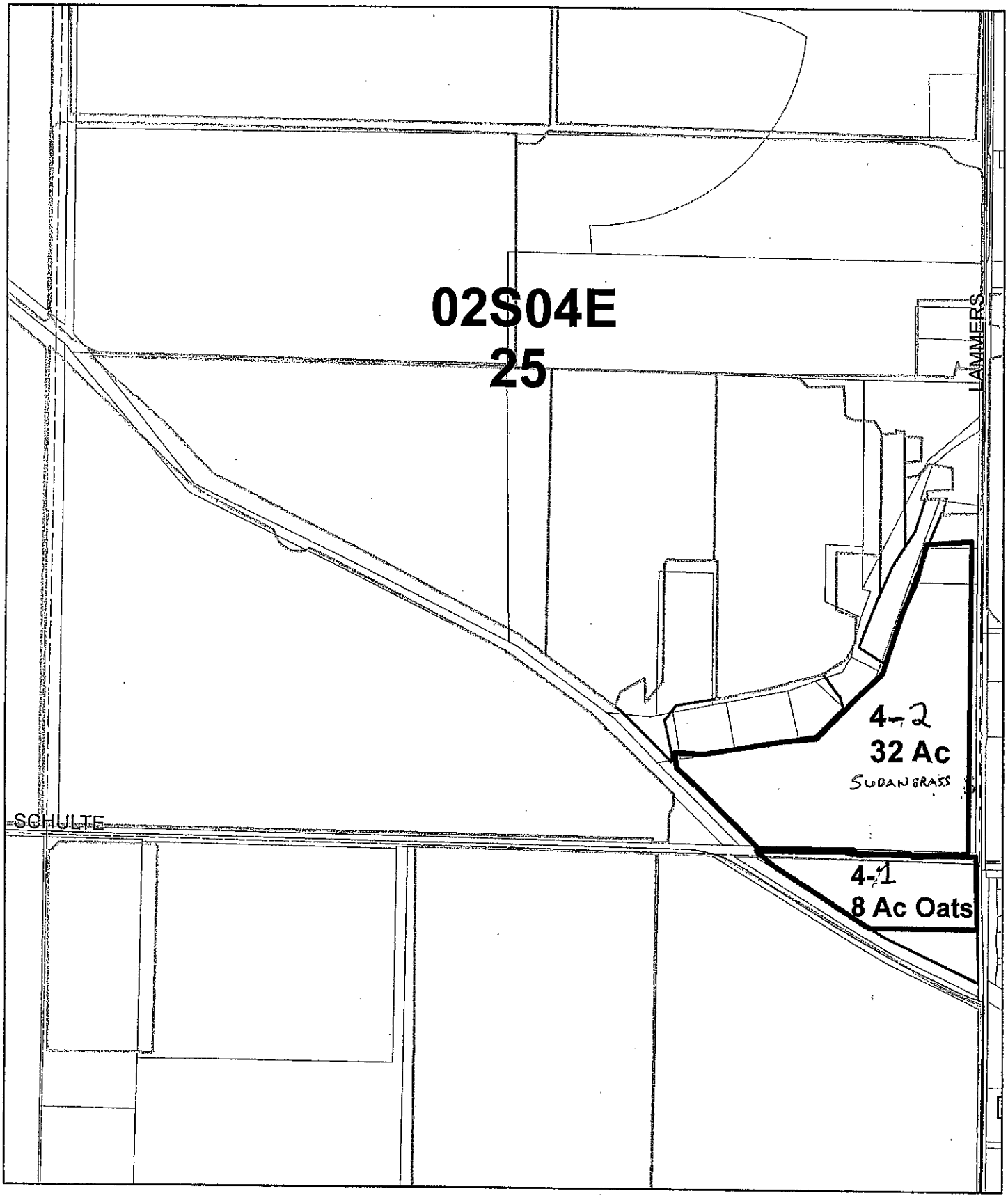
3902168

District A
Permittee

Gouvaia, Mark

Map # 4

N



ORIGINAL

SAN JOAQUIN COUNTY AGRICULTURAL COMMISSIONERS OFFICE
2101 E EARHART AVE, SUITE 100
STOCKTON, CA 95206
Office: (209) 953-6000 Fax: (209) 953-6022
Email: stocktonag2@sjgov.org Web: www.co.san-joaquin.ca.us/agcomm

2012

RESTRICTED MATERIALS PERMIT: 39-12-3902168

Operator: GOUVAIA, MARK
24380 HANSEN RD
TRACY, CA 95377

Attention: MARK GOUVAIA

3902168-2012-Version: 1
County District #: A
Issued on: 1/1/12
Valid as of: 1/1/2012
Expires on: 12/31/2012

Home Phone:
Office Phone:
Mobile Phone:
Fax:

Type of Use: Agricultural Use
Pesticide Possession: Possession and Use
Permit Duration: Seasonal

Notices Of Intent required 24 hours prior to application of pesticide containing restricted materials

Conditions: A, P, Q

See condition detail for code descriptions.

Regulatory Notes:

I understand that this permit does not relieve me from liability for any damages to any persons or property caused by the use of these pesticides. I waive any claims of liability for damages against the County Department of Agriculture based on the issuance of this permit. I further understand that this permit may be revoked when pesticides are used in conflict with the manufacturer's labeling or in violation of applicable laws, regulations, and specific conditions of this permit. I authorize inspection at all reasonable times and whenever an emergency exists by the Department of Pesticide Regulation or the County Department of Agriculture of all areas treated or to be treated, storage facilities for pesticides or emptied containers and equipment used or to be used in the treatment. I have considered alternative and mitigation measures pursuant to Title 3, California Code of Regulations, section 6426. Taking into account economic, environmental, social, and technological factors, I have adopted those that are feasible and would substantially lessen any significant adverse impact on the environment.

[Form PR-ENF-125 (Rev 11/06) Pesticide Enforcement Branch]

Applicant: MARK Gouvaia (Name & Title) owner

Applicant Signature: Mark Gouvaia Date: 12/21/2011

Issuing Officer: Tom Dawson Date: 12/19/2011

CONTACT LIST

Name	Auth Rep.	Phone	License	Expiration	Contact Type
GOUVAIA, MARK A			3900237	12/31/2012	Private Applicator Certificate

PESTICIDES LIST

Number	Pesticide	Pests	Forms	Methods	Applicators
1060	CARBOFURAN	APHIDS	All Reg.	Air/Ground	PCB/Operator
2000	DICAMBA	BROADLEAF WEEDS	All Reg.	Air/Ground	PCB/Operator
3140	AZINPHOS-METHYL	INSECTS	All Reg.	Air/Ground	PCB/Operator
3830	METHOMYL	INSECTS	All Reg.	Air/Ground	PCB/Operator
3940	METHYL PARATHION	INSECTS	All Reg.	Air/Ground	PCB/Operator
4780	PHORATE	APHIDS	All Reg.	Air/Ground	PCB/Operator
5540	STRYCHNINE	RODENTS	All Reg.	Ground	PCB/Operator
7860	MCPA, DIMETHYLAMINE	BROADLEAF WEEDS	All Reg.	Air/Ground	PCB/Operator
8041	2,4-DB	WEEDS	All Reg.	Air/Ground	PCB/Operator
9801	2,4-D AMINE	BROADLEAF WEEDS	All Reg.	Air/Ground	PCB/Operator
16011	PARAQUAT	WEEDS	All Reg.	Air/Ground	PCB/Operator

SITES LIST

Site	Location Commodity Name/Code	Quantity	Pesticide #s	District	Section (MTRS)
1-1	S/I-205 & E/HANSEN			A	M02S04E22
	OAT FOR/FOD / 22006-0	3 ACRES	2000 (DICAMBA), 4780 (PHORATE), 7860 (MCPA, DIMETHYLAMINE), 9801 (2,4-D AMINE), 16011 (PARAQUAT)		
	SOIL FUM/PREPLT / 40008-0	3 ACRES	9801 (2,4-D AMINE), 16011 (PARAQUAT)		
Conditions:	P - General, Q - Dicamba & Phenoxy Herbicide CV				
1-2	E/HANSEN,S/I-205			A	M02S04E23
	OAT FOR/FOD / 22006-0	2 ACRES	2000 (DICAMBA), 4780 (PHORATE), 7860 (MCPA, DIMETHYLAMINE), 9801 (2,4-D AMINE), 16011 (PARAQUAT)		
	SOIL FUM/PREPLT / 40008-0	2 ACRES	9801 (2,4-D AMINE), 16011 (PARAQUAT)		
Conditions:	P - General, Q - Dicamba & Phenoxy Herbicide CV				
1-3	E/MTN. HOUSE & N/I-205			A	M02S04E23
	OAT FOR/FOD / 22006-0	8 ACRES	2000 (DICAMBA), 4780 (PHORATE), 7860 (MCPA, DIMETHYLAMINE), 9801 (2,4-D AMINE), 16011 (PARAQUAT)		
	SOIL FUM/PREPLT / 40008-0	8 ACRES	9801 (2,4-D AMINE), 16011 (PARAQUAT)		
Conditions:	P - General, Q - Dicamba & Phenoxy Herbicide CV				
1-4	S/I-205 & E/HANSEN			A	M02S04E22

	OAT FOR/FOD / 22006-0	12 ACRES	2000 (DICAMBA), 4780 (PHORATE), 7860 (MCPA, DIMETHYLAMINE), 9801 (2,4-D AMINE), 16011 (PARAQUAT)
	SOIL FUM/PREPLT / 40008-0	12 ACRES	9801 (2,4-D AMINE), 16011 (PARAQUAT)
Conditions:	P - General, Q - Dicamba & Phenoxy Herbicide CV		

2-1	S/GRANTLINE & SW BYRON RD		A	M02S04E13
	OAT FOR/FOD / 22006-0	15 ACRES	2000 (DICAMBA), 4780 (PHORATE), 7860 (MCPA, DIMETHYLAMINE), 9801 (2,4-D AMINE), 16011 (PARAQUAT)	
	SOIL FUM/PREPLT / 40008-0	15 ACRES	9801 (2,4-D AMINE), 16011 (PARAQUAT)	
Conditions:	P - General, Q - Dicamba & Phenoxy Herbicide CV			

4-1	MAP 4 FIELD 1 NW CORNER LAMMERS & SCHULTE		A	M02S04E25
	OAT FOR/FOD / 22006-0	8 ACRES	2000 (DICAMBA), 4780 (PHORATE), 7860 (MCPA, DIMETHYLAMINE), 9801 (2,4-D AMINE), 16011 (PARAQUAT)	
	SOIL FUM/PREPLT / 40008-0	8 ACRES	9801 (2,4-D AMINE), 16011 (PARAQUAT)	
Conditions:	P - General, Q - Dicamba & Phenoxy Herbicide CV			

4-2	MAP 4 FIELD 2 NW CORNER LAMMERS & SCHULTE		A	M02S04E25
	OAT FOR/FOD / 22006-0	32 ACRES	2000 (DICAMBA), 4780 (PHORATE), 7860 (MCPA, DIMETHYLAMINE), 9801 (2,4-D AMINE), 16011 (PARAQUAT)	
	SOIL FUM/PREPLT / 40008-0	32 ACRES	9801 (2,4-D AMINE), 16011 (PARAQUAT)	
Conditions:				

ALL	SE HANSEN & I-205		A	M02S04E23
	UNCUL NON-AG / 67000-0	2 ACRES	9801 (2,4-D AMINE), 16011 (PARAQUAT)	
Conditions:	P - General, Q - Dicamba & Phenoxy Herbicide CV			

5-1	MAP 5 FIELD 1 SE CORNER GRANT LINE & HANSEN		A	M02S04E14
	WHEAT FOR/FOD / 22007-0	31 ACRES	2000 (DICAMBA), 4780 (PHORATE), 7860 (MCPA, DIMETHYLAMINE), 9801 (2,4-D AMINE), 16011 (PARAQUAT)	
Conditions:	P - General, Q - Dicamba & Phenoxy Herbicide CV			

OPERATION-WIDE CONDITIONS

A **Permit Cond.Table of Contents**

A - PERMIT CONDITIONS - TABLE OF CONTENTS

WORKERS SAFETY SERIES ATTACHED

[ ] A-1 through A-11 General Information

PERMIT CONDITONS ATTACHED
[ ] O- Aluminum Phosphide in Rodent Burrows
[X] P - General
[X] Q - Dicamba & Phenoxy Herbicides - Central Valley/Hazardous Area
[ ] R - Dicamba & Phenoxys - Special Hazardous Area
[ ] S - Metam Sodium, Metam Potassium, Dazomet

Crop Change

APPLICATION - RESTRICTED MATERIALS PERMIT - SUPPLEMENT

GOUVAIA, MARK

PERMIT NO. 3902168

PAGE NO. _____

LOCATION	SEC	TWN	RNG	MAP ID	COMMODITY	ACRES/ UNITS	PESTICIDES	PESTS	F*	M**	RATE	DILUTION/ VOLUME	APPL	DATE/ TIMING
7. NW/corner Lemmon + Schultz				4-2	SUDAN GRASS	32	3830 Methyl							
8.							7860 MCPA							
9.							9801 2,4-D							
10.							16011 Paraquat							
11.														
12.														
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29.														
30.														
31.														

*Formulation: L--Liquid B--Bait D--Dust F--Fumigant G--Granules WP--Wettable Powder O--Other

**Method: A--Air F--Fumigation Gr--Ground O--Other

APPLICANT SIGNATURE Mark Gouvaia DATE 7-20-12

ISSUED BY Jim Dawson DATE 7/20/12

DISTRIBUTION: WHITE & YELLOW - COUNTY AGRICULTURAL COMMISSIONER; PINK & GOLD - PERMITTEE

OSP 08 109802

STATE OF CALIFORNIA
DEPARTMENT OF PESTICIDE REGULATION
PR-ENF-125A (REV. 10/07) Page 1 of 1

[ ] T - Aldicarb (Temik)
[ ] U - Endosulfan (Thiodan)
[ ] V - Rice Pesticides Program
    [ ] - Attachments 1-5 Thiobencarb (Forms A,B)
[ ] W - Methyl Bromide / Sulfuryl Fluoride
    [ ] - Soil within greenhouses
    [ ] - Commodity
    [ ] - Soil injection
    [ ] - Tarped potting soil
    [ ] - Single tree site
[ ] X - Furadan chemigation of grapes
[ ] Y - 1, 3 - Dichloropropene
[ ] Z - Other

GROUNDWATER PROTECTION PERMIT CONDITIONS

These conditions apply to pesticides labeled for agricultural, outdoor industrial, or outdoor institutional use that contain chemicals listed in 3CCR section 6800(a): ATRAZINE, SIMAZINE, BROMACIL, DIURON (except products with less than 7% diuron applied to foliage), PROMETON, BENTAZON, AND NORFLURAZON. Ground Water Protection Areas (GWPA), for San Joaquin County, are designated in the Department of Pesticide Regulation document EH03-05. A list of GWPAs may be obtained from the Commissioner's Office or DPR's website (www.cdpr.ca.gov/docs/gwp).

"Engineered rights of way" are defined as areas within a ground water protection area (GWPA) that are constructed in a way that results in increased runoff and collection of storm water, such as railroad ballasts and berms, public roadsides, and highway median strips or similar areas, but not canal or ditch banks or utility lines.

SPECIFIC GROUNDWATER PROTECTION PERMIT CONDITIONS ATTACHED

GWP-C & D Unlined canal and ditch banks
[ ] 1 - Percolation rate is less than or equal to 0.2 inches per hour
[ ] 2 - Applied six months prior to water run
[ ] 3 - All applications are prohibited below high water line

GWP-ROW Engineered rights-of-way within San Joaquin County GWPAs
[ ] 1A - Soil disturbance within 7 days
[ ] 1B - Incorporation
[ ] 1C - Applied between April 1 and July 31
[ ] 2 - Runoff passes through adjacent fully vegetated noncrop area
[ ] 3 - Compliance with NPDES permit

GWP-R Runoff GWPAs within San Joaquin County
[ ] 1 - Soil disturbance
[ ] 2 - Incorporated
[ ] 3 - Band treatment
[ ] 4 - Applied between April 1 and July 31
[ ] 5 - Runoff water held onsite
[ ] 6 - Runoff water stored offsite
[ ] 7 - Runoff to adjacent fallow field

GWP-L Leaching GWPAs within San Joaquin County
[ ] 1 - No irrigation
[ ] 2 - Bed or berm application
[ ] 3 - Managed irrigation

GWP-Director Director Approved Alternative Management Practices or Interim Use
[ ] 1 - Director approved alternative
[ ] 2 - Director approved interim use

Revised 11/11

P **General**

CONDITION - P - General

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a. Spray - 12 m.p.h.
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2. No pesticide application shall be made or continued when there is the likelihood of contaminating any persons, non-target crops, animals or other public or private property.

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4. Apply pesticides covered by SLN(s) and Section 18(s) in conformance with the SLN(s) and Section 18(s).

5. A flagger is required at the application site for all AIR applications of Zinc Phosphide bait.

Revised 10/90

Q **Dicamba & Phenoxy Herbicide CV**

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Revised 10/90

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Revised 10/90

San Joaquin County
Agricultural Commissioner's Office

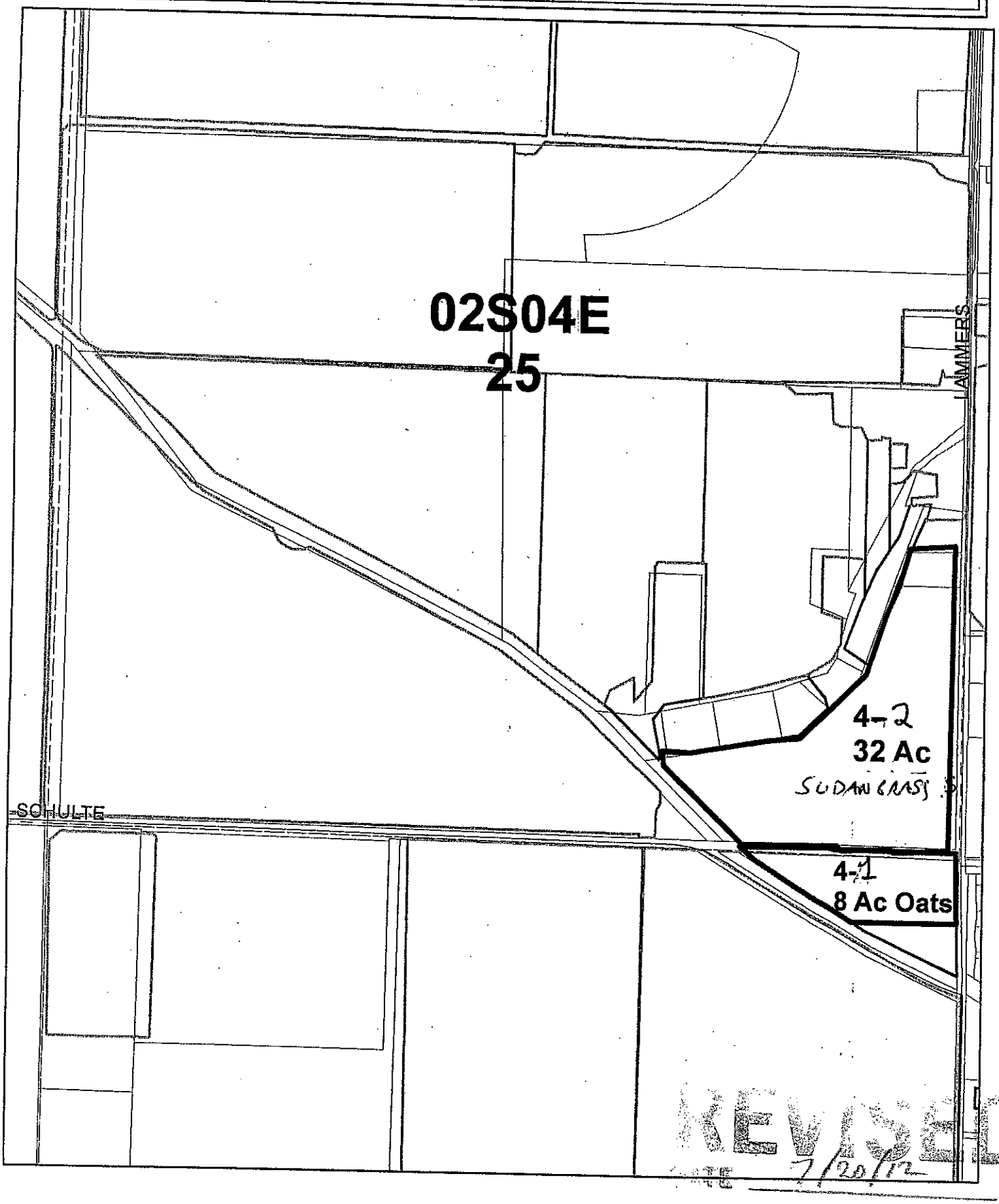
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District A
Permittee

Gouvaia, Mark

Map #
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San Joquin County
Agricultural Commissioner's Office

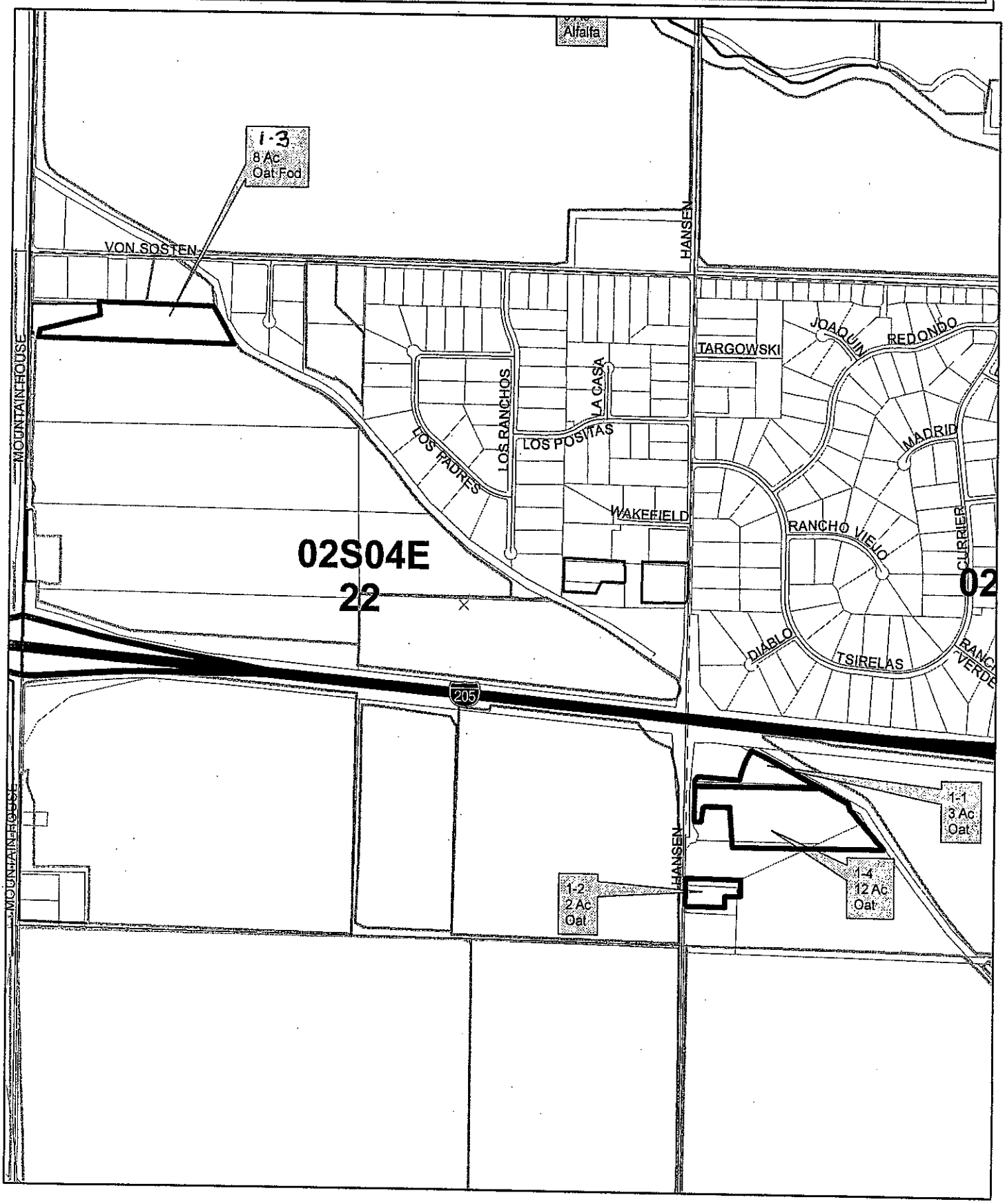
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District A
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San Joaquin County
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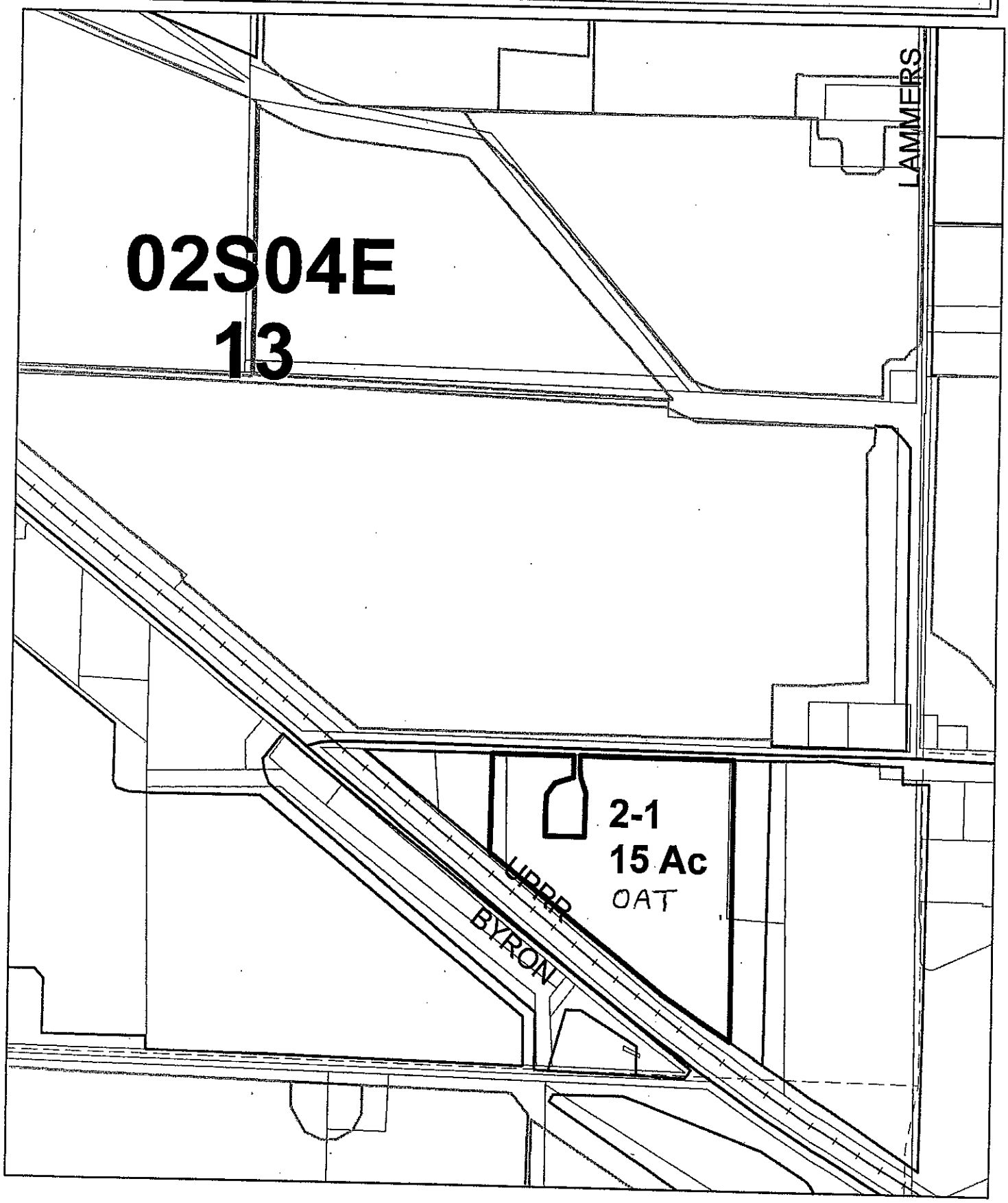
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District A
Permittee

Gouvaia, Mark

Map # 2

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San Joaquin County
Agricultural Commissioner's Office

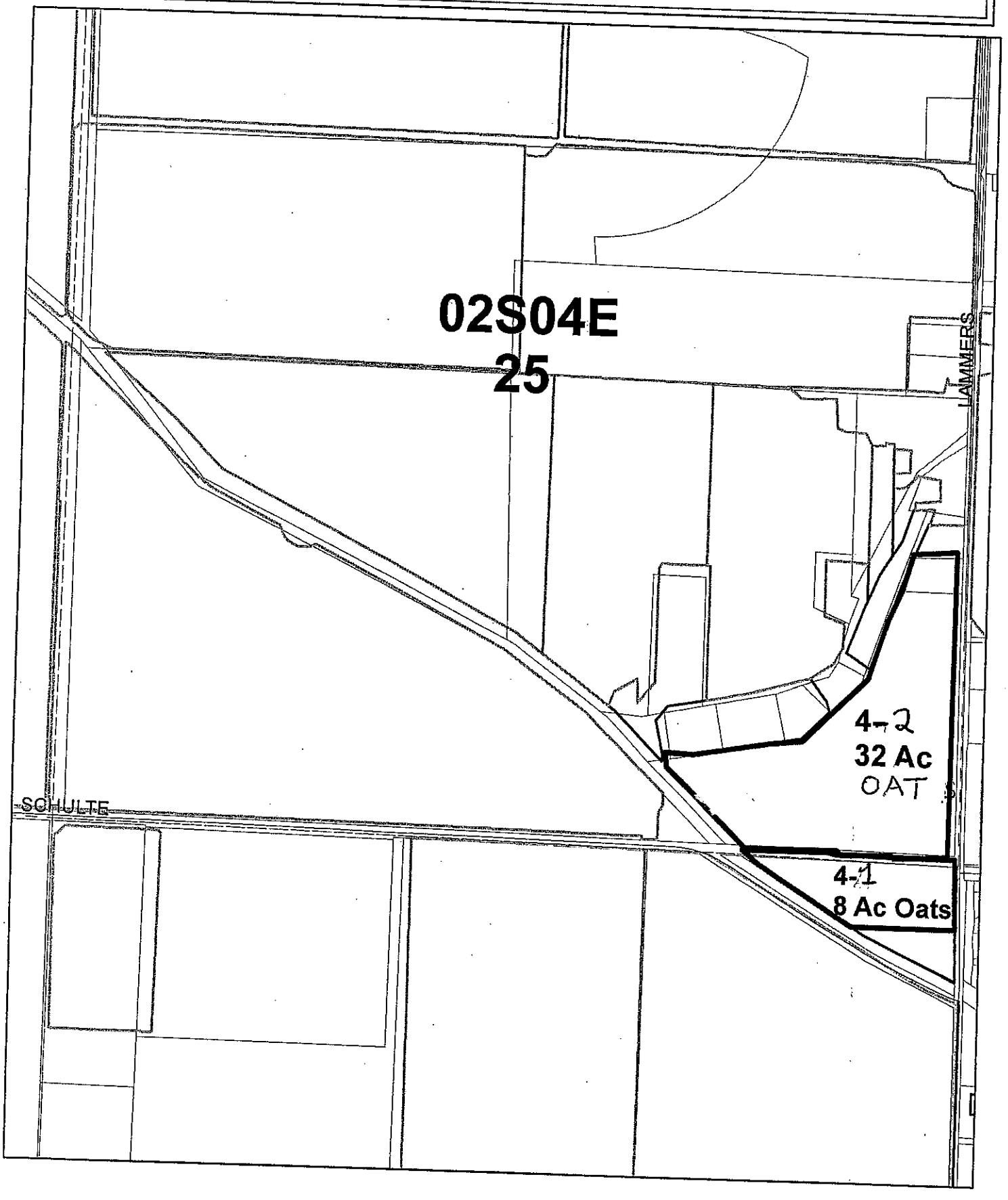
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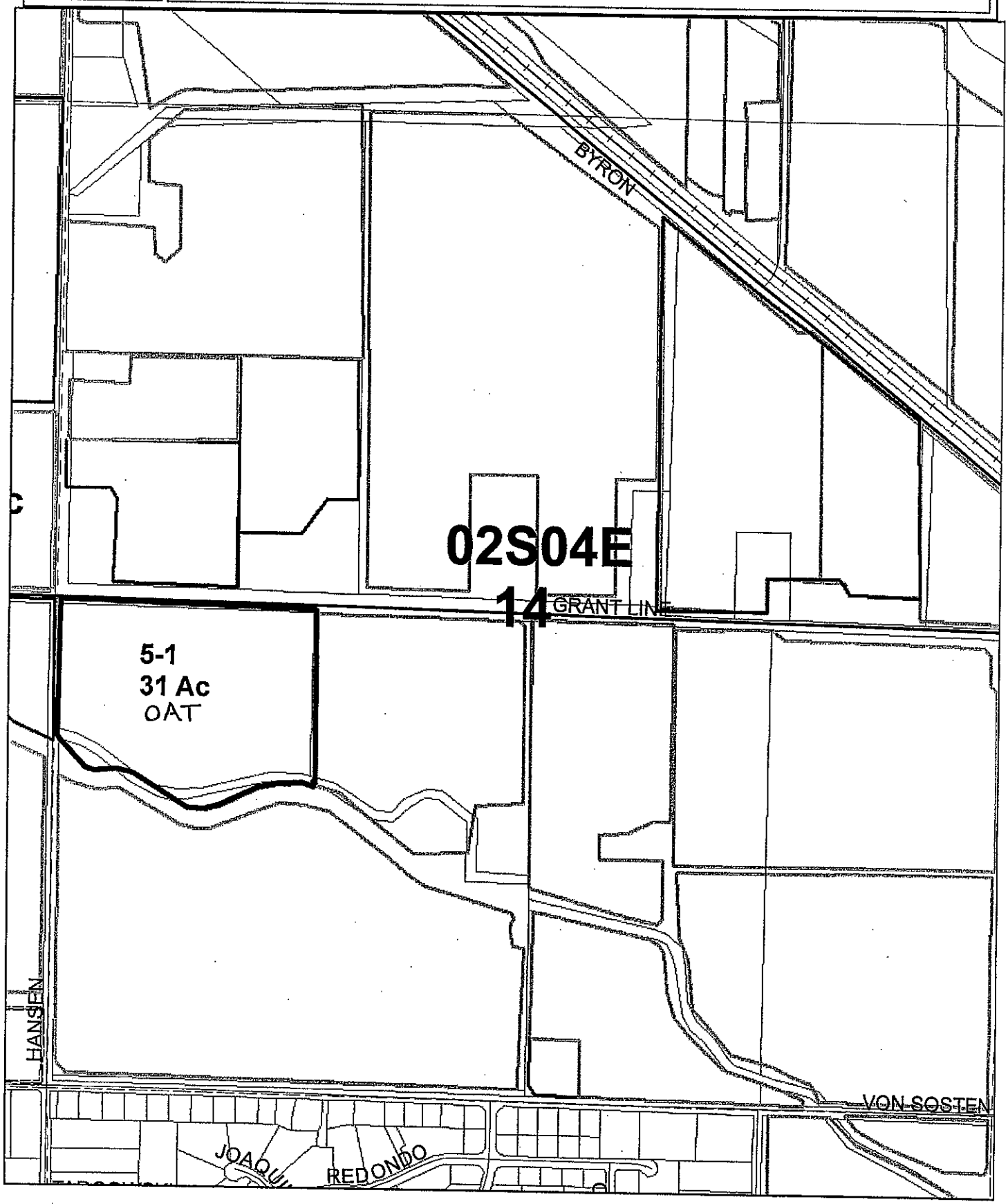
San Joaquin County
Agricultural Commissioner's Office

3900237

District A
Permittee

Gouvaia, Mark

Map #
5



SAN JOAQUIN COUNTY
2101 E EARHART, SUITE 100
STOCKTON, CA 95206-
Web:www.co.san-joaquin.ca.us/agcomm

Office: (209)953-6000 Fax: (209)953-6022 Recorder (NOI's): (209)953-6000

2011

RESTRICTED MATERIALS PERMIT

GOUVAIA MARK
24380 HANSEN RD
TRACY CA 95377

MARK GOUVAIA
24380 HANSEN RD
TRACY CA 95377

Permit Number: 39-11-3902168
County District #: A
Expiration Date: December 31, 2011
Effective Date: ~~January 1, 1990~~ 1-1-11
Home Phone:
Shop Phone:
Mobile Phone:
Fax:

Permittee Type: Private Applicator
Permit Type: Seasonal
Possession: Possession & Use

NOI Method of Submission:
Phone: X Fax: X Box:
In Person: X Web: X
NOI required 24 hours prior to application.

Conditions: A,P,Q

See end of permit for code descriptions.

I understand that this permit does not relieve me from liability for any damages to any persons or property caused by the use of these pesticides. I waive any claims of liability for damages against the County Department of Agriculture based on the issuance of this permit. I further understand that this permit may be revoked when pesticides are used in conflict with the manufacturer's labeling or in violation of applicable laws, regulations and specific conditions of this permit. I authorize inspection at all reasonable times and whenever an emergency exists by the Department of Pesticide Regulation or the County Department of Agriculture of all areas treated or to be treated, storage facilities for pesticides or emptied containers and equipment used or to be used in the treatment.
I have considered alternatives and mitigation measures pursuant to Title 3, California Code of Regulations, section 6426. Taking into account economic, environmental, social, and technological factors, I have adopted those that are feasible and would substantially lessen any significant adverse impact on the environment.
[Form PR-ENF-125 (Rev. 11/05) Pesticide Enforcement Branch]

Permit Applicant: Mark Gouvaia (Please Print) Signed: Mark Gouvaia

Title: Owner (Please Print) Issue Date: 12-1-10

Issuing Officer: Tom Dawson Issue Date: 12-1-10

Employees do not handle pesticides.

Contact Name	License#	Exp. Date	Phone Number	Contact Type
GOUVAIA, MARK A	3900337-00000	12/31/2012	/	Private Applicator Certificate
GOUVAIA, MARK	3902168			Grower-Permittee

PERMIT PESTICIDES

Number	Pesticide	Pests	Forms	Methods	Applicators
1060	CARBOFURAN	APHIDS	All Reg.	Air Ground	PG
2000	DICAMBA	BROADLEAF WEEDS	All Reg.	Air Ground	PG
2300	DISULFOTON	APHIDS	All Reg.	Air Ground	PG
3140	AZINPHOS-METHYL	INSECTS	All Reg.	Air Ground	PG
3830	METHOMYL	INSECTS	All Reg.	Air Ground	PG
3940	METHYL PARATHION	INSECTS	All Reg.	Air Ground	PG
4780	PHORATE	APHIDS	All Reg.	Air Ground	PG
5540	STRYCHNINE	RODENTS	All Reg.	Ground	PG
7860	MCPA, DIMETHYLAMINE	BROADLEAF WEEDS	All Reg.	Air Ground	PG
8041	2,4-DB	WEEDS	All Reg.	Air Ground	PG
9801	2,4-D AMINE	BROADLEAF WEEDS	All Reg.	Air Ground	PG
16011	PARAQUAT	WEEDS	All Reg.	Air Ground	PG

PERMIT COMMODITIES

Crop / Site	Location/Site Narrative/Site Conditions	District	Section / Quantity	Town / Units	Range	Meridian
ALFALFA (23001-0)						
4-2	SW Corner Lammers + Schuttle MAP 4 FIELD 2	A	25 32.00	02S A	04E	M
	Site Conditions: P Q 1060 (CARBOFURAN), 3140 (AZINPHOS-METHYL), 3830 (METHOMYL), 3940 (METHYL PARATHION), 5540 (STRYCHNINE), 8041 (2,4-DB), 16011 (PARAQUAT),					
OAT FOR/FOD (22006-0)						
1-1	S/I-205 & E/HANSEN	A	22 3.00	02S A	04E	M
	Site Conditions: P Q 2000 (DICAMBA), 2300 (DISULFOTON), 4780 (PHORATE), 7860 (MCPA, DIMETHYLAMINE), 9801 (2,4-D AMINE), 16011 (PARAQUAT),					
1-2	E/HANSEN,S/I-205	A	23 2.00	02S A	04E	M
	Site Conditions: P Q 2000 (DICAMBA), 2300 (DISULFOTON), 4780 (PHORATE), 7860 (MCPA, DIMETHYLAMINE), 9801 (2,4-D AMINE), 16011 (PARAQUAT),					
1-3	~~E/HANSEN~~ N/I-205 E/MOUNTAIN HOUSE	A	23 8.00	02S A	04E	M
	Site Conditions: P Q 2000 (DICAMBA), 2300 (DISULFOTON), 4780 (PHORATE), 7860 (MCPA, DIMETHYLAMINE), 9801 (2,4-D AMINE), 16011 (PARAQUAT),					
1-4	S/I-205 & E/HANSEN	A	22 12.00	02S A	04E	M
	Site Conditions: P Q 2000 (DICAMBA), 2300 (DISULFOTON), 4780 (PHORATE), 7860 (MCPA, DIMETHYLAMINE), 9801 (2,4-D AMINE), 16011 (PARAQUAT),					
3-1	S/CA AQUEDUCT & N/UPRR	A	2 60.00	03S A	04E	M
	Site Conditions: P Q 2000 (DICAMBA), 2300 (DISULFOTON), 4780 (PHORATE), 7860 (MCPA, DIMETHYLAMINE), 9801 (2,4-D AMINE), 16011 (PARAQUAT),					

OAT FOR/FOD (22006-0)

4-1	MAP 4 FIELD 1	A	25 8.00	02S A	04E	M

Site Conditions: P Q
2000 (DICAMBA), 2300 (DISULFOTON), 4780 (PHORATE), 7860 (MCPA, DIMETHYLAMINE), 9801 (2,4-D AMINE), 16011 (PARAQUAT),

SOIL FUM/PREPLT (40008-0)

1-1	S/I-205 & E/HANSEN	A	22 3.00	02S A	04E	M

Site Conditions: P Q
9801 (2,4-D AMINE), 16011 (PARAQUAT),

1-2	E/HANSEN,S/I-205	A	23 2.00	02S A	04E	M

Site Conditions: P Q
9801 (2,4-D AMINE), 16011 (PARAQUAT),

1-3	E/HANSEN,S/I-205	A	23 8.00	02S A	04E	M

Site Conditions: P Q
9801 (2,4-D AMINE), 16011 (PARAQUAT),

1-4	S/I-205 & E/HANSEN	A	22 12.00	02S A	04E	M

Site Conditions: P Q
9801 (2,4-D AMINE), 16011 (PARAQUAT),

2-1	S/GRANTLINE & SW BYRON RD	A	13 15.00	02S A	04E	M

Site Conditions: P Q
9801 (2,4-D AMINE), 16011 (PARAQUAT),

4-1	MAP 4 FIELD 1	A	25 8.00	02S A	04E	M

Site Conditions: P Q
9801 (2,4-D AMINE), 16011 (PARAQUAT),

4-2	MAP 4 FIELD 2	A	25 32.00	02S A	04E	M

Site Conditions: P Q
9801 (2,4-D AMINE), 16011 (PARAQUAT),

UNCUL NON-AG (67000-0)

UNCUL NON-AG (67000-0)

ALL	SE HANSEN & I-205	A	23	02S	04E	M
			2.00	A		

Site Conditions: P Q
9801 (2,4-D AMINE), 16011 (PARAQUAT),

WHEAT FOR/FOD (22007-0)

2-1	S/GRANTLINE & SW BYRON RD	A	13	02S	04E	M
			15.00	A		

Site Conditions: P Q
2000 (DICAMBA), 2300 (DISULFOTON), 4780 (PHORATE), 7860 (MCPA, DIMETHYLAMINE), 9801 (2,4-D AMINE), 16011 (PARAQUAT),

5-1	SE Corner Shed Land + Hansen MAP 5 FIELD 1	A	14	02S	04E	M
			31.00	A		

Site Conditions: A P Q
2000 (DICAMBA), 2300 (DISULFOTON), 4780 (PHORATE), 7860 (MCPA, DIMETHYLAMINE), 9801 (2,4-D AMINE), 16011 (PARAQUAT),

Crop Change

APPLICATION - RESTRICTED MATERIALS PERMIT - SUPPLEMENT

PERMIT NO. 390216F

PAGE NO. _____

LOCATION	SEC	TWN	RNG	MAP ID	COMMODITY	ACRES/ UNITS	PESTICIDES	PESTS	F*	M**	RATE	DILUTION/ VOLUME	APPL	DATE/ TIMING
7.				4-2	SUDANGRASS	32	Dicamba							
8.							MCPA							
9.							2,4-D							
10.							Paraquat							
11.														
12.														
13.														
14.														
15.														
16.														
17.														
18.														
19.														
20.														
21.														
22.														
23.														
24.														
25.														
26.														
27.														
28.														
29.														
30.														
31.														

*Formulation: L--Liquid B--Bait D--Dust F--Fumigant G--Granules WP--Wettable Powder O--Other

**Method: A--Air F--Fumigation Gr--Ground O--Other

APPLICANT SIGNATURE Mark Souza DATE _____

ISSUED BY Tom Souza DATE 6/1/11

DISTRIBUTION: WHITE & YELLOW - COUNTY AGRICULTURAL COMMISSIONER; PINK & GOLD - PERMITTEE

OSP 08 109802

STATE OF CALIFORNIA
DEPARTMENT OF PESTICIDE REGULATION
PR-ENF-125A (REV. 10/07) Page 1 of 1

San Joaquin County
Agricultural Commissioner's Office

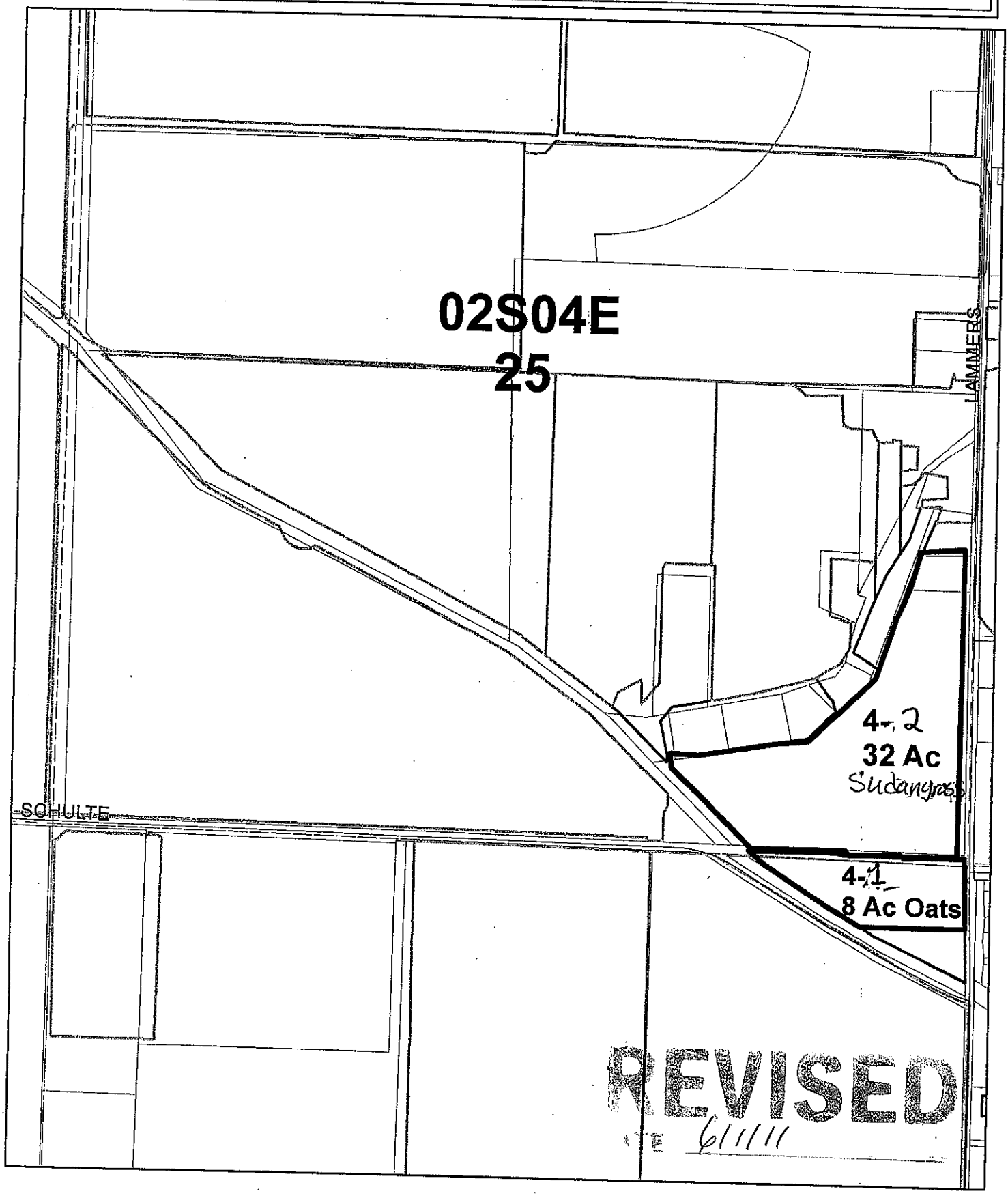
3902168

District A
Permittee

Gouvaia, Mark

Map #
4

N



[ ] 1B - Incorporation
[ ] 1C - Applied between April 1 and July 31
[ ] 2 - Runoff passes through adjacent fully vegetated noncrop area
[ ] 3 - Compliance with NPDES permit

GWP-R Runoff GWPAs within San Joaquin County
[ ] 1 - Soil disturbance
[ ] 2 - Incorporated
[ ] 3 - Band treatment
[ ] 4 - Applied between April 1 and July 31
[ ] 5 - Runoff water held onsite
[ ] 6 - Runoff water stored offsite
[ ] 7 - Runoff to adjacent fallow field

GWP-L Leaching GWPAs within San Joaquin County
[ ] 1 - No irrigation
[ ] 2 - Bed or berm application
[ ] 3 - Managed irrigation

GWP-Director Director Approved Alternative Management Practices or Interim Use
[ ] 1 - Director approved alternative
[ ] 2 - Director approved interim use

Revised 10/04

P General

CONDITION - P - General

In addition to all applicable laws, regulations, label restrictions and other more restrictive conditions of this permit, THE FOLLOWING CONDITIONS APPLY TO APPLICATIONS COVERED BY THIS PERMIT.

1. Maximum wind velocities for applications of Restricted Materials unless otherwise covered by the label, law, regulation, other permit conditions or environmental conditions at the application site are:

   a. Spray - 12 m.p.h.
   b. Dust - 8 m.p.h.
   c. Pellets, granular or baits - 16 m.p.h.

2. No pesticide application shall be made or continued when there is the likelihood of contaminating any persons, non-target crops, animals or other public or private property.

3. Unless specifically named as a dust on this permit, NO DUST FORMULATIONS are allowed.

4. Apply pesticides covered by SLN(s) and Section 18(s) in conformance with the SLN(s) and Section 18(s).

5. A flagger is required at the application site for all AIR applications of Zinc Phosphide bait.

Revised 10/90

Q Dicamba & Phenoxy Herbicide CV

CONDITION - Q - DICAMBA AND PHENOXY HERBICIDES - CENTRAL VALLEY/HAZARDOUS AREA

In addition to all applicable laws, regulations and label restrictions, the CONDITIONS CHECKED BELOW APPLY to applications covered by this permit.

[X] 1. No ester formulation applications allowed.

[ ] 2. A smoke column is required at the application site for all Phenoxy and Dicamba applications by aircraft beginning March 16 and continuing through October 15.

[X] 3. Do not discharge material more than 10 feet above the crop or target.

[ ] 4. A drift reducing agent shall be added to the spray mixture at label rates.

[X] 5. Maximum wind velocity for Phenoxy herbicides - 10 m.p.h.

[X] 6. Maximum wind velocity for Dicamba - 10 m.p.h. EXCEPT when wind is moving in direction of sensitive crops, the maximum wind velocity - 5 m.p.h.

[ ] 7. No Dicamba application allowed in the vicinity of sensitive crops when the maximum temperature on the day of application is predicted to exceed 85 degrees fahrenheit. Predicted temperature for the following day will be determined by the 3:30 p.m. prediction by the National Weather Station - Stockton Airport.

[ ] 8. Dicamba applications by aircraft are restricted to a minimum distance of two (2) miles from the following susceptible crops: beans, grapes, sunflower, tomato, safflower, curcurbits, potatoes.

[ ] 9. Dicamba applications by ground are restricted to a minimm distance of 20 feet from the following susceptible crops: beans, safflower, tomato, curcurbits, potatoes and 1/4 mile from grapes and sunflowers.

[ ] 10. No Dicamba or Phenoxy herbicide applications allowed beginning March 16 and continuing through October 15, and until grape leaves in the vicinity of the treated area are "browned off".

Revised 10/90

San Joquin County
Agricultural Commissioner's Office

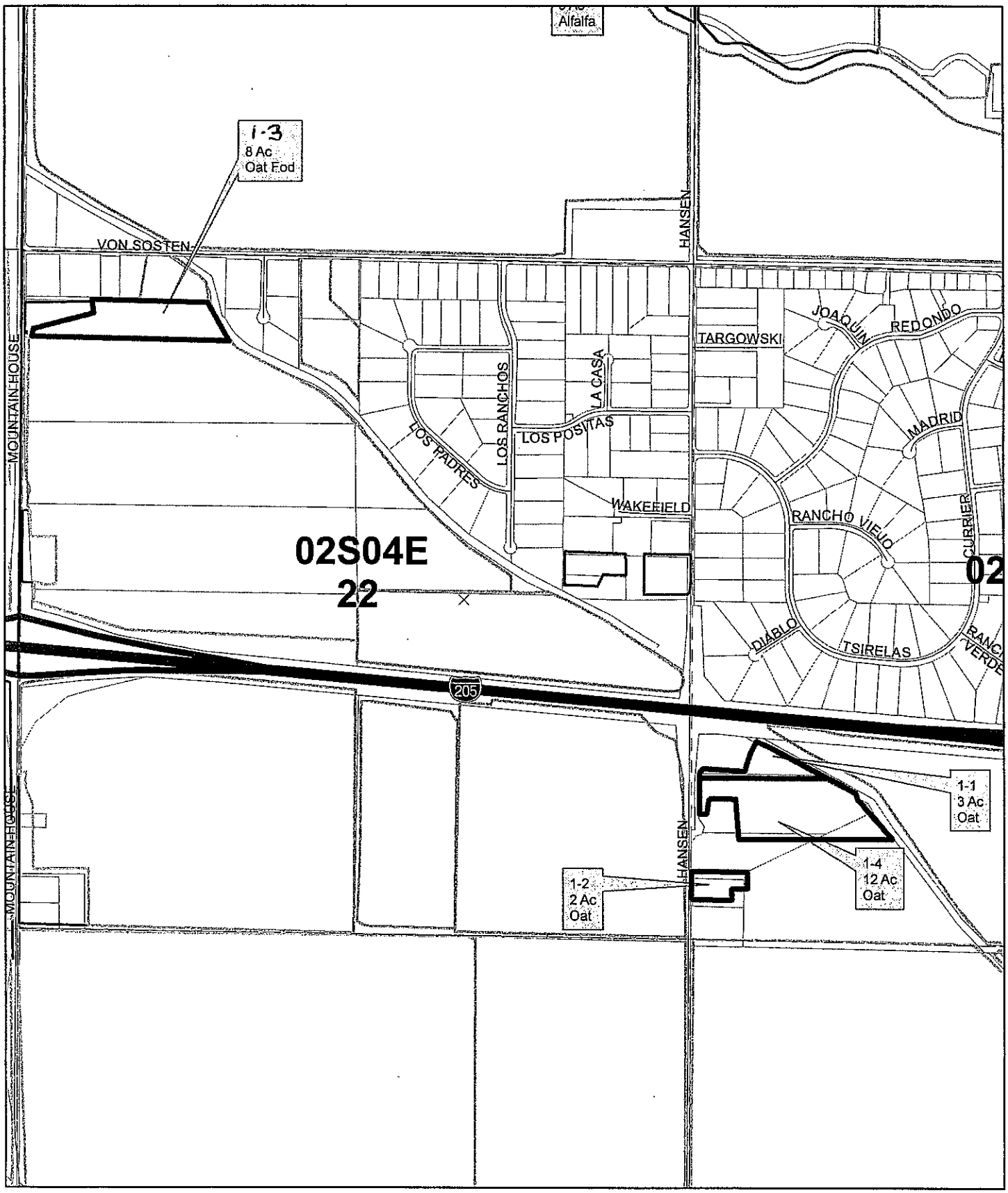
3902168

District A
Permittee

Gouvaia, Mark

Map # 1

N



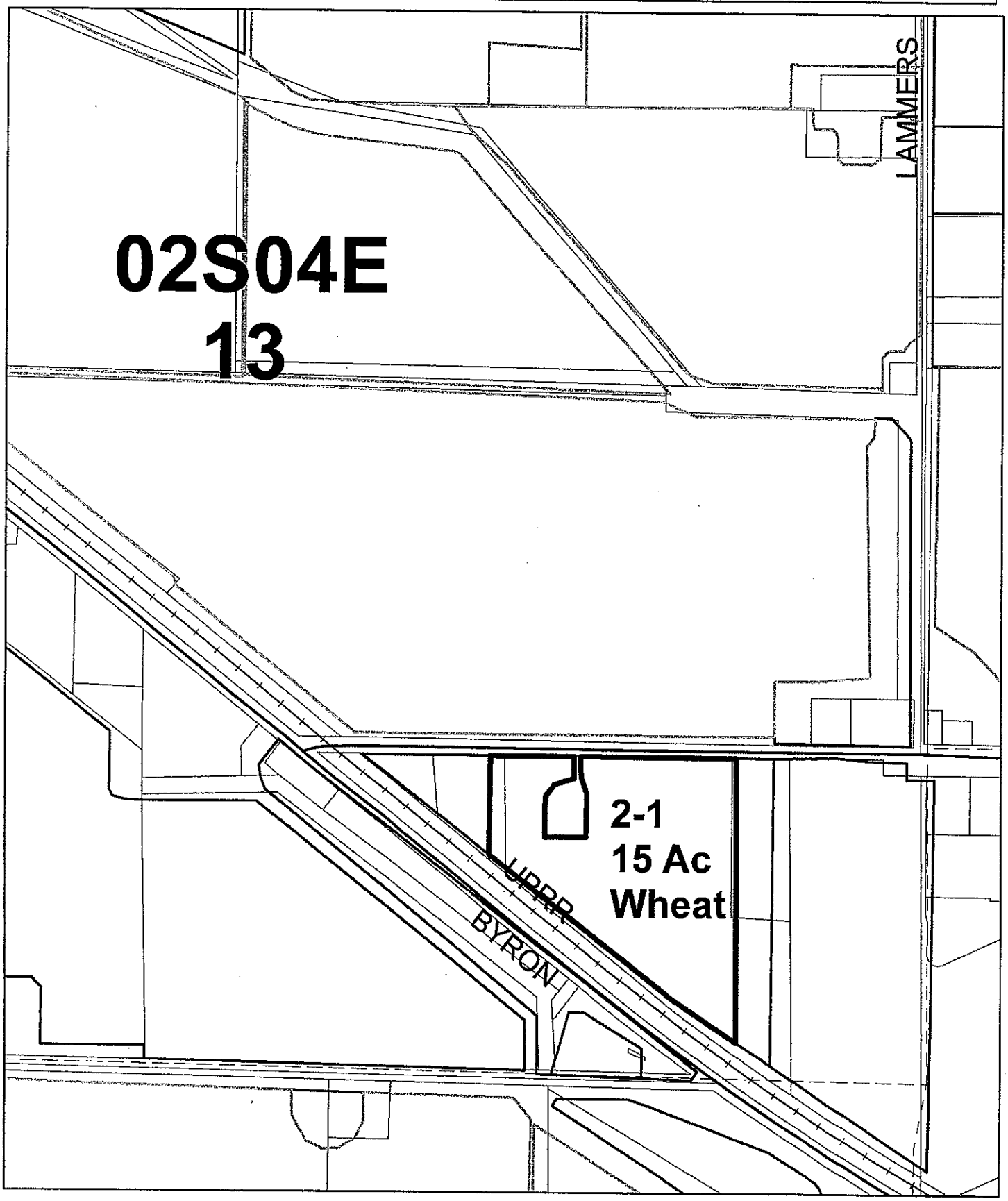
San Joaquin County
Agricultural Commissioner's Office

3902168

District A
Permittee
Gouvaia, Mark

Map #
2

N



San Joquin County
Agricultural Commissioner's Office

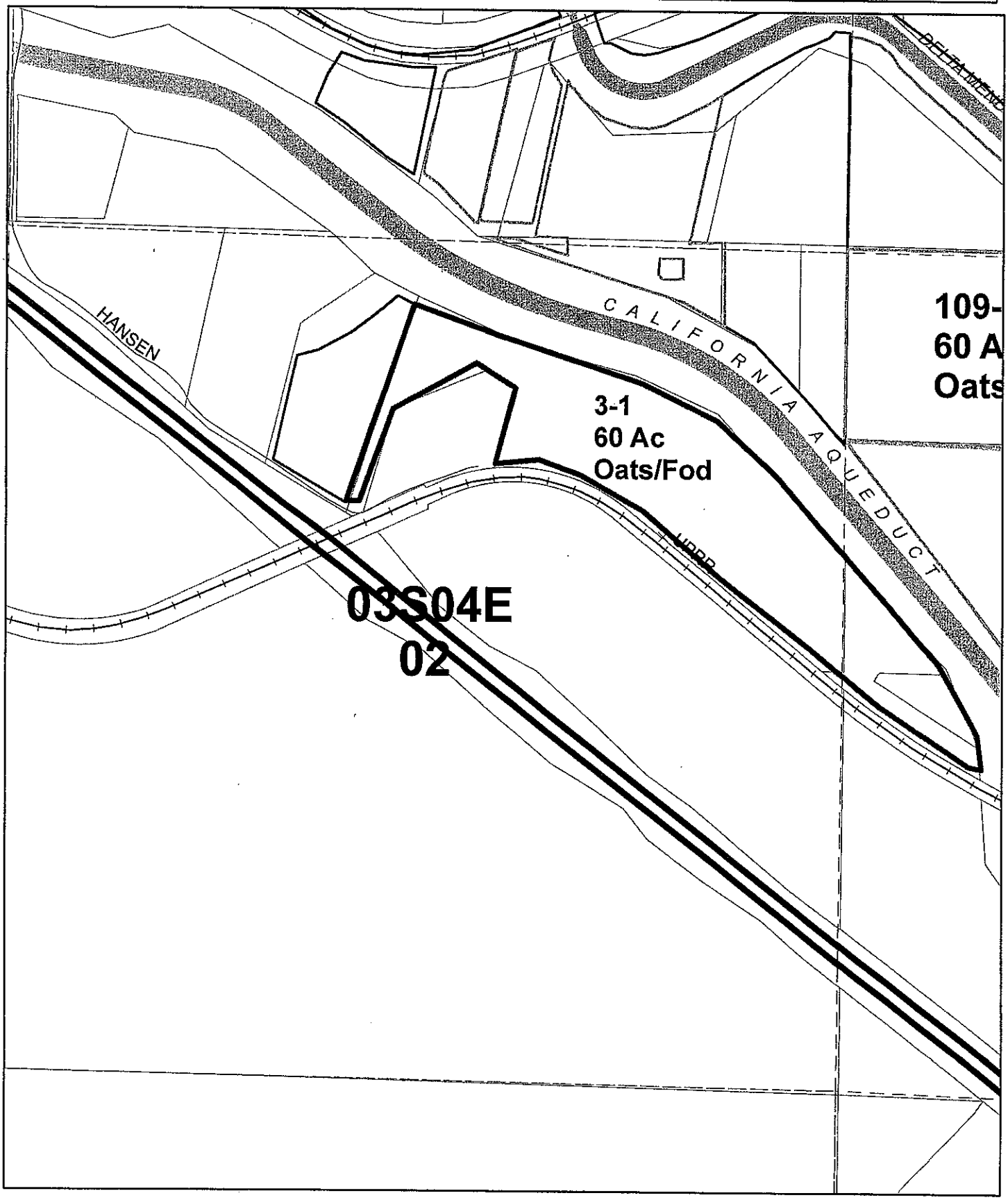
3902168

District A
Permittee

Gouvaia, Mark

Map #
3

N



San Joaquin County
Agricultural Commissioner's Office

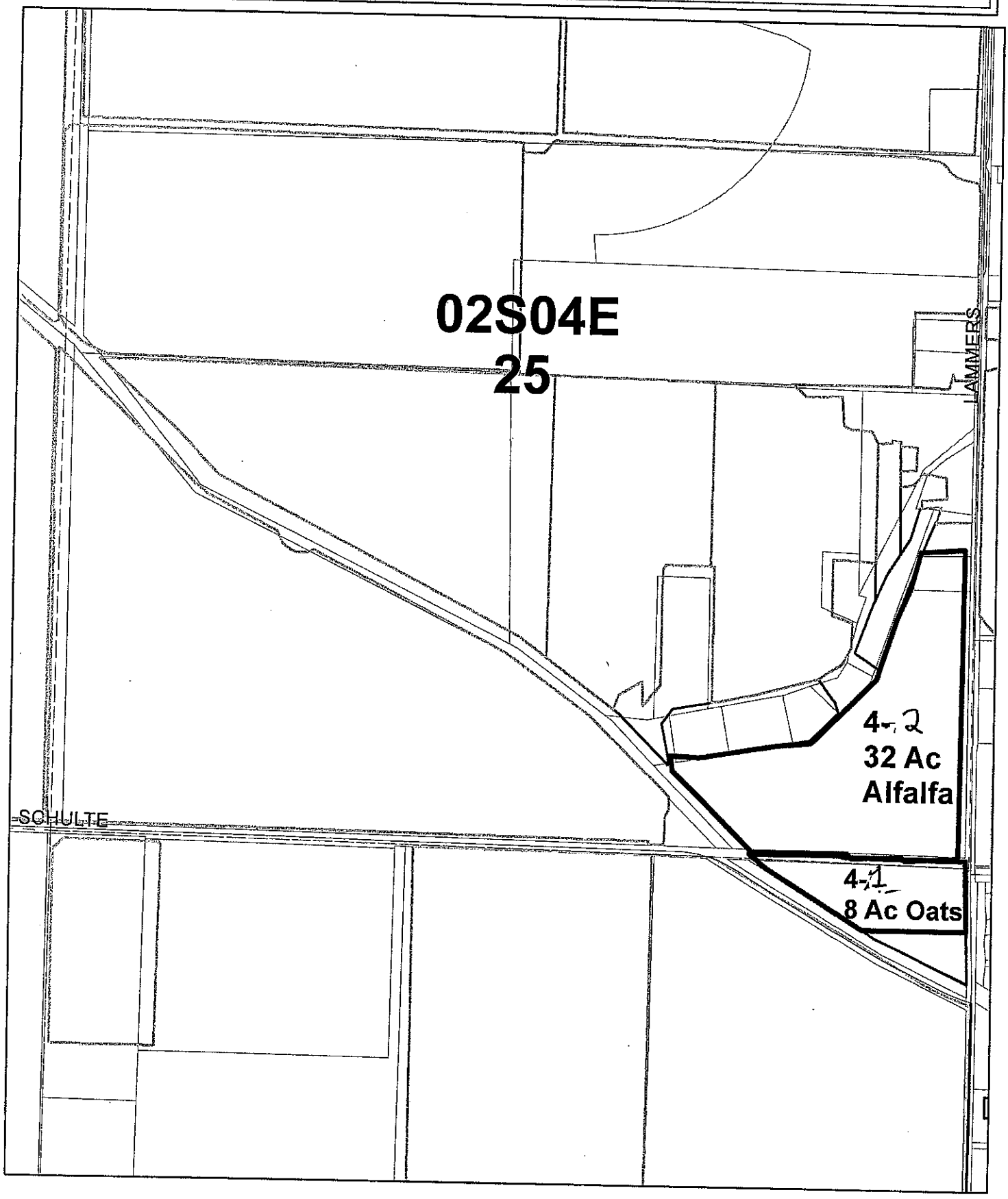
3902168

District A
Permittee

Gouvaia, Mark

Map #
4

N



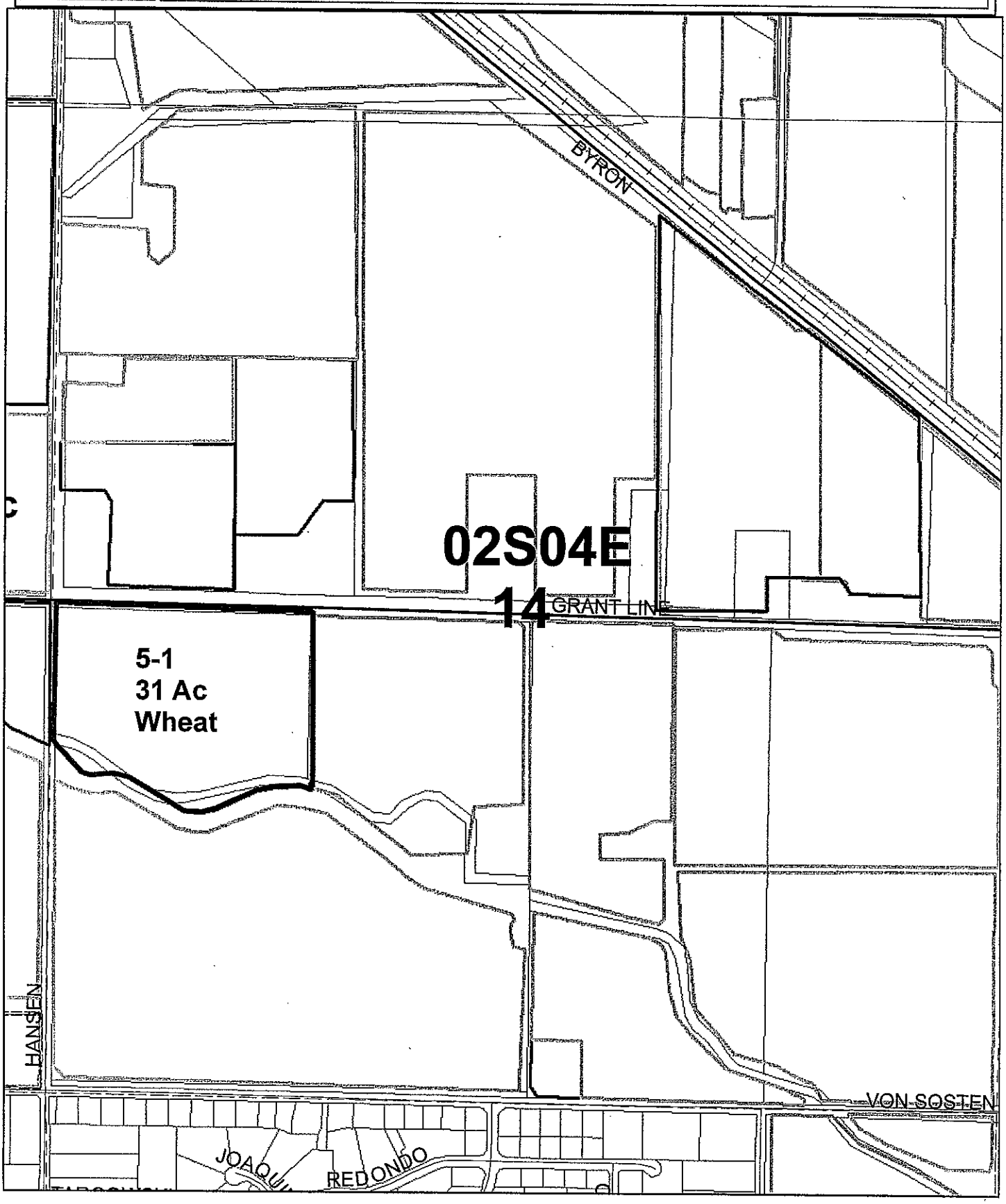
San Joaquin County
Agricultural Commissioner's Office

3900237

District A
Permittee

Gouvaia, Mark

Map #
5



2010

SAN JOAQUIN COUNTY
2101 E EARHART. SUITE 100
STOCKTON, CA 95206-
Web:www.co.san-joaquin.ca.us/agcomm

Office: (209)953-6000 Fax: (209)953-6022 Recorder (NOI's): (209)953-6000

RESTRICTED MATERIALS PERMIT

GOUVAIA MARK
24380 HANSEN RD
TRACY CA 95377

MARK GOUVAIA
24380 HANSEN RD
TRACY CA 95377

Permit Number: 39-10-3902168
County District #: 1
Expiration Date: December 31, 2010
Effective Date: ~~January 1, 1990~~ Feb 24, 2010 RM
Home Phone: (...
Shop Phone:
Mobile Phone: (...
Fax:

Permittee Type: Private Applicator
Permit Type: Seasonal
Possession: Possession & Use

NOI Method of Submission:
Phone: X Fax: X Box:
In Person: X Web: X
NOI required 24 hours prior to application.

Conditions: A,P,Q

See end of permit for code descriptions.

I understand that this permit does not relieve me from liability for any damages to any persons or property caused by the use of these pesticides. I waive any claims of liability for damages against the County Department of Agriculture based on the issuance of this permit. I further understand that this permit may be revoked when pesticides are used in conflict with the manufacturer's labeling or in violation of applicable laws, regulations and specific conditions of this permit. I authorize inspection at all reasonable times and whenever an emergency exists by the Department of Pesticide Regulation or the County Department of Agriculture of all areas treated or to be treated, storage facilities for pesticides or emptied containers and equipment used or to be used in the treatment.
I have considered alternatives and mitigation measures pursuant to Title 3, California Code of Regulations, section 6426. Taking into account economic, environmental, social, and technological factors, I have adopted those that are feasible and would substantially lessen any significant adverse impact on the environment.
[Form PR-ENF-125 (Rev. 11/06) Pesticide Enforcement Branch]

Permit Applicant: Mark Gouvaia (Please Print) Signed: Mark Gouvaia

Title: Owner (Please Print) Issue Date: 2-24-2010

Issuing Officer: [signature] Issue Date: 2/24/2010

Permitee: GOUVAIA, MARK

Permit Number: 39-10-3902168

Employees do not handle pesticides.

Contact Name	License#	Exp. Date	Phone Number	Contact Type
GOUVAIA, MARK A	3900237-00000	12/31/2012		Private Applicator Certificate
GOUVAIA, MARK	3902168			Grower-Permittee

PERMIT PESTICIDES

Number	Pesticide	Pests	Forms	Methods	Applicators
1060	CARBOFURAN	APHIDS	All Reg.	Air Ground	PG
2000	DICAMBA	BROADLEAF WEEDS	All Reg.	Air Ground	PG
2300	DISULFOTON	APHIDS	All Reg.	Air Ground	PG
3140	AZINPHOS-METHYL	INSECTS	All Reg.	Air Ground	PG
3830	METHOMYL	INSECTS	All Reg.	Air Ground	PG
3940	METHYL PARATHION	INSECTS	All Reg.	Air Ground	PG
4780	PHORATE	APHIDS	All Reg.	Air Ground	PG
5540	STRYCHNINE	RODENTS	All Reg.	Ground	PG
7860	MCPA, DIMETHYLAMINE	BROADLEAF WEEDS	All Reg.	Air Ground	PG
8041	2,4-DB	WEEDS	All Reg.	Air Ground	PG
9801	2,4-D AMINE	BROADLEAF WEEDS	All Reg.	Air Ground	PG
16011	PARAQUAT	WEEDS	All Reg.	Air Ground	PG

Permitee: GOUVAIA, MARK | Permit Number: 39-10-3902168

PERMIT COMMODITIES

Crop / Site	Location/Site Narrative/Site Conditions	District	Section / Quantity	Town / Units	Range	Meridian
ALFALFA (23001-0)						
4-2	MAP 4 FIELD 2	J	25 32.00	02S A	04E	M
Site Conditions: P Q 1060 (CARBOFURAN), 3140 (AZINPHOS-METHYL), 3830 (METHOMYL), 3940 (METHYL PARATHION), 5540 (STRYCHNINE), 8041 (2,4-DB), 16011 (PARAQUAT),						
OAT FOR/FOD (22006-0)						
1-1	S/I-205 & E/HANSEN	J	22 3.00	02S A	04E	M
Site Conditions: P Q 2000 (DICAMBA), 2300 (DISULFOTON), 4780 (PHORATE), 7860 (MCPA, DIMETHYLAMINE), 9801 (2,4-D AMINE), 16011 (PARAQUAT),						
1-2	E/HANSEN,S/I-205	J	23 2.00	02S A	04E	M
Site Conditions: P Q 2000 (DICAMBA), 2300 (DISULFOTON), 4780 (PHORATE), 7860 (MCPA, DIMETHYLAMINE), 9801 (2,4-D AMINE), 16011 (PARAQUAT),						
1-3	E/HANSEN,S/I-205	J	23 8.00	02S A	04E	M
Site Conditions: P Q 2000 (DICAMBA), 2300 (DISULFOTON), 4780 (PHORATE), 7860 (MCPA, DIMETHYLAMINE), 9801 (2,4-D AMINE), 16011 (PARAQUAT),						
1-4	S/I-205 & E/HANSEN	J	22 12.00	02S A	04E	M
Site Conditions: P Q 2000 (DICAMBA), 2300 (DISULFOTON), 4780 (PHORATE), 7860 (MCPA, DIMETHYLAMINE), 9801 (2,4-D AMINE), 16011 (PARAQUAT),						
3-1	S/CA AQUEDUCT & N/UPRR	J	2 60.00	03S A	04E	M
Site Conditions: P Q 2000 (DICAMBA), 2300 (DISULFOTON), 4780 (PHORATE), 7860 (MCPA, DIMETHYLAMINE), 9801 (2,4-D AMINE), 16011 (PARAQUAT),						

Permittee: GOUVAIA, MARK | Permit Number: 39-10-3902168

OAT FOR/FOD (22006-0)

4-1	MAP 4 FIELD 1	J	25 8.00	02S A	04E	M

Site Conditions: P Q
2000 (DICAMBA), 2300 (DISULFOTON), 4780 (PHORATE), 7860 (MCPA, DIMETHYLAMINE), 9801 (2,4-D AMINE), 16011 (PARAQUAT),

SOIL FUM/PREPLT (40008-0)

1-1	S/I-205 & E/HANSEN	J	22 3.00	02S A	04E	M

Site Conditions: P Q
9801 (2,4-D AMINE), 16011 (PARAQUAT),

1-2	E/HANSEN,S/I-205	J	23 2.00	02S A	04E	M

Site Conditions: P Q
9801 (2,4-D AMINE), 16011 (PARAQUAT),

1-3	E/HANSEN,S/I-205	J	23 8.00	02S A	04E	M

Site Conditions: P Q
9801 (2,4-D AMINE), 16011 (PARAQUAT),

1-4	S/I-205 & E/HANSEN	J	22 12.00	02S A	04E	M

Site Conditions: P Q
9801 (2,4-D AMINE), 16011 (PARAQUAT),

2-1	S/GRANTLINE & SW BYRON RD	J	13 15.00	02S A	04E	M

Site Conditions: P Q
9801 (2,4-D AMINE), 16011 (PARAQUAT),

4-1	MAP 4 FIELD 1	J	25 8.00	02S A	04E	M

Site Conditions: P Q
9801 (2,4-D AMINE), 16011 (PARAQUAT),

4-2	MAP 4 FIELD 2	J	25 32.00	02S A	04E	M

Site Conditions: P Q
9801 (2,4-D AMINE), 16011 (PARAQUAT),

UNCUL NON-AG (67000-0)

Permitee: GOUVAIA, MARK

Permit Number: 39-10-3902168

UNCUL NON-AG (67000-0)

ALL	SE HANSEN & I-205	J	23	02S	04E	M
			2.00	A		

Site Conditions: P Q
9801 (2,4-D AMINE), 16011 (PARAQUAT),

WHEAT FOR/FOD (22007-0)

2-1	S/GRANTLINE & SW BYRON RD	J	13	02S	04E	M
			15.00	A		

Site Conditions: P Q
2000 (DICAMBA), 2300 (DISULFOTON), 4780 (PHORATE), 7860 (MCPA, DIMETHYLAMINE), 9801 (2,4-D AMINE), 16011 (PARAQUAT),

APPLICATION - RESTRICTED MATERIALS PERMIT - SUPPLEMENT

PERMIT NO. 3902168

PAGE NO. 1

Addsite — Gowaiker Mark

LOCATION	SEC	TWN	RNG	MAP ID	COMMODITY	ACRES/ UNITS	PESTICIDES	PESTS	F*	M**	RATE	DILUTION/ VOLUME	APPL	DATE/ TIMING
7. 5-1	14	25	45	5	Wheat	31	Dicamba							
8.							Disulfoton							
9.							Phorate							
10.							MCPA Dimethyal							
11.							2,4-D Amine							
12.							Paraquat							
13.														
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29.														
30.														
31.														

*Formulation: L--Liquid B--Bait D--Dust F--Fumigant G--Granules WP--Wettable Powder O--Other

**Method: A--Air F--Fumigation Gr--Ground O--Other

APPLICANT SIGNATURE Mark Gowaiker DATE 9-2-2010

ISSUED BY [signature] DATE 8/31/10

DISTRIBUTION: WHITE & YELLOW - COUNTY AGRICULTURAL COMMISSIONER; PINK & GOLD - PERMITTEE

OSP 08 109802

STATE OF CALIFORNIA
DEPARTMENT OF PESTICIDE REGULATION
PR-ENF-125A (REV. 10/07) Page 1 of 1

Permitee: GOUVAIA, MARK Permit Number: 39-10-3902168

Description of Conditions on this Permit:

Condition ID	Description
A.	Permit Cond.Table of Contents

A - PERMIT CONDITIONS - TABLE OF CONTENTS

WORKERS SAFETY SERIES ATTACHED

[ ] A-1 through A-11 General Information

PERMIT CONDITONS ATTACHED

[X] P - General
[ ] Q - Dicamba & Phenoxy Herbicides - Central Valley/Hazardous Area
[ ] R - Dicamba & Phenoxys - Special Hazardous Area
[ ] S - Metam Sodium & Metam Potassium
[ ] T - Aldicarb (Temik)
[ ] U - Endosulfan (Thiodan)
[ ] V - Rice Pesticides Program
    [ ] - Molinate (Ordram) Worker Safety (A)
    [ ] - Attachments 1-10: Molinate (1, 6), Thiobencarb (2,6,7), Methylparathion (3,9), Seepage Control (5), Propanil (10) and Malathion (voluntary: 4,8).
[ ] W - Methyl Bromide
    [ ] - Soil within greenhouses
    [ ] - Commodity
    [ ] - Soil injection
    [ ] - Tarped potting soil
    [ ] - Single tree site
[ ] X - Furadan chemigation of grapes
[ ] Y - 1, 3 - Dichloropropene
[ ] Z - Other

GROUNDWATER PROTECTION PERMIT CONDITIONS

These conditions apply to pesticides labeled for agricultural, outdoor industrial, or outdoor institutional use that contain chemicals listed in 3CCR section 6800(a): ATRAZINE, SIMAZINE, BROMACIL, DIURON (except products with less than 7% diuron applied to foliage), PROMETON, BENTAZON, AND NORFLURAZON. Ground Water Protection Areas (GWPA), for

San Joaquin County, are designated in the Department of Pesticide Regulation document EH03-03.

Permittee: GOUVAIA, MARK Permit Number: 39-10-3902168

A list of GWPAs may be obtained from the Commissioner's Office or DPR's website (www.cdpr.ca.gov/docs/gwp).

"Engineered rights of way" are defined as areas within a ground water protection area (GWPA) that are constructed in a way that results in increased runoff and collection of storm water, such as railroad ballasts and berms, public roadsides, and highway median strips or similar areas, but not canal or ditch banks or utility lines.

SPECIFIC GROUNDWATER PROTECTION PERMIT CONDITIONS ATTACHED

GWP-C & D Unlined canal and ditch banks
[ ] 1 - Percolation rate is less than or equal to 0.2 inches per hour
[ ] 2 - Applied six months prior to water run
[ ] 3 - All applications are prohibited below high water line

GWP-ROW Engineered rights-of-way within San Joaquin County GWPAs
[ ] 1A - Soil disturbance within 7 days
[ ] 1B - Incorporation
[ ] 1C - Applied between April 1 and July 31
[ ] 2 - Runoff passes through adjacent fully vegetated noncrop area
[ ] 3 - Compliance with NPDES permit

GWP-R Runoff GWPAs within San Joaquin County
[ ] 1 - Soil disturbance
[ ] 2 - Incorporated
[ ] 3 - Band treatment
[ ] 4 - Applied between April 1 and July 31
[ ] 5 - Runoff water held onsite
[ ] 6 - Runoff water stored offsite
[ ] 7 - Runoff to adjacent fallow field

GWP-L Leaching GWPAs within San Joaquin County
[ ] 1 - No irrigation
[ ] 2 - Bed or berm application
[ ] 3 - Managed irrigation

GWP-Director Director Approved Alternative Management Practices or Interim Use
[ ] 1 - Director approved alternative
[ ] 2 - Director approved interim use

Revised 10/04

P General

CONDITION R General

Permitee: GOUVAIA, MARK Permit Number: 39-10-3902168

In addition to all applicable laws, regulations, label restrictions and other more restrictive conditions of this permit, THE FOLLOWING CONDITIONS APPLY TO APPLICATIONS COVERED BY THIS PERMIT.

1. Maximum wind velocities for applications of Restricted Materials unless otherwise covered by the label, law, regulation, other permit conditions or environmental conditions at the application site are:

   a. Spray - 12 m.p.h.
   b. Dust - 8 m.p.h.
   c. Pellets, granular or baits - 16 m.p.h.

2. No pesticide application shall be made or continued when there is the likelihood of contaminating any persons, non-target crops, animals or other public or private property.

3. Unless specifically named as a dust on this permit, NO DUST FORMULATIONS are allowed.

4. Apply pesticides covered by SLN(s) and Section 18(s) in conformance with the SLN(s) and Section 18(s).

5. A flagger is required at the application site for all AIR applications of Zinc Phosphide bait.

Revised 10/90

Q Dicamba & Phenoxy Herbicide CV

CONDITION - Q - DICAMBA AND PHENOXY HERBICIDES - CENTRAL VALLEY/HAZARDOUS AREA

In addition to all applicable laws, regulations and label restrictions, the CONDITIONS CHECKED BELOW APPLY to applications covered by this permit.

[X] 1. No ester formulation applications allowed.

[ ] 2. A smoke column is required at the application site for all Phenoxy and Dicamba applications by aircraft beginning March 16 and continuing through October 15.

[X] 3. Do not discharge material more than 10 feet above the crop or target.

[ ] 4. A drift reducing agent shall be added to the spray mixture at label rates

Permitee: GOUVAIA, MARK Permit Number: 39-10-3902168

[X] 5. Maximum wind velocity for Phenoxy herbicides - 10 m.p.h.

[X] 6. Maximum wind velocity for Dicamba - 10 m.p.h. EXCEPT when wind is moving in direction of sensitive crops, the maximum wind velocity - 5 m.p.h.

[ ] 7. No Dicamba application allowed in the vicinity of sensitive crops when the maximum temperature on the day of application is predicted to exceed 85 degrees fahrenheit. Predicted temperature for the following day will be determined by the 3:30 p.m. prediction by the National Weather Station - Stockton Airport.

[ ] 8. Dicamba applications by aircraft are restricted to a minimum distance of two (2) miles from the following susceptible crops: beans, grapes, sunflower, tomato, safflower, curcurbits, potatoes.

[ ] 9. Dicamba applications by ground are restricted to a minimm distance of 20 feet from the following susceptible crops: beans, safflower, tomato, curcurbits, potatoes and 1/4 mile from grapes and sunflowers.

[ ] 10. No Dicamba or Phenoxy herbicide applications allowed beginning March 16 and continuing through October 15, and until grape leaves in the vicinity of the treated area are "browned off".

Revised 10/90

Description of Custom Site Conditions

Condition ID	Long Description

*** LAST PAGE ***

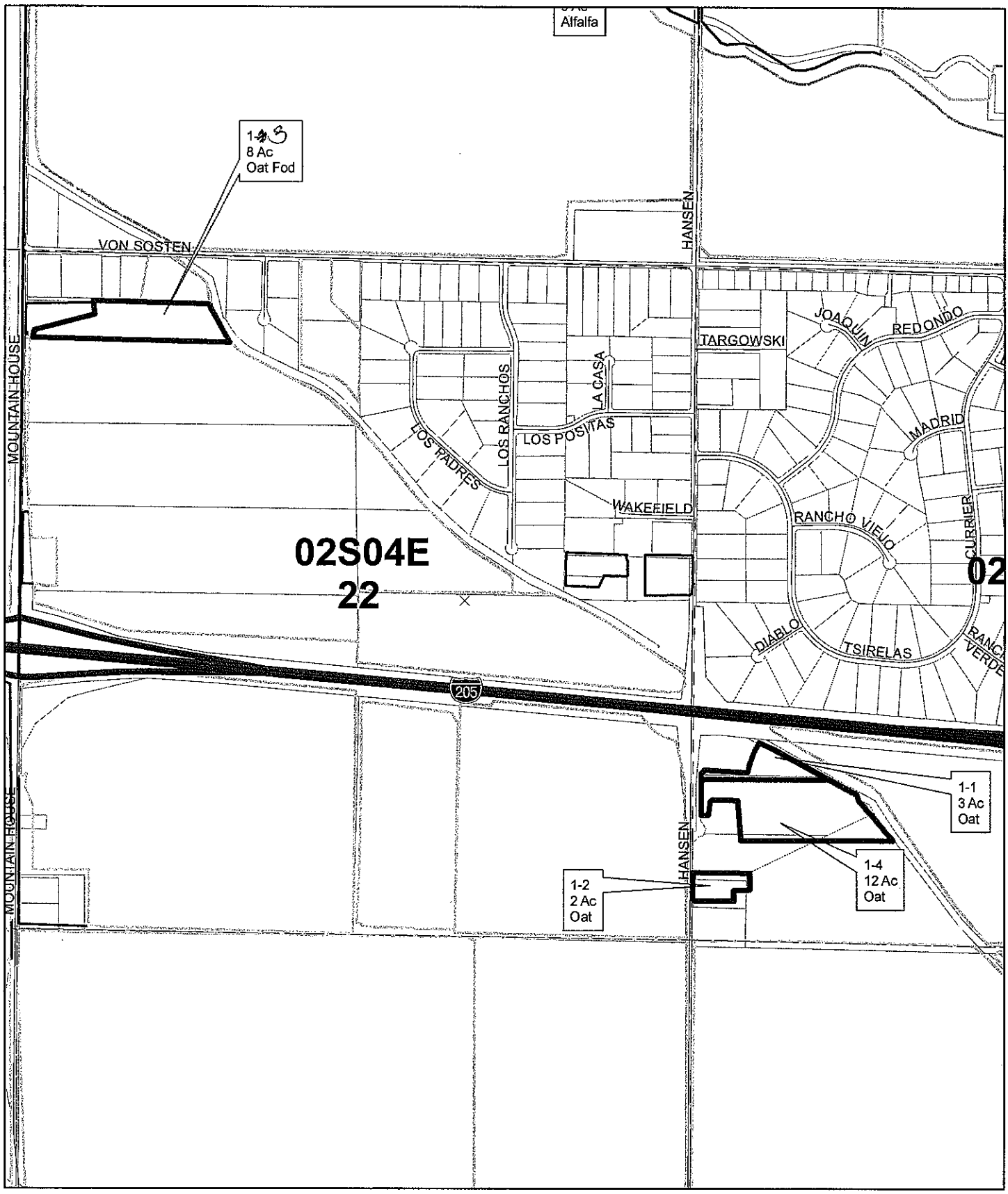
San Joquin County
Agricultural Commissioner's Office

3902168

District J
Permittee

Gouvaia, Mark

Map #
1



San Joquin County
Agricultural Commissioner's Office

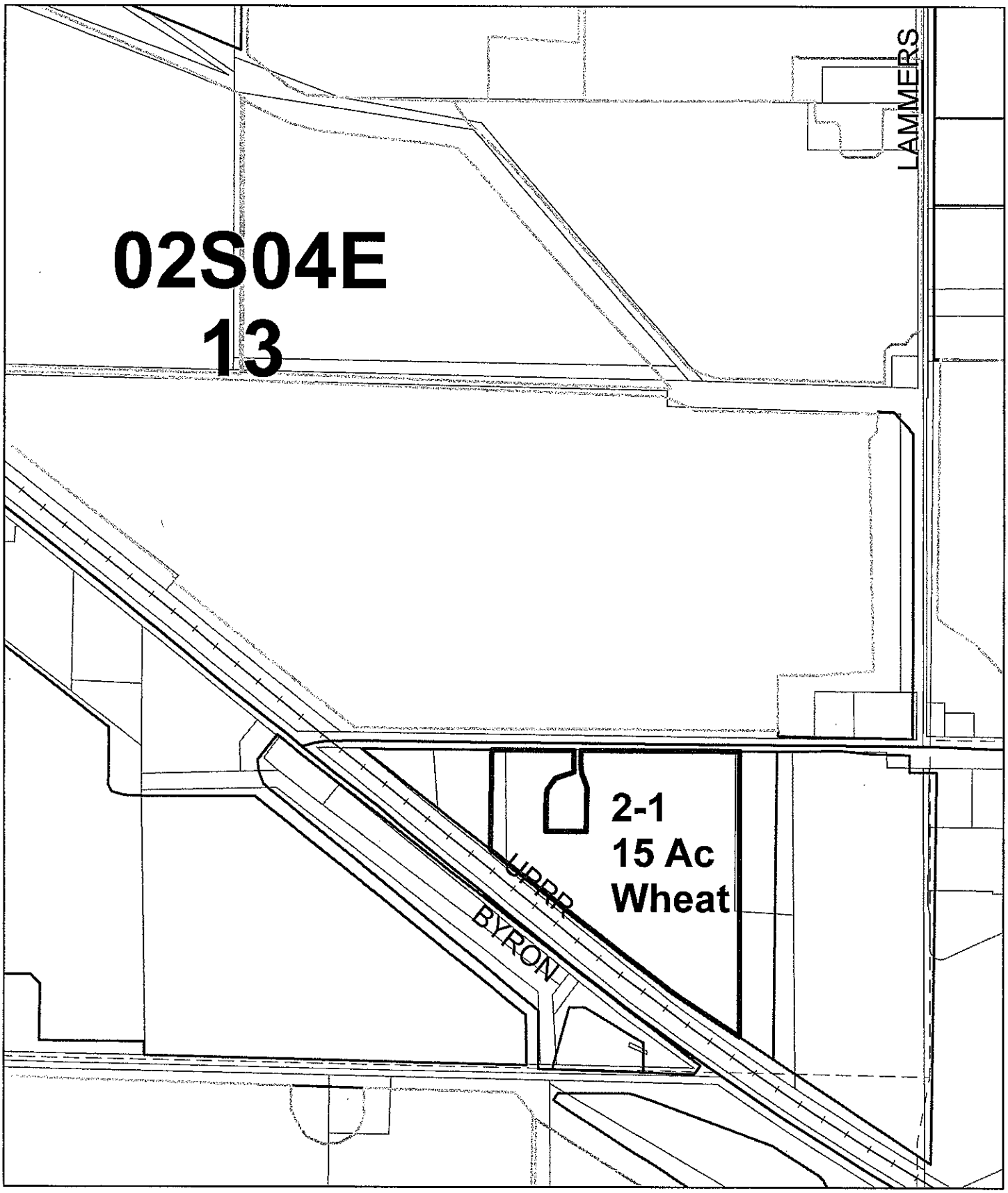
3902168

District J
Permittee

Gouvaia, Mark

Map #
2

N



San Joaquin County
Agricultural Commissioner's Office

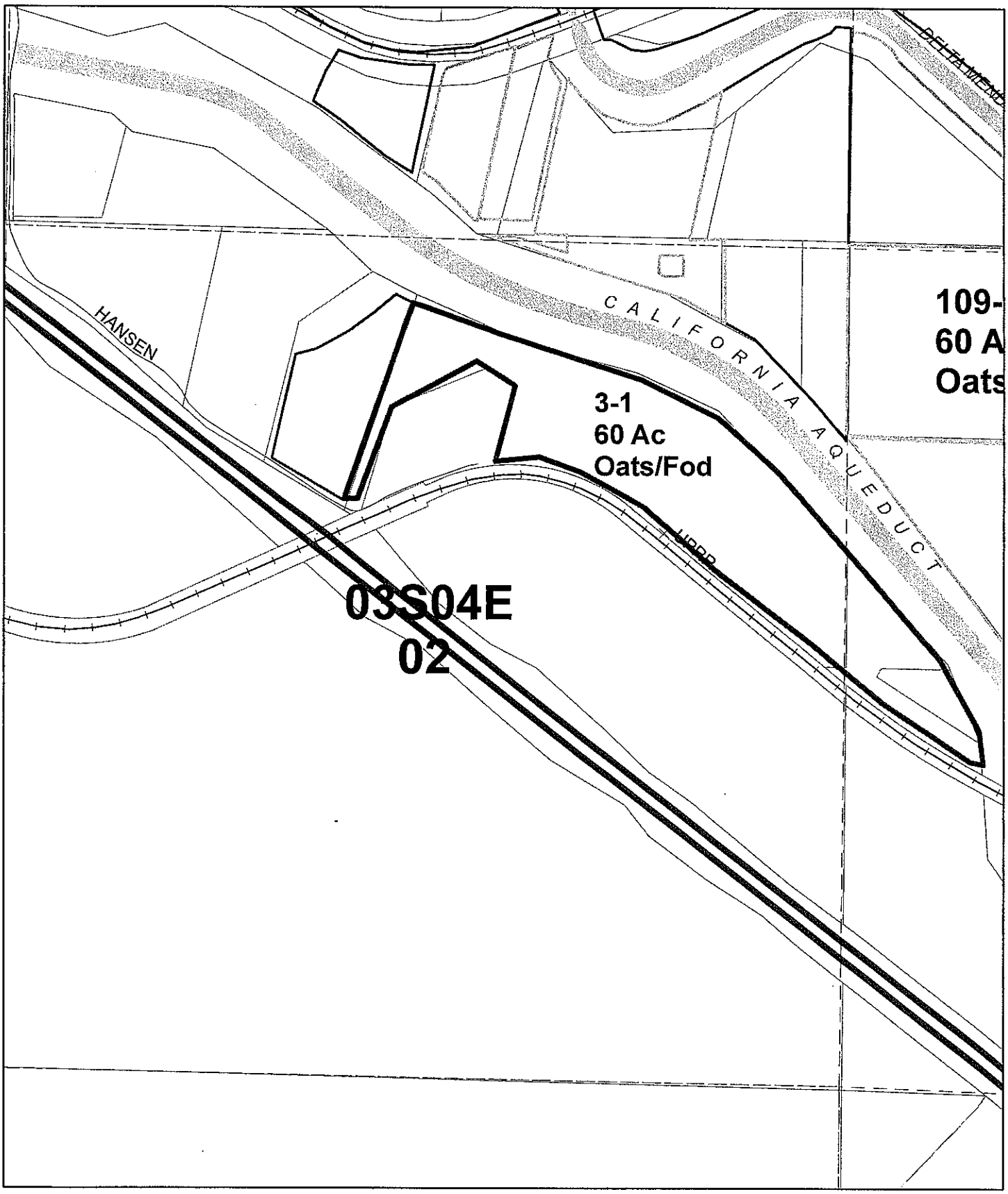
3902168

District J
Permittee

Gouvaia, Mark

Map #
3

N



San Joaquin County
Agricultural Commissioner's Office

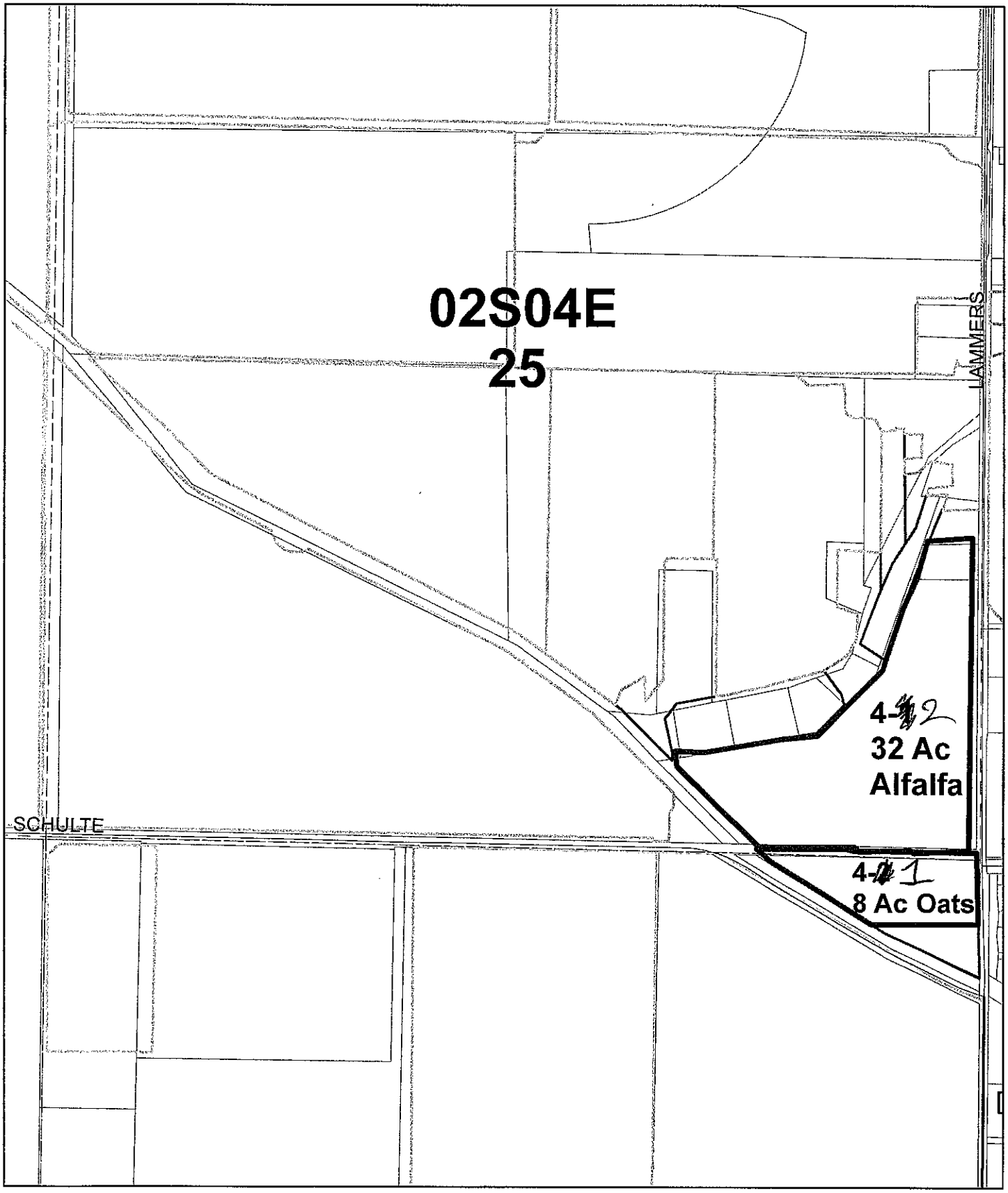
3902168

District J
Permittee

Gouvaia, Mark

Map #
4

N



San Joaquin County
Agricultural Commissioner's Office

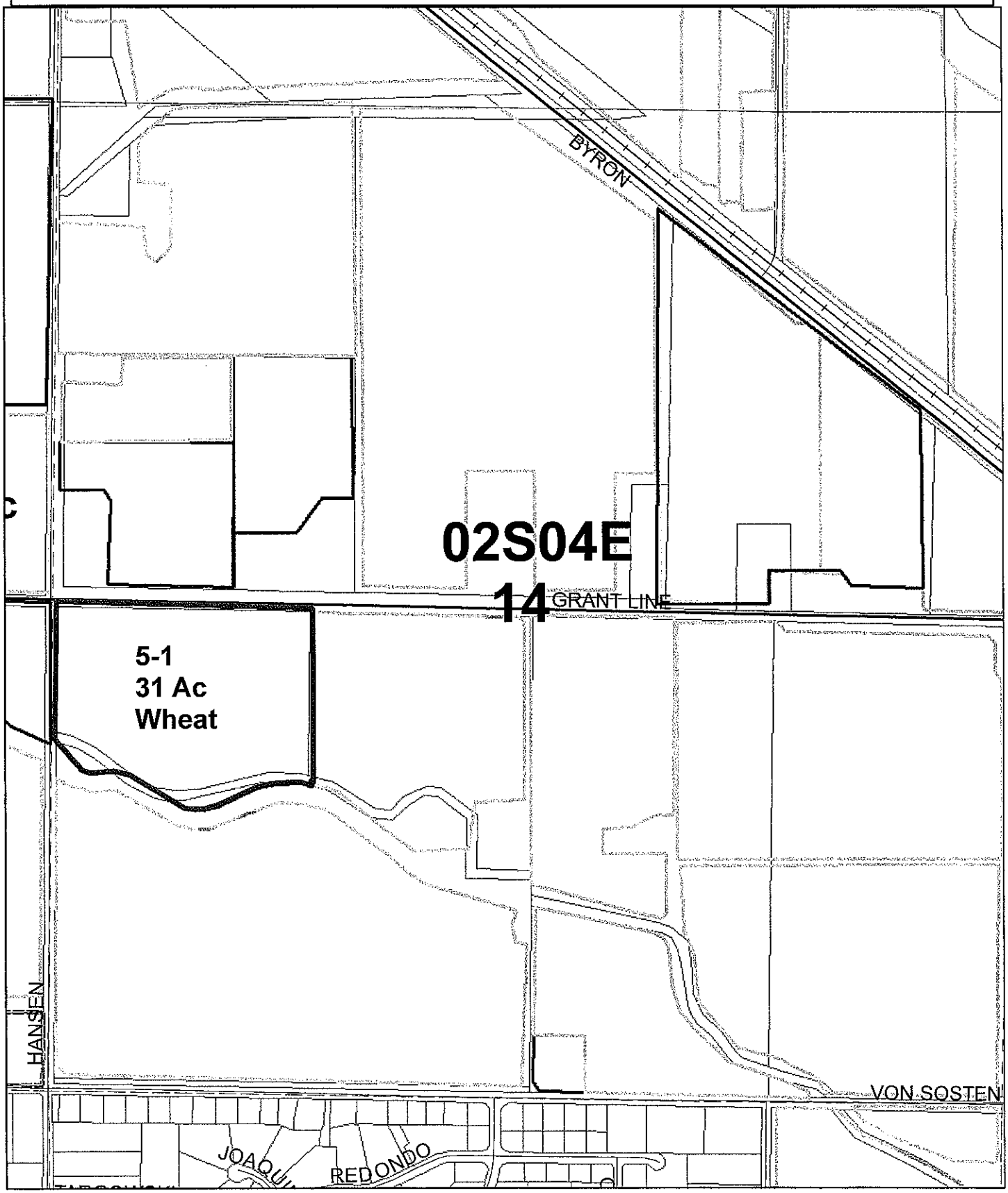
3900237

District J
Permittee

Gouvaia, Mark

Map #
5

N



SAN JOAQUIN COUNTY
2101 E EARHART. SUITE 100
STOCKTON, CA 95206-
Web:www.co.san-joaquin.ca.us/agcomm

Office: (209)953-6000 Fax: (209)953-6022 Recorder (NOI's): (209)953-6000

RESTRICTED MATERIALS PERMIT

GOUVAIA MARK
24380 HANSEN RD
TRACY CA 95377

MARK GOUVAIA
24380 HANSEN RD
TRACY CA 95377

Permit Number: 39-09-3902168
County District #: 1
Expiration Date: December 31, 2009
Effective Date: ~~January 1, 1990~~ Jan 1, 2009

Home Phone:
Shop Phone:
Mobile Phone:
Fax:

Permittee Type: Private Applicator
Permit Type: Seasonal
Possession: Possession & Use

NOI Method of Submission:
Phone: X Fax: X Box:
In Person: X Web: X

NOI required 24 hours prior to application.

Conditions: A,P,Q

See end of permit for code descriptions.

I understand that this permit does not relieve me from liability for any damages to any persons or property caused by the use of these pesticides. I waive any claims of liability for damages against the County Department of Agriculture based on the issuance of this permit. I further understand that this permit may be revoked when pesticides are used in conflict with the manufacturer's labeling or in violation of applicable laws, regulations and specific conditions of this permit. I authorize inspection at all reasonable times and whenever an emergency exists by the Department of Pesticide Regulation or the County Department of Agriculture of all areas treated or to be treated, storage facilities for pesticides or emptied containers and equipment used or to be used in the treatment. I have considered alternatives and mitigation measures pursuant to Title 3, California Code of Regulations, section 6426. Taking into account economic, environmental, social, and technological factors, I have adopted those that are feasible and would substantially lessen any significant adverse impact on the environment.
[Form PR-ENF-125 (Rev. 11/06) Pesticide Enforcement Branch]

Permit Applicant: Mark Gouvaia (Please Print) **Signed:** Mark Gouvaia

Title: Owner (Please Print) **Issue Date:** 1-2-2009

Issuing Officer: Tom Dawson **Issue Date:** 12-30-08

Employees do not handle pesticides.

Contact Name	License#	Exp. Date	Phone Number	Contact Type
GOUVAIA, MARK A	3900237-00000	12/31/2009		Private Applicator Certificate
GOUVAIA, MARK	3902168			Grower-Permittee

PERMIT PESTICIDES

Number	Pesticide	Pests	Forms	Methods	Applicators
2000	DICAMBA	BROADLEAF WEEDS	All Reg.	Air Ground	PG
2300	DISULFOTON	APHIDS	All Reg.	Air Ground	PG
4780	PHORATE	APHIDS	All Reg.	Air Ground	PG
7860	MCPA, DIMETHYLAMINE	BROADLEAF WEEDS	All Reg.	Air Ground	PG
9801	2,4-D AMINE	BROADLEAF WEEDS	All Reg.	Air Ground	PG
16011	PARAQUAT	WEEDS	All Reg.	Air Ground	PG

PERMIT COMMODITIES

Crop Site	Location/Site Narrative/Site Conditions	District	Section Quantity	Town Units	Range	Meridian
OAT FOR/FOD (22006-0)						
1-1	S/I-205 & E/HANSEN	J	22 3.00	02S A	04E	M
	Site Conditions: P Q 2000 (DICAMBA), 2300 (DISULFOTON), 4780 (PHORATE), 7860 (MCPA, DIMETHYLAMINE), 9801 (2,4-D AMINE), 16011 (PARAQUAT),					
1-2	E/HANSEN,S/I-205	J	23 2.00	02S A	04E	M
	Site Conditions: P Q 2000 (DICAMBA), 2300 (DISULFOTON), 4780 (PHORATE), 7860 (MCPA, DIMETHYLAMINE), 9801 (2,4-D AMINE), 16011 (PARAQUAT),					
1-4	S/I-205 & E/HANSEN	J	22 12.00	02S A	04E	M
	Site Conditions: P 2000 (DICAMBA), 2300 (DISULFOTON), 4780 (PHORATE), 7860 (MCPA, DIMETHYLAMINE), 9801 (2,4-D AMINE), 16011 (PARAQUAT),					
3-1	S/CA AQUEDUCT & N/UPRR	J	2 60.00	03S A	04E	M
	Site Conditions: P Q 2000 (DICAMBA), 2300 (DISULFOTON), 4780 (PHORATE), 7860 (MCPA, DIMETHYLAMINE), 9801 (2,4-D AMINE), 16011 (PARAQUAT),					
SOIL FUM/PREPLT (40008-0)						

SOIL FUM/PREPLT (40008-0)

1-2	E/HANSEN,S/I-205	J	23	02S	04E	M
			2.00	A		

9801 (2,4-D AMINE), 16011 (PARAQUAT),

1-3	SE COR MOUNTAIN HOUSE & VONSOSTE	J	22	02S	04E	M
			8.00	A		

9801 (2,4-D AMINE), 16011 (PARAQUAT),

2-1	S/GRANTLINE & SW BYRON RD	J	13	02S	04E	M
			15.00	A		

9801 (2,4-D AMINE), 16011 (PARAQUAT),

UNCUL NON-AG (67000-0)

ALL	SE HANSEN & I-205	J	23	02S	04E	M
			2.00	A		

Site Conditions: P Q
9801 (2,4-D AMINE), 16011 (PARAQUAT),

WHEAT FOR/FOD (22007-0)

1-3	SE COR MOUNTAIN HOUSE & VONSOSTE	J	22	02S	04E	M
			8.00	A		

Site Conditions: P Q
2000 (DICAMBA), 2300 (DISULFOTON), 4780 (PHORATE), 7860 (MCPA, DIMETHYLAMINE), 9801 (2,4-D AMINE), 16011 (PARAQUAT),

2-1	S/GRANTLINE & SW BYRON RD	J	13	02S	04E	M
			15.00	A		

Site Conditions: P Q
2000 (DICAMBA), 2300 (DISULFOTON), 4780 (PHORATE), 7860 (MCPA, DIMETHYLAMINE), 9801 (2,4-D AMINE), 16011 (PARAQUAT),

APPLICATION - RESTRICTED MATERIALS - SUPPLEMENT

PERMIT NO 3402168

PAGE NO. 1 of 1

Mark Gowaza

LOCATION	SEC	TWN	RNG	MAP ID	COMMODITY	ACRES/ UNITS	PESTICIDES	PESTS	F*	M**	RATE	DILUTION/ VOLUME	APPL	DATE/ TIMING
8. Delete SITE 1-3														
9.														
10. ADD Soil fum TO								ADD CMO ITEMS P & Q						
11. 2-1	13	2S	4E	21	SOIL	15								
12. GRANTline & Byron														
13.														
14.														
15.														
16.														
17.														
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26.														
27.														
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30.														
31.														
32.														
33.														

*Formulation: L--Liquid B--Bait D--Dust F--Fumigant G--Granules WP--Wettable Powder O--Other

**Method: A--Air F--Fumigation Gr--Ground O--Other

APPLICANT SIGNATURE Mark Gowaza DATE 3-3-2009

ISSUED BY [signature] DATE 3-5-09

DISTRIBUTION: WHITE & YELLOW-COUNTY; PINK & GOLD-PERMITTEE

ENFORCEMENT BRANCH PR-ENF-125A (Rev. 9/00)

Description of Conditions on this Permit:

Condition ID	Description
A	Permit Cond.Table of Contents

A - PERMIT CONDITIONS - TABLE OF CONTENTS

WORKERS SAFETY SERIES ATTACHED

[ ] A-1 through A-11 General Information

PERMIT CONDITONS ATTACHED

[X] P - General
[X] Q - Dicamba & Phenoxy Herbicides - Central Valley/Hazardous Area
[ ] R - Dicamba & Phenoxys - Special Hazardous Area
[ ] S - Metam Sodium & Metam Potassium
[ ] T - Aldicarb (Temik)
[ ] U - Endosulfan (Thiodan)
[ ] V - Rice Pesticides Program
    [ ] - Molinate (Ordram) Worker Safety (A)
    [ ] - Attachments 1-10: Molinate (1, 6), Thiobencarb (2,6,7), Methylparathion (3,9), Seepage Control (5), Propanil (10) and Malathion (voluntary: 4,8).
[ ] W - Methyl Bromide
    [ ] - Soil within greenhouses
    [ ] - Commodity
    [ ] - Soil injection
    [ ] - Tarped potting soil
    [ ] - Single tree site
[ ] X - Furadan chemigation of grapes
[ ] Y - 1, 3 - Dichloropropene
[ ] Z - Other

GROUNDWATER PROTECTION PERMIT CONDITIONS

These conditions apply to pesticides labeled for agricultural, outdoor industrial, or outdoor institutional use that contain chemicals listed in 3CCR section 6800(a): ATRAZINE, SIMAZINE, BROMACIL, DIURON (except products with less than 7% diuron applied to foliage), PROMETON, BENTAZON, AND NORFLURAZON. Ground Water Protection Areas (GWPA), for San Joaquin County, are designated in the Department of Pesticide Regulation document EH03-05.

A list of GWPAs may be obtained from the Commissioner's Office or DPR's website (www.cdpr.ca.gov/docs/gwp).

"Engineered rights of way" are defined as areas within a ground water protection area (GWPA) that are constructed in a way that results in increased runoff and collection of storm water, such as railroad ballasts and berms, public roadsides, and highway median strips or similar areas, but not canal or ditch banks or utility lines.

SPECIFIC GROUNDWATER PROTECTION PERMIT CONDITIONS ATTACHED

GWP-C & D Unlined canal and ditch banks
[ ] 1 - Percolation rate is less than or equal to 0.2 inches per hour
[ ] 2 - Applied six months prior to water run
[ ] 3 - All applications are prohibited below high water line

GWP-ROW Engineered rights-of-way within San Joaquin County GWPAs
[ ] 1A - Soil disturbance within 7 days
[ ] 1B - Incorporation
[ ] 1C - Applied between April 1 and July 31
[ ] 2 - Runoff passes through adjacent fully vegetated noncrop area
[ ] 3 - Compliance with NPDES permit

GWP-R Runoff GWPAs within San Joaquin County
[ ] 1 - Soil disturbance
[ ] 2 - Incorporated
[ ] 3 - Band treatment
[ ] 4 - Applied between April 1 and July 31
[ ] 5 - Runoff water held onsite
[ ] 6 - Runoff water stored offsite
[ ] 7 - Runoff to adjacent fallow field

GWP-L Leaching GWPAs within San Joaquin County
[ ] 1 - No irrigation
[ ] 2 - Bed or berm application
[ ] 3 - Managed irrigation

GWP-Director Director Approved Alternative Management Practices or Interim Use
[ ] 1 - Director approved alternative
[ ] 2 - Director approved interim use

Revised 10/04

P General

CONDITION - P - General

In addition to all applicable laws, regulations, label restrictions and other more restrictive conditions of this permit, THE FOLLOWING CONDITIONS APPLY TO APPLICATIONS COVERED BY THIS PERMIT.

1. Maximum wind velocities for applications of Restricted Materials unless otherwise covered by the label, law, regulation, other permit conditions or environmental conditions at the application site are:

   a. Spray - 12 m.p.h.
   b. Dust - 8 m.p.h.
   c. Pellets, granular or baits - 16 m.p.h.

2. No pesticide application shall be made or continued when there is the likelihood of contaminating any persons, non-target crops, animals or other public or private property.

3. Unless specifically named as a dust on this permit, NO DUST FORMULATIONS are allowed.

4. Apply pesticides covered by SLN(s) and Section 18(s) in conformance with the SLN(s) and Section 18(s).

5. A flagger is required at the application site for all AIR applications of Zinc Phosphide bait.

Revised 10/90

Q Dicamba & Phenoxy Herbicide CV

CONDITION - Q - DICAMBA AND PHENOXY HERBICIDES - CENTRAL VALLEY/HAZARDOUS AREA

In addition to all applicable laws, regulations and label restrictions, the CONDITIONS CHECKED BELOW APPLY to applications covered by this permit.

[X] 1. No ester formulation applications allowed.

[ ] 2. A smoke column is required at the application site for all Phenoxy and Dicamba applications by aircraft beginning March 16 and continuing through October 15.

[X] 3. Do not discharge material more than 10 feet above the crop or target.

[ ] 4. A drift reducing agent shall be added to the spray mixture at label rates.

[X] 5. Maximum wind velocity for Phenoxy herbicides - 10 m.p.h.

[X] 6. Maximum wind velocity for Dicamba - 10 m.p.h. EXCEPT when wind is moving in direction of sensitive crops, the maximum wind velocity - 5 m.p.h.

[ ] 7. No Dicamba application allowed in the vicinity of sensitive crops when the maximum temperature on the day of application is predicted to exceed 85 degrees fahrenheit. Predicted temperature for the following day will be determined by the 3:30 p.m. prediction by the National Weather Station - Stockton Airport.

[ ] 8. Dicamba applications by aircraft are restricted to a minimum distance of two (2) miles from the following susceptible crops: beans, grapes, sunflower, tomato, safflower, curcurbits, potatoes.

[ ] 9. Dicamba applications by ground are restricted to a minimm distance of 20 feet from the following susceptible crops: beans, safflower, tomato, curcurbits, potatoes and 1/4 mile from grapes and sunflowers.

[ ] 10. No Dicamba or Phenoxy herbicide applications allowed beginning March 16 and continuing through October 15, and until grape leaves in the vicinity of the treated area are "browned off".

Revised 10/90

Description of Custom Site Conditions

Condition ID	Long Description

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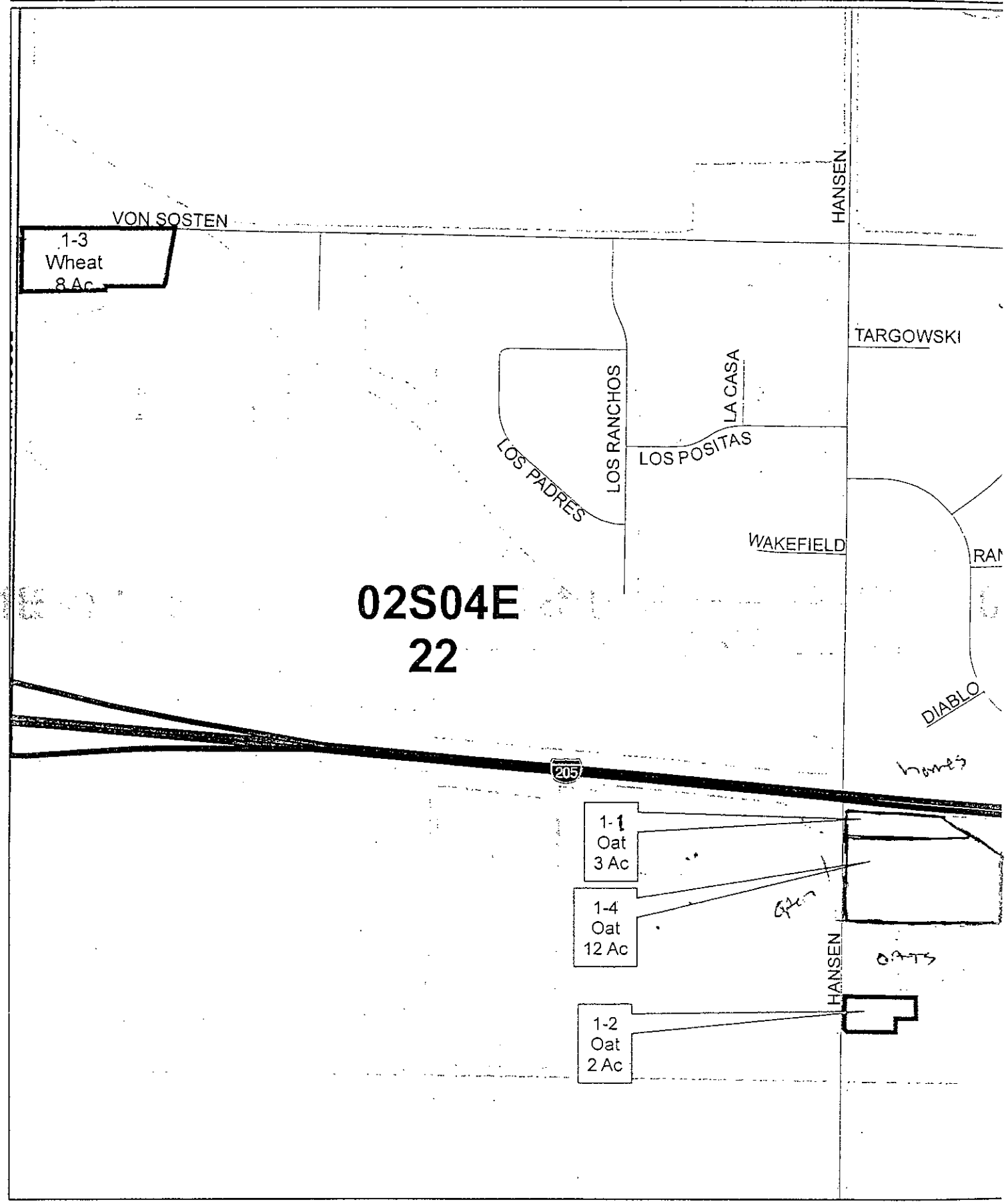
San Joaquin County
Agricultural Commissioner's Office

Permit # 3902168 District 5 Map # 1

N

Permittee

Gouvaia, Mark

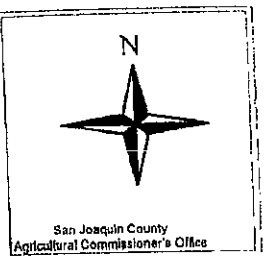


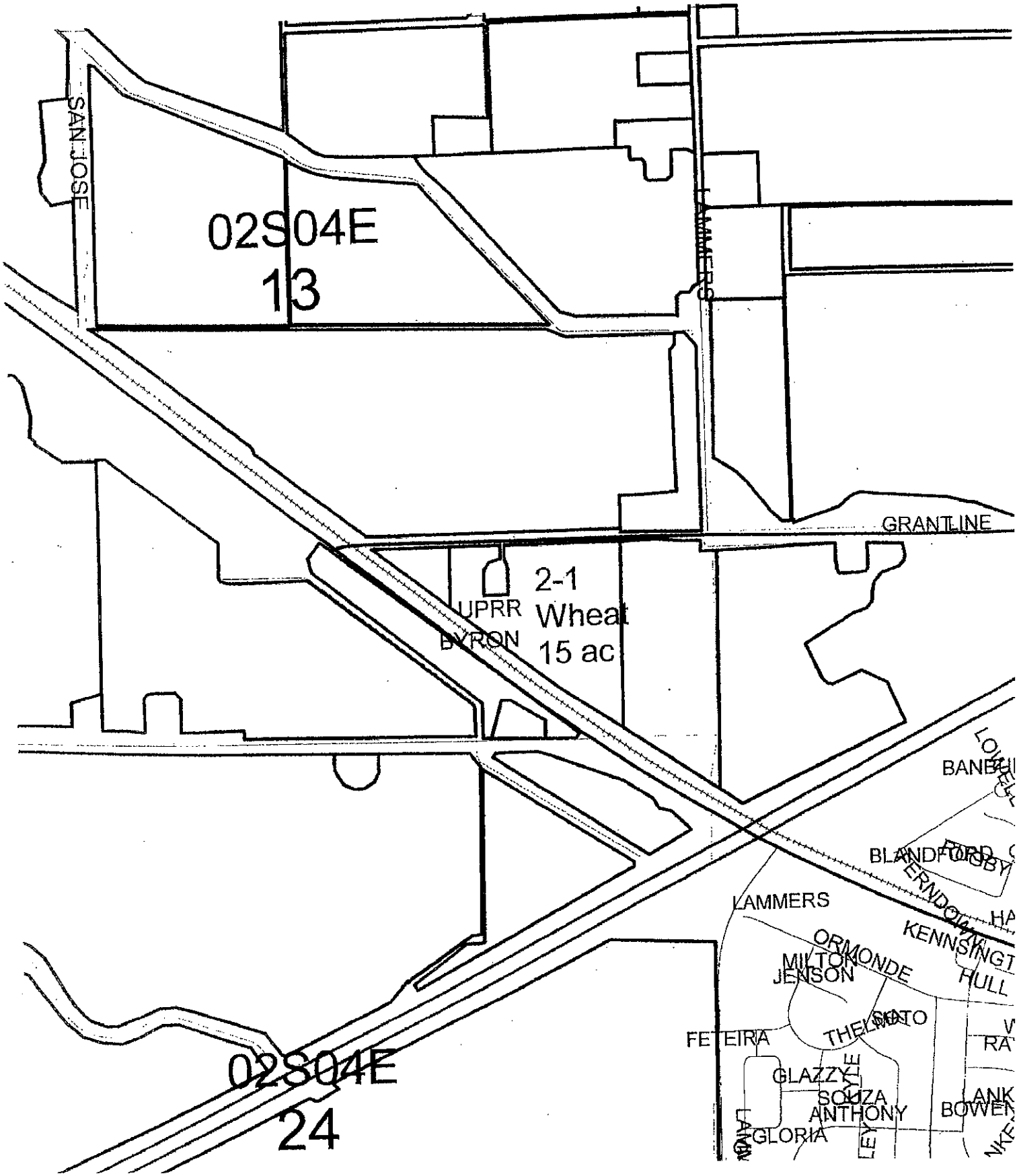
District J

Permit # 3902168

Permittee Gouvaia, Mark

Map # 2





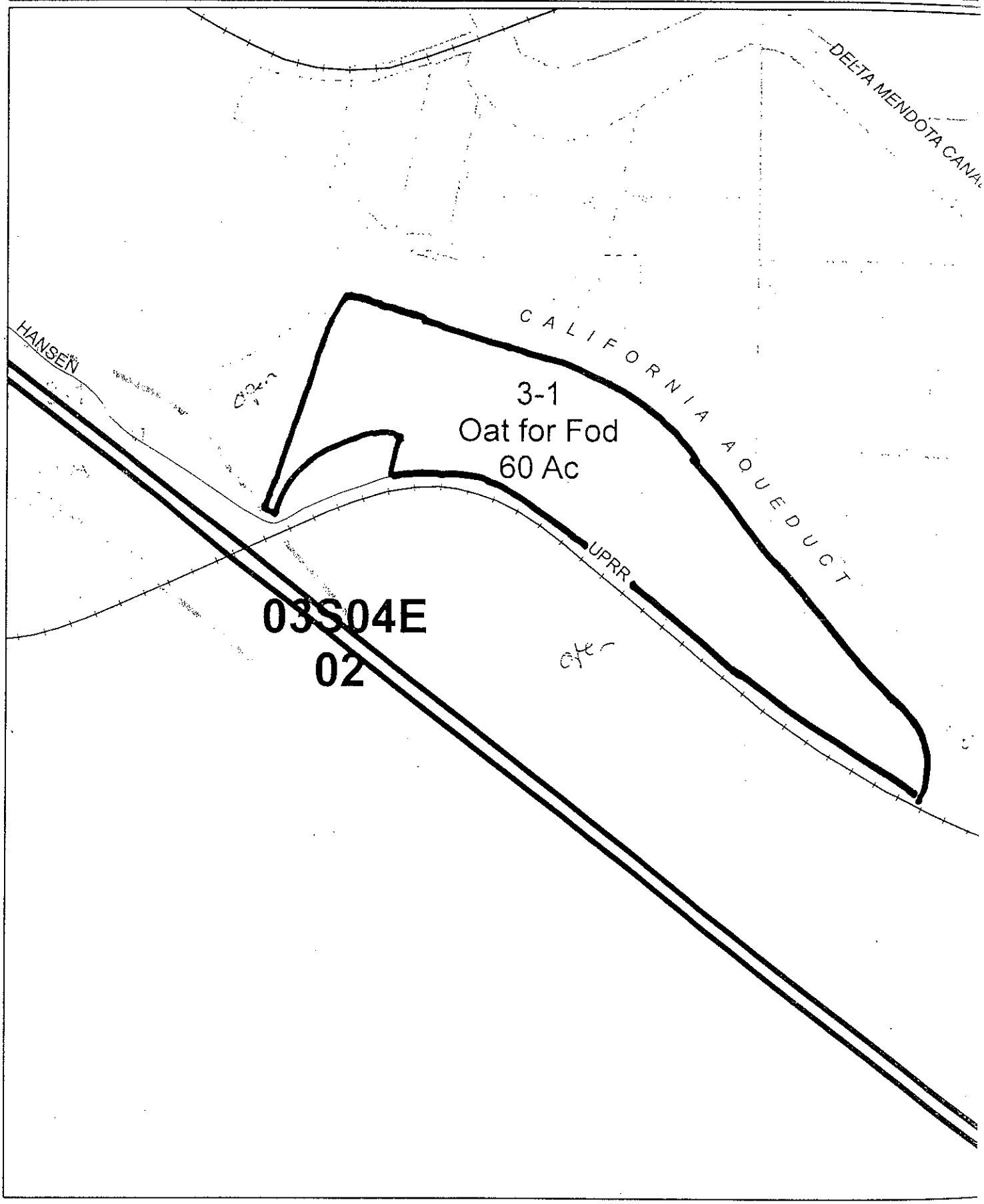
San Joaquin County
Agricultural Commissioner's Office

Permit # 3902168 District J **Map # 3**

N

Permittee

Gouvaia, Mark



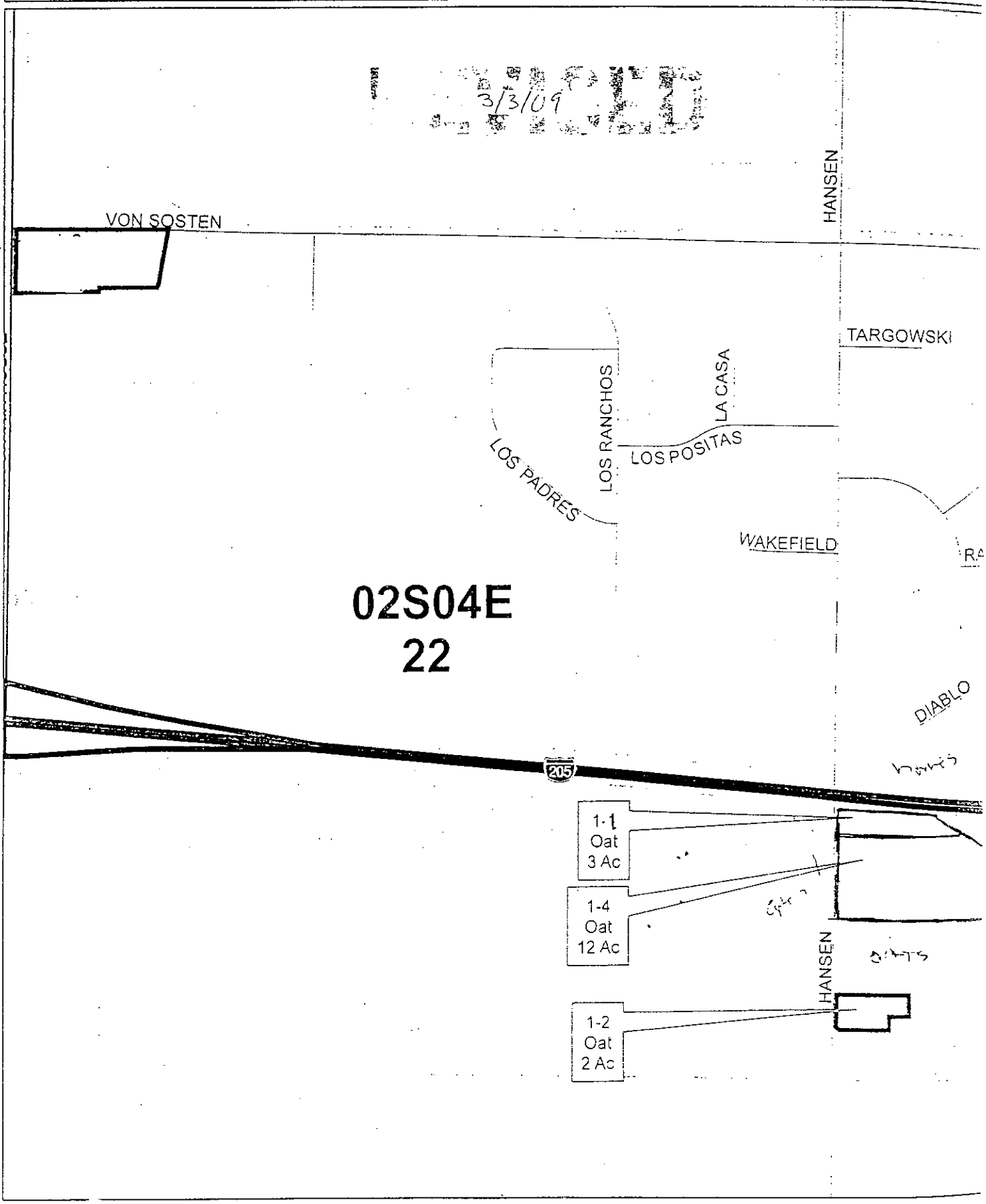
San Joaquin County
Agricultural Commissioner's Office

Permit # 3902168 District 5 Map # 1

N

Permittee

Gouvaia, Mark



SAN JOAQUIN COUNTY
1868 E. HAZELTON AVENUE
STOCKTON, CA 95205-
Web:www.co.san-joaquin.ca.us/agcomm

Office: (209)468-3300 Fax: (209)468-3330 Recorder (NOI's): (209)468-3300

RESTRICTED MATERIALS PERMIT

GOUVAIA, MARK
24380 HANSEN RD
TRACY, CA 95377

MARK GOUVAIA
24380 HANSEN RD
TRACY, CA 95377

Permit Number: 39-08-3902168
County District #: J
Expiration Date: December 31, 2008
Effective Date: ~~January 1, 1990~~ Feb 8, 2008
Home Phone:
Shop Phone:
Mobile Phone:
Fax:

Permittee Type: Private Applicator
Permit Type: Seasonal
Possession: Possession & Use

NOI Method of Submission:
Phone: X Fax: X Box:
In Person: X Web: X Modem:
NOI required 24 hours prior to application.

Conditions: A,P,Q

See end of permit for code descriptions.

I understand that this permit does not relieve me from liability for any damages to any persons or property caused by the use of these pesticides. I waive any claims of liability for damages against the County Department of Agriculture based on the issuance of this permit. I further understand that this permit may be revoked when pesticides are used in conflict with the manufacturer's labeling or in violation of applicable laws, regulations and specific conditions of this permit. I authorize inspection at all reasonable times and whenever an emergency exists by the Department of Pesticide Regulation or the County Department of Agriculture of all areas treated or to be treated, storage facilities for pesticides or emptied containers and equipment used or to be used in the treatment. I have considered alternatives and mitigation measures pursuant to Title 3, California Code of Regulations, section 6426. Taking into account economic, environmental, social, and technological factors, I have adopted those that are feasible and would substantially lessen any significant adverse impact on the environment.
[Form PR-ENF-125 (Rev. 11/06) Pesticide Enforcement Branch]

Permit Applicant: Mark Gouvaia (Please Print) Signed: Mark Gouvaia

Title: Owner (Please Print) Issue Date: 2/8/08

Issuing Officer: Don McCord Issue Date: 2/8/08

Permitee: GOUVAIA, MARK | Permit Number: 39-08-3902168

Employees do not handle pesticides.

Contact Name	License#	Exp. Date	Phone Number	Contact Type
GOUVAIA, MARK A	3900237-00000	12/31/2009		Pesticide Applicator Certified
GOUVAIA, MARK	3902168			Grower-Permittee

PERMIT PESTICIDES

Number	Pesticide	Pests	Forms	Methods	Applicators
2000	DICAMBA	BROADLEAF WEEDS	All Reg.	Air Ground	PG
2300	DISULFOTON	APHIDS	All Reg.	Air Ground	PG
4780	PHORATE	APHIDS	All Reg.	Air Ground	PG
7860	MCPA, DIMETHYLAMINE	BROADLEAF WEEDS	All Reg.	Air Ground	PG
9801	2,4-D AMINE	BROADLEAF WEEDS	All Reg.	Air Ground	PG
16011	PARAQUAT	WEEDS	All Reg.	Air Ground	PG

PERMIT COMMODITIES

Crop / Site	Location/Site Narrative/Site Conditions	District	Section / Quantity	Town / Units	Range	Meridian
OAT FOR/FOD (22006-0)						
1-2	E/HANSEN,S/I-205	J	23 2.00	02S A	04E	M
	Site Conditions: P Q 2000 (DICAMBA), 2300 (DISULFOTON), 4780 (PHORATE), 7860 (MCPA, DIMETHYLAMINE), 9801 (2,4-D AMINE), 16011 (PARAQUAT),					
3-1	E/HANSEN, N/GRANTLINE	J	14 43.00	02S A	04E	M
	Site Conditions: P Q 2000 (DICAMBA), 2300 (DISULFOTON), 4780 (PHORATE), 7860 (MCPA, DIMETHYLAMINE), 9801 (2,4-D AMINE), 16011 (PARAQUAT),					
SOIL FUM/PREPLT (40008-0)						
1-1	NW CORNER HANSEN & I-205 FROM JAQUES FARMS	J	22 32.00	02S A	04E	M
	Site Conditions: P Q 9801 (2,4-D AMINE), 16011 (PARAQUAT),					
1-2	E/HANSEN,S/I-205	J	23 2.00	02S A	04E	M
	Site Conditions: P Q 9801 (2,4-D AMINE), 16011 (PARAQUAT),					
1-3	SE COR MOUNTAIN HOUSE & VONSOSTE	J	22 8.00	02S A	04E	M
	9801 (2,4-D AMINE), 16011 (PARAQUAT),					

SOIL FUM/PREPLT (40008-0)

2-1	S/GRANTLINE & SW BYRON RD	J	13	02S	04E	M
			15.00	A		

9801 (2,4-D AMINE), 16011 (PARAQUAT),

3-1	E/HANSEN, N/GRANTLINE	J	14	02S	04E	M
			43.00	A		

9801 (2,4-D AMINE), 16011 (PARAQUAT),

UNCUL NON-AG (67000-0)

ALL	SE HANSEN & I-205	J	23	02S	04E	M
			2.00	A		

9801 (2,4-D AMINE), 16011 (PARAQUAT),

WHEAT FOR/FOD (22007-0)

1-1	NW CORNER HANSEN & I-205 FROM JAQUES FARMS	J	22	02S	04E	M
			32.00	A		

Site Conditions: P Q
2000 (DICAMBA), 2300 (DISULFOTON), 4780 (PHORATE), 7860 (MCPA, DIMETHYLAMINE), 9801 (2,4-D AMINE), 16011 (PARAQUAT),

1-3	SE COR MOUNTAIN HOUSE & VONSOSTE	J	22	02S	04E	M
			8.00	A		

Site Conditions: P Q
2000 (DICAMBA), 2300 (DISULFOTON), 4780 (PHORATE), 7860 (MCPA, DIMETHYLAMINE), 9801 (2,4-D AMINE), 16011 (PARAQUAT),

2-1	S/GRANTLINE & SW BYRON RD	J	13	02S	04E	M
			15.00	A		

Site Conditions: P Q
2000 (DICAMBA), 2300 (DISULFOTON), 4780 (PHORATE), 7860 (MCPA, DIMETHYLAMINE), 9801 (2,4-D AMINE), 16011 (PARAQUAT),

Description of Conditions on this Permit:

Condition ID	Description
A	Permit Cond.Table of Contents

A - PERMIT CONDITIONS - TABLE OF CONTENTS

WORKERS SAFETY SERIES ATTACHED

[ ] A-1 through A-11 General Information

PERMIT CONDITONS ATTACHED

[X] P - General
[X] Q - Dicamba & Phenoxy Herbicides - Central Valley/Hazardous Area
[ ] R - Dicamba & Phenoxys - Special Hazardous Area
[ ] S - Metam Sodium & Metam Potassium
[ ] T - Aldicarb (Temik)
[ ] U - Endosulfan (Thiodan)
[ ] V - Rice Pesticides Program
    [ ] - Molinate (Ordram) Worker Safety (A)
    [ ] - Attachments 1-10: Molinate (1, 6), Thiobencarb (2,6,7), Methylparathion (3,9), Seepage Control (5), Propanil (10) and Malathion (voluntary: 4,8).
[ ] W - Methyl Bromide
    [ ] - Soil within greenhouses
    [ ] - Commodity
    [ ] - Soil injection
    [ ] - Tarped potting soil
    [ ] - Single tree site
[ ] X - Furadan chemigation of grapes
[ ] Y - 1, 3 - Dichloropropene
[ ] Z - Other

GROUNDWATER PROTECTION PERMIT CONDITIONS

These conditions apply to pesticides labeled for agricultural, outdoor industrial, or outdoor institutional use that contain chemicals listed in 3CCR section 6800(a): ATRAZINE, SIMAZINE, BROMACIL, DIURON (except products with less than 7% diuron applied to foliage), PROMETON, BENTAZON, AND NORFLURAZON. Ground Water Protection Areas (GWPA), for San Joaquin County, are designated in the Department of Pesticide Regulation document EH03-05. A list of GWPAs may be obtained from the Commissioner's Office or DPR's website (www.cdpr.ca.gov/docs/gwp).

"Engineered rights of way" are defined as areas within a ground water protection area (GWPA) that are constructed in a way that results in increased runoff and collection of storm water, such as railroad ballasts and berms, public roadsides, and highway median strips or similar areas, but not canal or ditch banks or utility lines.

SPECIFIC GROUNDWATER PROTECTION PERMIT CONDITIONS ATTACHED

SPECIFIC GROUNDWATER PROTECTION PERMIT CONDITIONS ATTACHED

GWP-C & D Unlined canal and ditch banks
[ ] 1 - Percolation rate is less than or equal to 0.2 inches per hour
[ ] 2 - Applied six months prior to water run
[ ] 3 - All applications are prohibited below high water line

GWP-ROW Engineered rights-of-way within San Joaquin County GWPAs
[ ] 1A - Soil disturbance within 7 days
[ ] 1B - Incorporation
[ ] 1C - Applied between April 1 and July 31
[ ] 2 - Runoff passes through adjacent fully vegetated noncrop area
[ ] 3 - Compliance with NPDES permit

GWP-R Runoff GWPAs within San Joaquin County
[ ] 1 - Soil disturbance
[ ] 2 - Incorporated
[ ] 3 - Band treatment
[ ] 4 - Applied between April 1 and July 31
[ ] 5 - Runoff water held onsite
[ ] 6 - Runoff water stored offsite
[ ] 7 - Runoff to adjacent fallow field

GWP-L Leaching GWPAs within San Joaquin County
[ ] 1 - No irrigation
[ ] 2 - Bed or berm application
[ ] 3 - Managed irrigation

GWP-Director Director Approved Alternative Management Practices or Interim Use
[ ] 1 - Director approved alternative
[ ] 2 - Director approved interim use

Revised 10/04

P General

CONDITION - P - General

In addition to all applicable laws, regulations, label restrictions and other more restrictive conditions of this permit, THE FOLLOWING CONDITIONS APPLY TO APPLICATIONS COVERED BY THIS PERMIT.

1. Maximum wind velocities for applications of Restricted Materials unless otherwise covered by the label, law, regulation, other permit conditions or environmental conditions at the application site are:

   a. Spray - 12 m.p.h.
   b. Dust - 8 m.p.h.
   c. Pellets, granular or baits - 16 m.p.h.

2. No pesticide application shall be made or continued when there is the likelihood of contaminating any persons, non-target crops, animals or other public or private property.

3. Unless specifically named as a dust on this permit, NO DUST FORMULATIONS are allowed.

4. Apply pesticides covered by SLN(s) and Section 18(s) in conformance with the SLN(s) and Section 18(s).

5. A flagger is required at the application site for all AIR applications of Zinc Phosphide bait.

Revised 10/90

Q Dicamba & Phenoxy Herbicide CV

CONDITION - Q - DICAMBA AND PHENOXY HERBICIDES - CENTRAL VALLEY/HAZARDOUS AREA

In addition to all applicable laws, regulations and label restrictions, the CONDITIONS CHECKED BELOW APPLY to applications covered by this permit.

[X] 1. No ester formulation applications allowed.

[ ] 2. A smoke column is required at the application site for all Phenoxy and Dicamba applications by aircraft beginning March 16 and continuing through October 15.

[X] 3. Do not discharge material more than 10 feet above the crop or target.

[ ] 4. A drift reducing agent shall be added to the spray mixture at label rates.

[X] 5. Maximum wind velocity for Phenoxy herbicides - 10 m.p.h.

[X] 6. Maximum wind velocity for Dicamba - 10 m.p.h. EXCEPT when wind is moving in direction of sensitive crops, the maximum wind velocity - 5 m.p.h.

[ ] 7. No Dicamba application allowed in the vicinity of sensitive crops when the maximum temperature on the day of application is predicted to exceed 85 degrees fahrenheit. Predicted temperature for the following day will be determined by the 3:30 p.m. prediction by the National Weather Station - Stockton Airport.

[ ] 8. Dicamba applications by aircraft are restricted to a minimum distance of two (2) miles from the following susceptible crops: beans, grapes, sunflower, tomato, safflower, curcurbits, potatoes.

[ ] 9. Dicamba applications by ground are restricted to a minimm distance of 20 feet from the following susceptible crops: beans, safflower, tomato, curcurbits, potatoes and 1/4 mile from grapes and sunflowers.

[ ] 10. No Dicamba or Phenoxy herbicide applications allowed beginning March 16 and continuing through October 15, and until grape leaves in the vicinity of the treated area are "browned off".

Revised 10/90

Description of Custom Site Conditions

Condition ID	Long Description

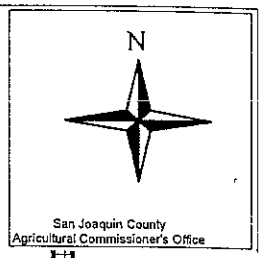
*** LAST PAGE ***

District J

Permit # 3902168

Permittee Gouvaia, Mark

Map # 1



MOUNTAIN HOUSE

VONSOSTEN

HANSEN

TARGOWSK

LA CASA

LOS POSITAS

LOS RANCHOS

LOS PADRES

WAKEFIELD

1-3
Wheat
8 ac

02S04E
22

1-1
Wheat
32 ac

205

1-2
Oat
2 ac

MOUNTAIN HOUSE

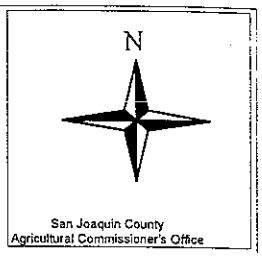
HANSEN

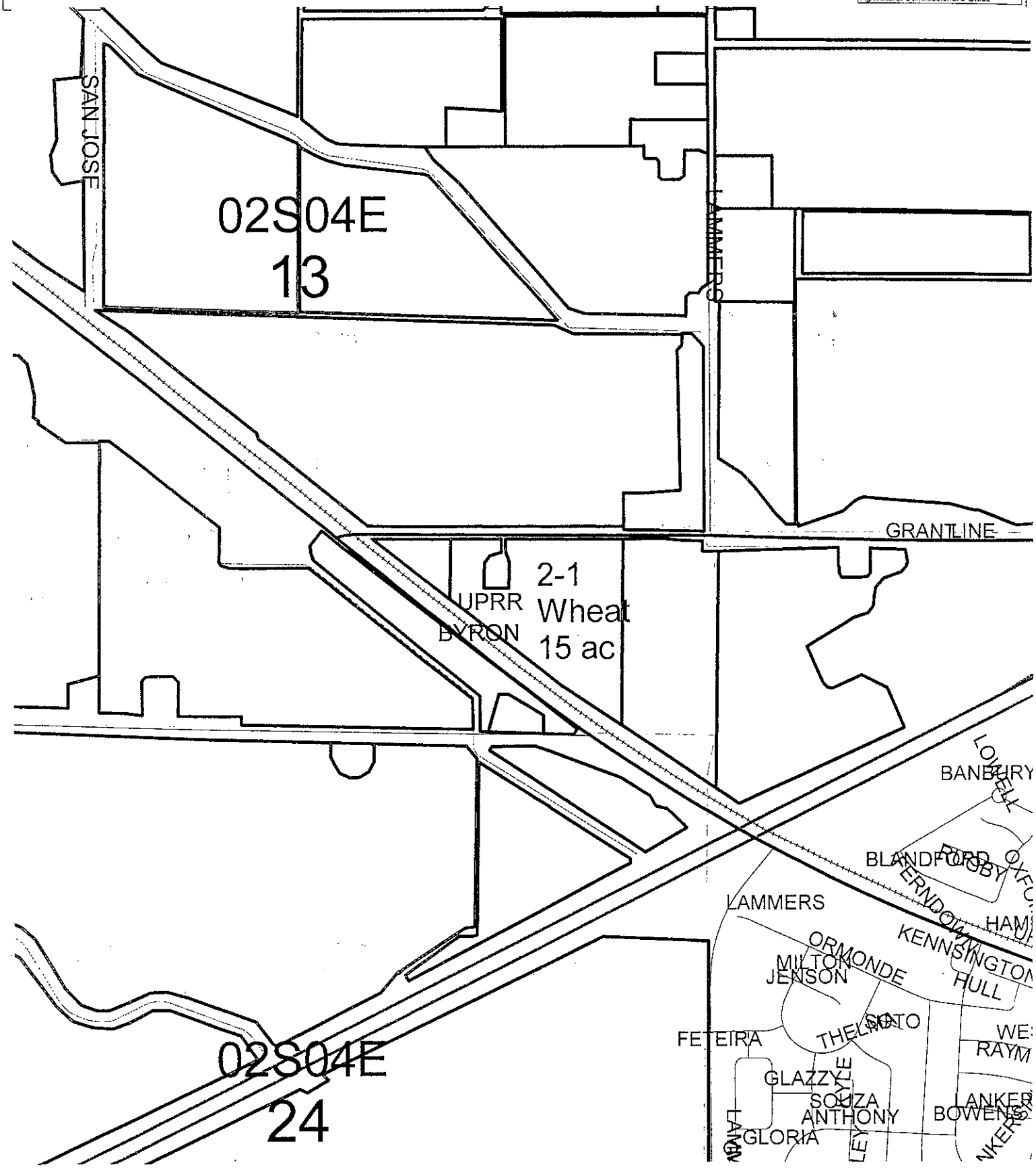
District J

Permit # 3902168

Permittee Gouvaia, Mark

Map # 2





District J

San Joaquin County
Agricultural Commissioner's Office

Permittee

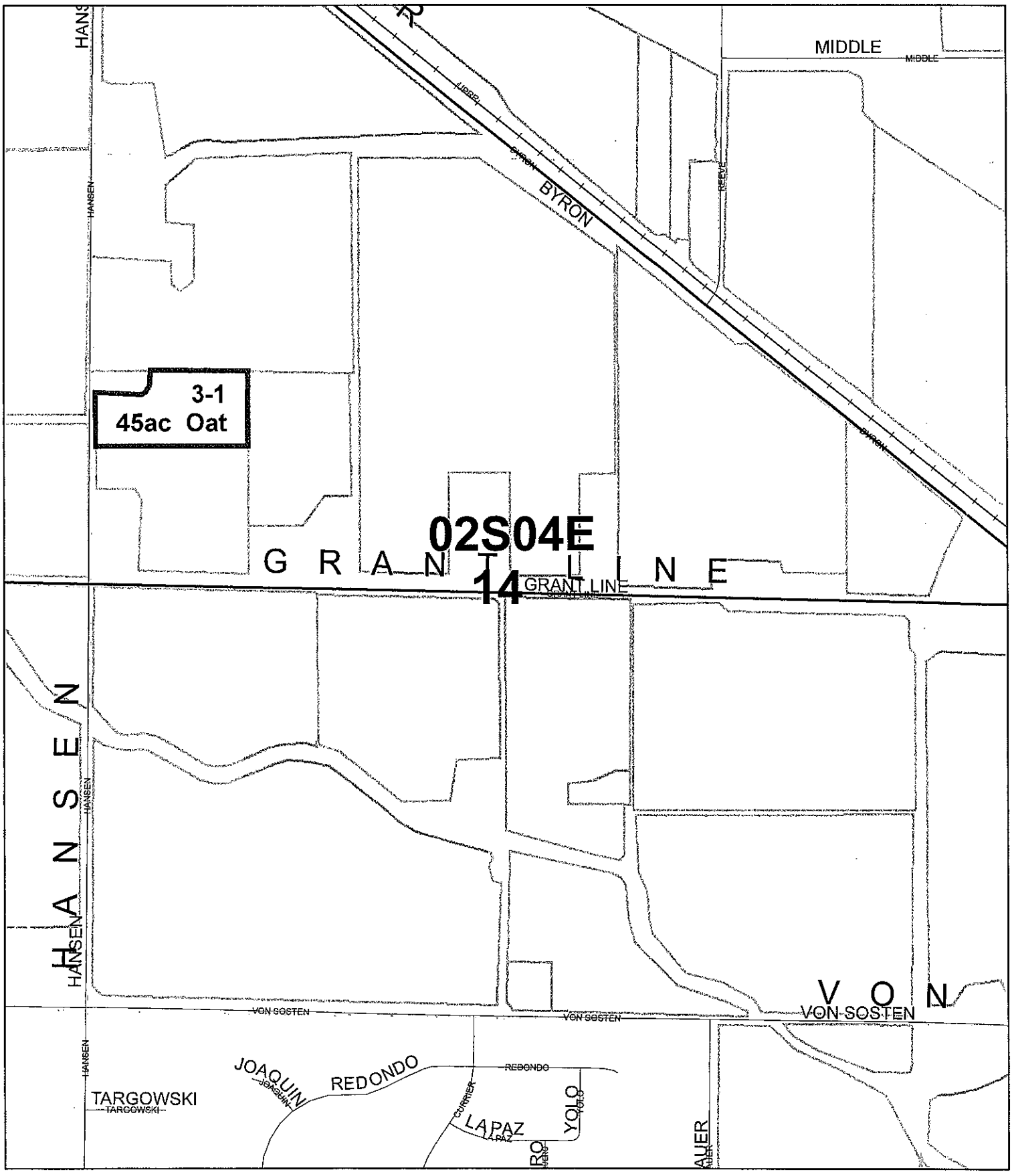
3902168

Gouvaia, Mark

MAP #

3

N



SAN JOAQUIN COUNTY AGRICULTURAL COMMISSIONERS OFFICE
2101 E EARHART AVE, SUITE 100
STOCKTON, CA 95206
Office: (209) 953-6000 Fax: (209) 953-6022
Email: stocktonag2@sjgov.org Web: www.co.san-joaquin.ca.us/agcomm

RESTRICTED MATERIALS PERMIT: 39-13-3902046 ORIGINAL

Operator: HOLDENER RANCHES
14400 WING LEVEE RD
STOCKTON, CA 95206-969

Agent: HOLDENER,ROBERT C

3902046-2013-Version: 1
County District #: I
Issued on: 12-28-12 DC
Valid as of: 1/1/2013
Expires on: 12/31/2013

Primary Phone:
Alternate Phone:
Mobile Phone:
Fax:

Type of Use: Agricultural Use
Pesticide Possession: Possession and Use
Permit Duration: Seasonal
Employees Handle Pesticides
Permit Conditions: A, P, Q, O, B

Notices Of Intent required 24 hours prior to application of pesticide containing restricted materials

See condition detail for code descriptions.

Regulatory Notes:
PQZ PA-3998953

I understand that this permit does not relieve me from liability for any damages to any persons or property caused by the use of these pesticides. I waive any claims of liability for damages against the County Department of Agriculture based on the issuance of this permit. I further understand that this permit may be revoked when pesticides are used in conflict with the manufacturer's labeling or in violation of applicable laws, regulations, and specific conditions of this permit. I authorize inspection at all reasonable times and whenever an emergency exists by the Department of Pesticide Regulation or the County Department of Agriculture of all areas treated or to be treated, storage facilities for pesticides or emptied containers and equipment used or to be used in the treatment. I have considered alternative and mitigation measures pursuant to Title 3, California Code of Regulations, section 6426. Taking into account economic, environmental, social, and technological factors, I have adopted those that are feasible and would substantially lessen any significant adverse impact on the environment.

[Form PR-ENF-125 (Rev 11/06) Pesticide Enforcement Branch]

Applicant: ROBERT C HOLDENER OWNER
(Name & Title)

Applicant Signature: _____ Date: 12/28/12

Issuing Officer: _____ Date: 1/1/2013

CONTACT LIST

Name	Auth Rep.	Phone	License	Expiration	Contact Type
STANISLAUS FARM SUPPLY			31497	12/31/2013	Pest Control Business
HOLDENER,ROBERT C			3998953	12/31/2012	Private Applicator Certificate

PESTICIDES LIST

Number	Pesticide	Pests	Forms	Methods	Applicators
1050	CARBARYL	LARVAE	All Reg.	Air/Ground	PCB/Operator
2000	DICAMBA	WEEDS	Liquid	Air/Ground	PCB/Operator
3830	METHOMYL	LARVAE	Liquid	Air/Ground	PCB/Operator
3940	METHYL PARATHION	LARVAE	All Reg.	Air/Ground	PCB/Operator
4840	ALUMINUM PHOSPHIDE	RODENTS	Fumigant	Other	PCB/Operator
5540	STRYCHNINE	GOPHERS	Bait	Air/Ground	PCB/Operator
6260	ZINC PHOSPHIDE	RODENTS	Bait	Other	PCB/Operator
7860	MCPA, DIMETHYLAMINE	WEEDS	Liquid	Air/Ground	PCB/Operator
8041	2,4-DB	WEEDS	Liquid	Air/Ground	PCB/Operator
9801	2,4-D AMINE	WEEDS	Liquid	Air/Ground	PCB/Operator
16011	PARAQUAT	WEEDS	Liquid	Air/Ground	PCB/Operator
16890	METHIDATHION	LARVAE	Liquid	Air/Ground	PCB/Operator

SITES LIST

Site	Location | Site Name Commodity Name/Code	Quantity	District	Section (MTRS)
3-5	MAP 3 FIELD 7		I	M01S05E14
	ALFALFA / 23001-0	74 ACRES		
Pesticide #s:	3830 (METHOMYL), 3940 (METHYL PARATHION), 5540 (STRYCHNINE), 8041 (2,4-DB), 16011 (PARAQUAT), 16890 (METHIDATHION)			
	SOIL FUM/PREPLT / 40008-0	74 ACRES		
Pesticide #s:	4840 (ALUMINUM PHOSPHIDE), 5540 (STRYCHNINE), 6260 (ZINC PHOSPHIDE), 9801 (2,4-D AMINE), 16011 (PARAQUAT)			
Conditions:	B - RM Use Near Schools, O - Aluminum & Magnesium Phosphide, P - General, Q - Dicamba & Phenoxy Herbicide CV			
3-8	NW CORNER UNDINE AT WING LEVEE RD		I	M01S05E14
	ALFALFA / 23001-0	78.9 ACRES		
Pesticide #s:	3830 (METHOMYL), 3940 (METHYL PARATHION), 5540 (STRYCHNINE), 8041 (2,4-DB), 16011 (PARAQUAT), 16890 (METHIDATHION)			
	SOIL FUM/PREPLT / 40008-0	78.9 ACRES		
Pesticide #s:	9801 (2,4-D AMINE), 16011 (PARAQUAT)			
Conditions:	B - RM Use Near Schools, P - General, Q - Dicamba & Phenoxy Herbicide CV			

3-7	NE CORNER UNDINE AT WING LEVEE RD	I	M01S05E23
	ALFALFA / 23001-0 43.3 ACRES		
Pesticide #s:	3830 (METHOMYL), 3940 (METHYL PARATHION), 5540 (STRYCHNINE), 8041 (2,4-DB), 16011 (PARAQUAT), 16890 (METHIDATHION)		
	SOIL FUM/PREPLT / 40008-0 43.4 ACRES		
Pesticide #s:	9801 (2,4-D AMINE), 16011 (PARAQUAT)		
Conditions:	B - RM Use Near Schools, P - General, Q - Dicamba & Phenoxy Herbicide CV		

3-10	BTWN WING LEVEE & MIDDLE RIVER	I	M01S05E23
	FORAGE HAY/SLGE / 22000-0 17 ACRES		
Pesticide #s:	2000 (DICAMBA), 3830 (METHOMYL), 7860 (MCPA, DIMETHYLAMINE), 9801 (2,4-D AMINE), 16011 (PARAQUAT)		
	SOIL FUM/PREPLT / 40008-0 17 ACRES		
Pesticide #s:	4840 (ALUMINUM PHOSPHIDE), 5540 (STRYCHNINE), 6260 (ZINC PHOSPHIDE), 9801 (2,4-D AMINE), 16011 (PARAQUAT)		
Conditions:	B - RM Use Near Schools, O - Aluminum & Magnesium Phosphide, P - General, Q - Dicamba & Phenoxy Herbicide CV		

3-11	MAP3 SITE 11 BTWN WING LEVEE & MIDDLE RIVER	I	M01S05E26
	FORAGE HAY/SLGE / 22000-0 95 ACRES		
Pesticide #s:	2000 (DICAMBA), 3830 (METHOMYL), 7860 (MCPA, DIMETHYLAMINE), 9801 (2,4-D AMINE), 16011 (PARAQUAT)		
	SOIL FUM/PREPLT / 40008-0 95 ACRES		
Pesticide #s:	4840 (ALUMINUM PHOSPHIDE), 5540 (STRYCHNINE), 6260 (ZINC PHOSPHIDE), 9801 (2,4-D AMINE), 16011 (PARAQUAT)		
Conditions:	B - RM Use Near Schools, O - Aluminum & Magnesium Phosphide, P - General, Q - Dicamba & Phenoxy Herbicide CV		

4-1	SW I-205 & PATTERSON PASS	A	M02S04E21
	OAT FOR/FOD / 22006-0 168 ACRES		
Pesticide #s:	1050 (CARBARYL), 2000 (DICAMBA), 3830 (METHOMYL), 7860 (MCPA, DIMETHYLAMINE), 9801 (2,4-D AMINE), 16011 (PARAQUAT)		
	SOIL FUM/PREPLT / 40008-0 168 ACRES		
Pesticide #s:	4840 (ALUMINUM PHOSPHIDE), 5540 (STRYCHNINE), 6260 (ZINC PHOSPHIDE), 9801 (2,4-D AMINE), 16011 (PARAQUAT)		
Conditions:	B - RM Use Near Schools, O - Aluminum & Magnesium Phosphide, P - General, Q - Dicamba & Phenoxy Herbicide CV		

4-1A	S/I-205, W/MOUNTAINHOUSE PKWY	A	M02S04E21
	PASTURELAND / 28035-0 30 ACRES		
Pesticide #s:	9801 (2,4-D AMINE), 16011 (PARAQUAT)		
Conditions:	P - General, Q - Dicamba & Phenoxy Herbicide CV		

ALL	SW I-205 & PATTERSON PASS	I	M02S04E21
	UNCUL NON-AG / 67000-0 67 ACRES		
Pesticide #s:	4840 (ALUMINUM PHOSPHIDE), 6260 (ZINC PHOSPHIDE), 9801 (2,4-D AMINE), 16011 (PARAQUAT)		
Conditions:	B - RM Use Near Schools, O - Aluminum & Magnesium Phosphide, P - General, Q - Dicamba & Phenoxy Herbicide CV		

OPERATION-WIDE CONDITIONS

A **Permit Cond.Table of Contents**

A - PERMIT CONDITIONS - TABLE OF CONTENTS

WORKERS SAFETY SERIES ATTACHED

[ ] A-1 through A-11 General Information

PERMIT CONDITONS ATTACHED
[X] B- RM Use Near Schools
[ ] O- Aluminum Phosphide in Rodent Burrows
[X] P - General
[ ] Q - Dicamba & Phenoxy Herbicides - Central Valley/Hazardous Area
[ ] R - Dicamba & Phenoxys - Special Hazardous Area
[ ] S - Metam Sodium, Metam Potassium, Dazomet
[ ] T - Aldicarb (Temik)
[ ] U - Endosulfan (Thiodan)
[ ] V - Rice Pesticides Program
    [ ] - Attachments 1-5 Thiobencarb (Forms A,B)
[ ] W - Methyl Bromide / Sulfuryl Fluoride
    [ ] - Soil within greenhouses
    [ ] - Commodity
    [ ] - Soil injection
    [ ] - Tarped potting soil
    [ ] - Single tree site
[ ] X - Furadan chemigation of grapes
[ ] Y - 1, 3 - Dichloropropene
[ ] Z - Other

GROUNDWATER PROTECTION PERMIT CONDITIONS

These conditions apply to pesticides labeled for agricultural, outdoor industrial, or outdoor institutional use that contain chemicals listed in 3CCR section 6800(a): ATRAZINE, SIMAZINE, BROMACIL, DIURON (except products with less than 7% diuron applied to foliage), PROMETON, BENTAZON, AND NORFLURAZON. Ground Water Protection Areas (GWPA), for San Joaquin County, are designated in the Department of Pesticide Regulation document EH03-05. A list of GWPAs may be obtained from the Commissioner's Office or DPR's website (www.cdpr.ca.gov/docs/gwp).

"Engineered rights of way" are defined as areas within a ground water protection area (GWPA) that are constructed in a way that results in increased runoff and collection of storm water, such as railroad ballasts and berms, public roadsides, and highway median strips or similar areas, but not canal or ditch banks or utility lines.

SPECIFIC GROUNDWATER PROTECTION PERMIT CONDITIONS ATTACHED

GWP-C & D Unlined canal and ditch banks
[ ] 1 - Percolation rate is less than or equal to 0.2 inches per hour
[ ] 2 - Applied six months prior to water run
[ ] 3 - All applications are prohibited below high water line

GWP-ROW Engineered rights-of-way within San Joaquin County GWPAs
[ ] 1A - Soil disturbance within 7 days
[ ] 1B - Incorporation
[ ] 1C - Applied between April 1 and July 31
[ ] 2 - Runoff passes through adjacent fully vegetated noncrop area
[ ] 3 - Compliance with NPDES permit
[ ] 4 - Runoff through adjacent area as overland flow

GWP-R Runoff GWPAs within San Joaquin County
[ ] 1 - Soil disturbance
[ ] 2 - Incorporated

[ ] 3 - Band treatment
[ ] 4 - Applied between April 1 and July 31
[ ] 5 - Runoff water held onsite
[ ] 6 - Runoff water stored offsite
[ ] 7 - Runoff to adjacent fallow field

GWP-L Leaching GWPAs within San Joaquin County
[ ] 1 - No irrigation
[ ] 2 - Bed or berm application
[ ] 3 - Managed irrigation

GWP-Director Director Approved Alternative Management Practices or Interim Use
[ ] 1 - Director approved alternative
[ ] 2 - Director approved interim use

Revised 11/11

P General

CONDITION - P - General

In addition to all applicable laws, regulations, label restrictions and other more restrictive conditions of this permit, THE FOLLOWING CONDITIONS APPLY TO APPLICATIONS COVERED BY THIS PERMIT.

1. Maximum wind velocities for applications of Restricted Materials unless otherwise covered by the label, law, regulation, other permit conditions or environmental conditions at the application site are:

a. Spray - 12 m.p.h.
b. Dust - 8 m.p.h.
c. Pellets, granular or baits - 16 m.p.h.

2. No pesticide application shall be made or continued when there is the likelihood of contaminating any persons, non-target crops, animals or other public or private property.

3. Unless specifically named as a dust on this permit, NO DUST FORMULATIONS are allowed.

4. Apply pesticides covered by SLN(s) and Section 18(s) in conformance with the SLN(s) and Section 18(s).

5. A flagger is required at the application site for all AIR applications of Zinc Phosphide bait.

Revised 10/90

Q Dicamba & Phenoxy Herbicide CV

CONDITION - Q - DICAMBA AND PHENOXY HERBICIDES - CENTRAL VALLEY/HAZARDOUS AREA

In addition to all applicable laws, regulations and label restrictions, the CONDITIONS CHECKED BELOW APPLY to applications covered by this permit.

[X] 1. No ester formulation applications allowed.

[ ] 2. A smoke column is required at the application site for all Phenoxy and Dicamba applications by aircraft beginning March 16 and continuing through October 15.

[X] 3. Do not discharge material more than 10 feet above the crop or target.

[ ] 4. A drift reducing agent shall be added to the spray mixture at label rates.

[X] 5. Maximum wind velocity for Phenoxy herbicides - 10 m.p.h.

[X] 6. Maximum wind velocity for Dicamba - 10 m.p.h. EXCEPT when wind is moving in direction of sensitive crops, the maximum wind velocity - 5 m.p.h.

[ ] 7. No Dicamba application allowed in the vicinity of sensitive crops when the maximum temperature on the day of application is predicted to exceed 85 degrees
fahrenheit. Predicted temperature for the following day will be determined by the NOAA - National Weather Service.

[ ] 8. Dicamba applications by aircraft are restricted to a minimum distance of 2 miles from the following susceptible crops: beans, grapes, sunflower, tomato,
safflower, curcurbits, potatoes.

[ ] 9. Dicamba applications by ground are restricted to a minimum distance of 20 feet from the following susceptible crops: beans, safflower, tomato, curcurbits,
potatoes and 1/4 mile from grapes and sunflowers.

[X] 10. No Dicamba or Phenoxy herbicide applications allowed beginning March 16 and continuing through October 15, and until grape leaves in the vicinity of the treated area are "browned off".

Revised 10/90

O Aluminum & Magnesium Phosphide

Use in Rodent Burrow Fumigations

These use conditions are based on a determination by the California Department of Pesticide Regulation that exposure to phosphine fumigants is a risk to public safety.

1. Use is strictly prohibited around all residential areas, including single and multi-family residential properties, nursing homes, schools (except athletic fields where use may continue), day care facilities, and hospitals.
2. The products must only be used outdoors for control of burrowing pests, and are for use only on agricultural areas, orchards, non-crop areas (such as pasture and rangeland), golf courses, athletic fields, parks and recreational areas, cemeteries, airports, rights-of-way, earthen dams, and other non-residential institutional or industrial sites.
3. Products must not be applied in a burrow system that is within 100 feet of a building that is or may be occupied by people or domestic animals. This buffer zone for treatment around non-residential buildings that could be occupied by people or animals has been increased from 15 feet to 100 feet.
4. When this product is used in athletic fields or parks, the applicator must post a sign at entrances to the treated site containing the signal word DANGER/PELIGRO, skull and crossbones, the words: DO NOT ENTER/NO ENTRE, FIELD NOT FOR USE, the name and EPA registration number of the fumigant, and a 24-hour emergency response number. Signs may be removed 2 days after the final treatment.
5. When this product is used out-of-doors in a site frequented by people, other than an athletic field or park, the applicator shall post a sign at the application site containing the signal word DANGER/PELIGRO, skull and crossbones, the name and EPA registration number of the fumigant, and a 24-hour emergency response number. Signs may be removed 2 days after the final treatment.
6. Fumigant Management Plans must be written before all applications of phosphine products, including all burrowing pest fumigations. A Fumigant Management Plan is a written description of the steps designed to plan for a safe, legal and effective fumigation. The certified applicator and owner of the property to be fumigated must characterize the area to be treated and include all safety requirements in the plan before application.

B RM Use Near Schools

RESTRICTED MATERIALS USE NEAR SCHOOLS

No applications of Restricted Materials shall be made by air or ground within 660 feet of a school in session or when a school sponsored event is in progress. If the pesticide label or regulation requires a larger buffer area, the larger buffer shall apply. There will be no waiver of the required 24 hour Notice of Intent.

These conditions do not apply to the following ground applications:
1.Vertebrate pest control
2.Back-pack applications
3.Equipment where all nozzles are pointing down AND wind direction is periodically measured as moving away from the school site

4.Other CAC approved methods

NOTE: The uses of soil fumigants and their corresponding buffer zones are covered by DPR suggested permit conditions or by label.

SITE CONDITIONS

B **RM Use Near Schools**

RESTRICTED MATERIALS USE NEAR SCHOOLS

No applications of Restricted Materials shall be made by air or ground within 660 feet of a school in session or when a school sponsored event is in progress. If the pesticide label or regulation requires a larger buffer area, the larger buffer shall apply. There will be no waiver of the required 24 hour Notice of Intent.

These conditions do not apply to the following ground applications:
1.Vertebrate pest control
2.Back-pack applications
3.Equipment where all nozzles are pointing down AND wind direction is periodically measured as moving away from the school site
4.Other CAC approved methods

NOTE: The uses of soil fumigants and their corresponding buffer zones are covered by DPR suggested permit conditions or by label.

O **Aluminum & Magnesium Phosphide**

Use in Rodent Burrow Fumigations

These use conditions are based on a determination by the California Department of Pesticide Regulation that exposure to phosphine fumigants is a risk to public safety.

1. Use is strictly prohibited around all residential areas, including single and multi-family residential properties, nursing homes, schools (except athletic fields where use may continue), day care facilities, and hospitals.
2. The products must only be used outdoors for control of burrowing pests, and are for use only on agricultural areas, orchards, non-crop areas (such as pasture and rangeland), golf courses, athletic fields, parks and recreational areas, cemeteries, airports, rights-of-way, earthen dams, and other non-residential institutional or industrial sites.
3. Products must not be applied in a burrow system that is within 100 feet of a building that is or may be occupied by people or domestic animals. This buffer zone for treatment around non-residential buildings that could be occupied by people or animals has been increased from 15 feet to 100 feet.
4. When this product is used in athletic fields or parks, the applicator must post a sign at entrances to the treated site containing the signal word DANGER/PELIGRO, skull and crossbones, the words: DO NOT ENTER/NO ENTRE, FIELD NOT FOR USE, the name and EPA registration number of the fumigant, and a 24-hour emergency response number. Signs may be removed 2 days after the final treatment.
5. When this product is used out-of-doors in a site frequented by people, other than an athletic field or park, the applicator shall post a sign at the application site containing the signal word DANGER/PELIGRO, skull and crossbones, the name and EPA registration number of the fumigant, and a 24-hour emergency response number. Signs may be removed 2 days after the final treatment.
6. Fumigant Management Plans must be written before all applications of phosphine products, including all burrowing pest fumigations. A Fumigant Management Plan is a written description of the steps designed to plan for a safe, legal and effective fumigation. The certified applicator and owner of the property to be fumigated must characterize the area to be treated and include all safety requirements in the plan before application.

P **General**

CONDITION - P - General

In addition to all applicable laws, regulations, label restrictions and other more restrictive conditions of this permit, THE FOLLOWING CONDITIONS APPLY TO APPLICATIONS COVERED BY THIS PERMIT.

1. Maximum wind velocities for applications of Restricted Materials unless otherwise covered by the label, law, regulation, other permit conditions or environmental conditions at the application site are:

a. Spray - 12 m.p.h.
b. Dust - 8 m.p.h.
c. Pellets, granular or baits - 16 m.p.h.

2. No pesticide application shall be made or continued when there is the likelihood of contaminating any persons, non-target crops, animals or other public or private property.

3. Unless specifically named as a dust on this permit, NO DUST FORMULATIONS are allowed.

4. Apply pesticides covered by SLN(s) and Section 18(s) in conformance with the SLN(s) and Section 18(s).

5. A flagger is required at the application site for all AIR applications of Zinc Phosphide bait.

Revised 10/90

Q **Dicamba & Phenoxy Herbicide CV**

CONDITION - Q - DICAMBA AND PHENOXY HERBICIDES - CENTRAL VALLEY/HAZARDOUS AREA

In addition to all applicable laws, regulations and label restrictions, the CONDITIONS CHECKED BELOW APPLY to applications covered by this permit.

[X] 1. No ester formulation applications allowed.

[ ] 2. A smoke column is required at the application site for all Phenoxy and Dicamba applications by aircraft beginning March 16 and continuing through October 15.

[X] 3. Do not discharge material more than 10 feet above the crop or target.

[ ] 4. A drift reducing agent shall be added to the spray mixture at label rates.

[X] 5. Maximum wind velocity for Phenoxy herbicides - 10 m.p.h.

[X] 6. Maximum wind velocity for Dicamba - 10 m.p.h. EXCEPT when wind is moving in direction of sensitive crops, the maximum wind velocity - 5 m.p.h.

[ ] 7. No Dicamba application allowed in the vicinity of sensitive crops when the maximum temperature on the day of application is predicted to exceed 85 degrees fahrenheit. Predicted temperature for the following day will be determined by the NOAA - National Weather Service.

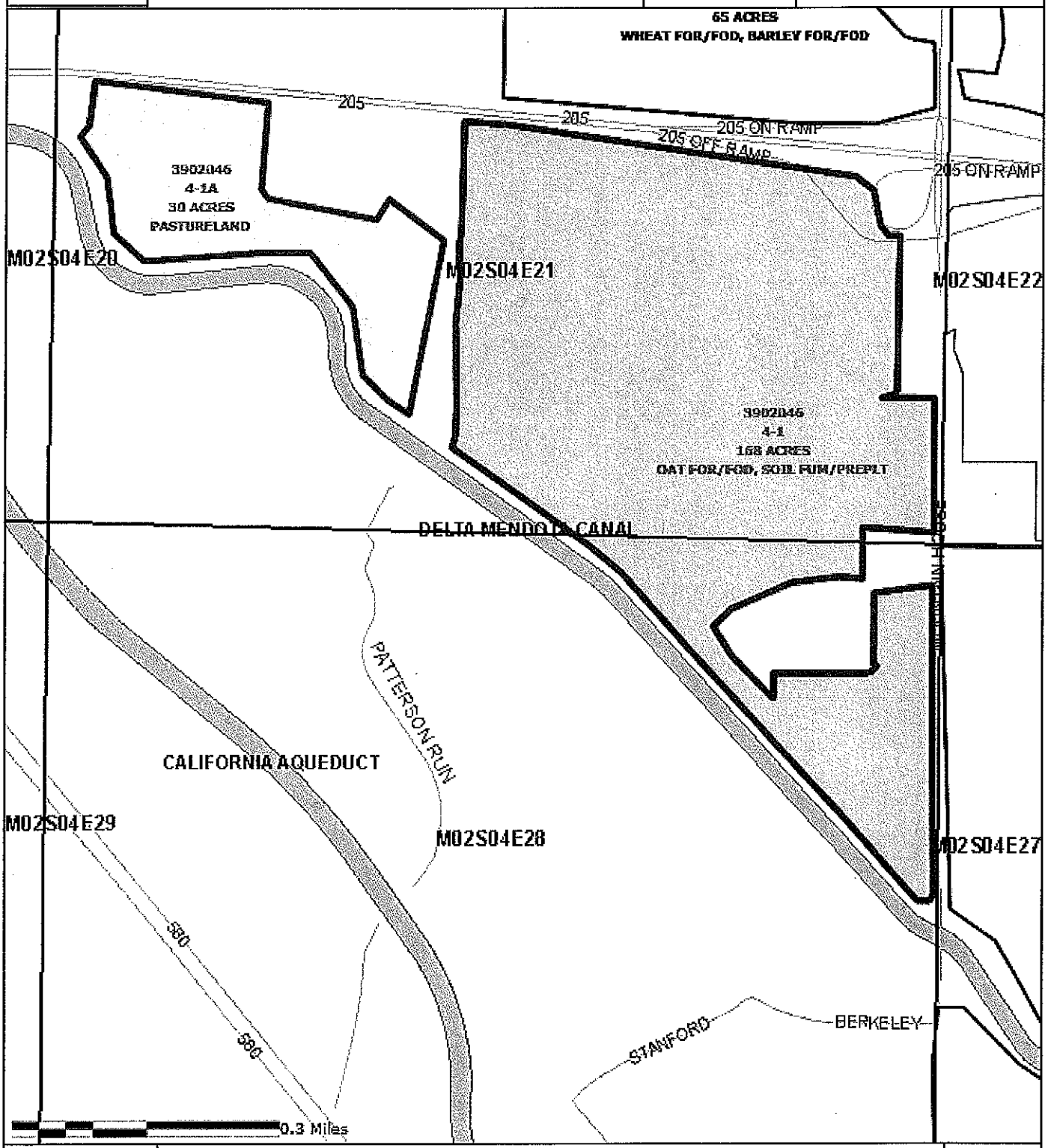
[ ] 8. Dicamba applications by aircraft are restricted to a minimum distance of 2 miles from the following susceptible crops: beans, grapes, sunflower, tomato, safflower, curcurbits, potatoes.

[ ] 9. Dicamba applications by ground are restricted to a minimum distance of 20 feet from the following susceptible crops: beans, safflower, tomato, curcurbits, potatoes and 1/4 mile from grapes and sunflowers.

[X] 10. No Dicamba or Phenoxy herbicide applications allowed beginning March 16 and continuing through October 15, and until grape leaves in the vicinity of the treated area are "browned off".

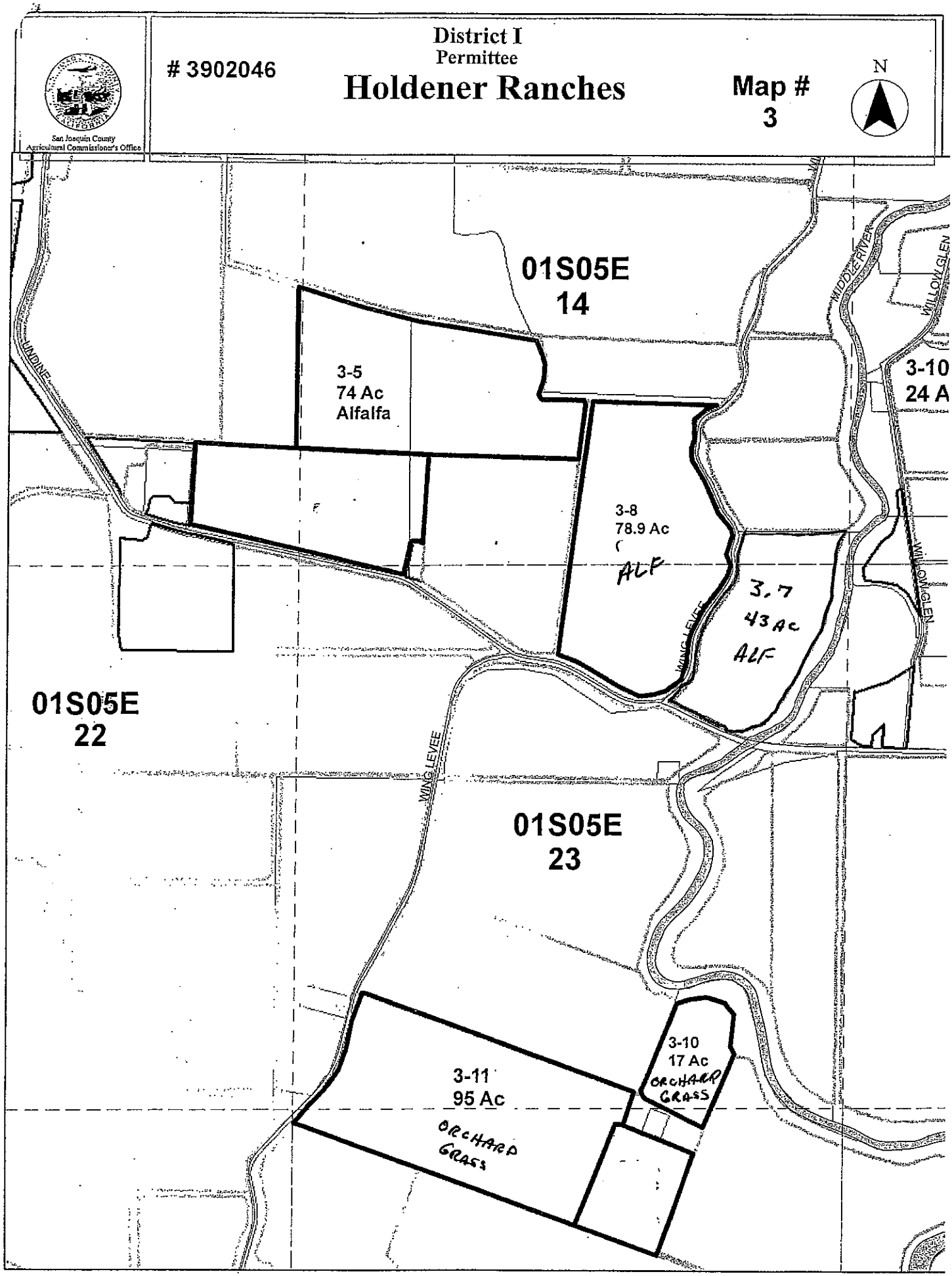
Revised 10/90

San Joaquin County	Permit Number:	3902046
MAP 4	Created On:	12/20/2012
S OF 205 W OF MOUNTAIN HOUSE N OF DELTA MENDOTA CANAL SITES 4-1, 4-1A	Operator:	HOLDENER RANCHES



Included Sites:	4-1, 4-1A

N
W E
S


San Joaquin County
Agricultural Commissioner's Office
3902046
District I
Permittee
Holdener Ranches
Map #
3
N
01S05E
14
3-5
74 Ac
Alfalfa
3-8
78.9 Ac
ALF
3-7
43 Ac
ALF
3-10
24 A
01S05E
22
01S05E
23
3-11
95 Ac
ORCHARD GRASS
3-10
17 Ac
ORCHARD GRASS
WING LEVEE
MIDDLE RIVER
WILLOW GLEN

2012

SAN JOAQUIN COUNTY AGRICULTURAL COMMISSIONERS OFFICE
2101 E EARHART AVE, SUITE 100
STOCKTON, CA 95206
Office: (209) 953-6000 Fax: (209) 953-6022
Email: stocktonag2@sjgov.org Web: www.co.san-joaquin.ca.us/agcomm

ORIGINAL

RESTRICTED MATERIALS PERMIT: 39-12-3902046

Operator: HOLDENER RANCHES
14400 WING LEVEE RD
STOCKTON, CA 95206-969

Attention: HOLDENER,ROBERT C

3902046-2012-Version: 1
County District #: I
Issued on: 2/7/2012
Valid as of: 2/7/2012
Expires on: 12/31/2012

Home Phone:
Office Phone:
Mobile Phone:
Fax:

Type of Use: Agricultural Use
Pesticide Possession: Possession and Use
Permit Duration: Seasonal
Employees Handle Pesticides
Conditions: A, P, Q, O

Notices Of Intent required 24 hours prior to application of pesticide containing restricted materials

See condition detail for code descriptions.

Regulatory Notes:
PQZ PA-3998953

I understand that this permit does not relieve me from liability for any damages to any persons or property caused by the use of these pesticides. I waive any claims of liability for damages against the County Department of Agriculture based on the issuance of this permit. I further understand that this permit may be revoked when pesticides are used in conflict with the manufacturer's labeling or in violation of applicable laws, regulations, and specific conditions of this permit. I authorize inspection at all reasonable times and whenever an emergency exists by the Department of Pesticide Regulation or the County Department of Agriculture of all areas treated or to be treated, storage facilities for pesticides or emptied containers and equipment used or to be used in the treatment. I have considered alternative and mitigation measures pursuant to Title 3, California Code of Regulations, section 6426. Taking into account economic, environmental, social, and technological factors, I have adopted those that are feasible and would substantially lessen any significant adverse impact on the environment.

[Form PR-ENF-125 (Rev 11/06) Pesticide Enforcement Branch]

Applicant: ROBERT C HOLDENER OWNER
(Name & Title)

Applicant Signature: _____ Date: 2-7-2012

Issuing Officer: _____ Date: 2/16/2012

CONTACT LIST

Name	Auth Rep.	Phone	License	Expiration	Contact Type
STANISLAUS FARM SUPPLY			1497	12/31/2013	Pest Control Business
HOLDENER,ROBERT C			3998953	12/31/2012	Private Applicator Certificate

PESTICIDES LIST

Number	Pesticide	Pests	Forms	Methods	Applicators
1050	CARBARYL	LARVAE	All Reg.	Air/Ground	PCB/Operator
2000	DICAMBA	WEEDS	Liquid	Air/Ground	PCB/Operator
2300	DISULFOTON	APHIDS	All Reg.	Air/Ground	PCB/Operator
3830	METHOMYL	LARVAE	Liquid	Air/Ground	PCB/Operator
3940	METHYL PARATHION	LARVAE	All Reg.	Air/Ground	PCB/Operator
4780	PHORATE	APHIDS	All Reg.	Air/Ground	PCB/Operator
4840	ALUMINUM PHOSPHIDE	RODENTS	Fumigant	Other	PCB/Operator
5540	STRYCHNINE	GOPHERS	Bait	Air/Ground	PCB/Operator
6260	ZINC PHOSPHIDE	RODENTS	Bait	Other	PCB/Operator
7860	MCPA, DIMETHYLAMINE	WEEDS	Liquid	Air/Ground	PCB/Operator
8041	2,4-DB	WEEDS	Liquid	Air/Ground	PCB/Operator
9801	2,4-D AMINE	WEEDS	Liquid	Air/Ground	PCB/Operator
16011	PARAQUAT	WEEDS	Liquid	Air/Ground	PCB/Operator
16890	METHIDATHION	LARVAE	Liquid	Air/Ground	PCB/Operator
16970	METHAMIDOPHOS	LARVAE	Liquid	Air/Ground	PCB/Operator

SITES LIST

Site	Location Commodity Name/Code	Quantity	Pesticide #s	District	Section (MTRS)
3-10	BTWN WING LEVEE & MIDDLE RIVER			I	M01S05E23
	ALFALFA / 23001-0	17 ACRES	3830 (METHOMYL), 3940 (METHYL PARATHION), 5540 (STRYCHNINE), 8041 (2,4-DB), 16011 (PARAQUAT), 16890 (METHIDATHION)		
	SOIL FUM/PREPLT / 40008-0	17 ACRES	4840 (ALUMINUM PHOSPHIDE), 5540 (STRYCHNINE), 6260 (ZINC PHOSPHIDE), 9801 (2,4-D AMINE), 16011 (PARAQUAT)		
Conditions:	O - Aluminum & Magnesium Phosphide, P - General, Q - Dicamba & Phenoxy Herbicide CV				

3-5	MAP 3 FIELD 7		I	M01S05E14
	ALFALFA / 23001-0	74 ACRES	3830 (METHOMYL), 3940 (METHYL PARATHION), 5540 (STRYCHNINE), 8041 (2,4-DB), 16011 (PARAQUAT), 16890 (METHIDATHION)	
	SOIL FUM/PREPLT / 40008-0	74 ACRES	4840 (ALUMINUM PHOSPHIDE), 5540 (STRYCHNINE), 6260 (ZINC PHOSPHIDE), 9801 (2,4-D AMINE), 16011 (PARAQUAT)	
Conditions:	O - Aluminum & Magnesium Phosphide, P - General, Q - Dicamba & Phenoxy Herbicide CV			
3-8	NW CORNER UNDINE AT WING LEVEE RD		I	M01S05E14
	ALFALFA / 23001-0	78.9 ACRES	3830 (METHOMYL), 3940 (METHYL PARATHION), 5540 (STRYCHNINE), 8041 (2,4-DB), 16011 (PARAQUAT), 16890 (METHIDATHION)	
	SOIL FUM/PREPLT / 40008-0	78.9 ACRES	9801 (2,4-D AMINE), 16011 (PARAQUAT)	
Conditions:	P - General, Q - Dicamba & Phenoxy Herbicide CV			
3-7	NE CORNER UNDINE AT WING LEVEE RD		I	M01S05E23
	ALFALFA / 23001-0	43.3 ACRES	3830 (METHOMYL), 3940 (METHYL PARATHION), 5540 (STRYCHNINE), 8041 (2,4-DB), 16011 (PARAQUAT), 16890 (METHIDATHION)	
	SOIL FUM/PREPLT / 40008-0	43.4 ACRES	9801 (2,4-D AMINE), 16011 (PARAQUAT)	
Conditions:	P - General, Q - Dicamba & Phenoxy Herbicide CV			
3-11	MAP3 SITE 11 BTWN WING LEVEE & MIDDLE RIVER		I	M01S05E26
	FORAGE HAY/SLGE / 22000-0	95 ACRES	2000 (DICAMBA), 3830 (METHOMYL), 7860 (MCPA, DIMETHYLAMINE), 9801 (2,4-D AMINE), 16011 (PARAQUAT)	
	SOIL FUM/PREPLT / 40008-0	95 ACRES	4840 (ALUMINUM PHOSPHIDE), 5540 (STRYCHNINE), 6260 (ZINC PHOSPHIDE), 9801 (2,4-D AMINE), 16011 (PARAQUAT)	
Conditions:	O - Aluminum & Magnesium Phosphide, P - General, Q - Dicamba & Phenoxy Herbicide CV			
4-1	SW I-205 & PATTERSON PASS		A	M02S04E21
	OAT FOR/FOD / 22006-0	168 ACRES	1050 (CARBARYL), 2000 (DICAMBA), 3830 (METHOMYL), 7860 (MCPA, DIMETHYLAMINE), 9801 (2,4-D AMINE), 16011 (PARAQUAT)	
	SOIL FUM/PREPLT / 40008-0	168 ACRES	4840 (ALUMINUM PHOSPHIDE), 5540 (STRYCHNINE), 6260 (ZINC PHOSPHIDE), 9801 (2,4-D AMINE), 16011 (PARAQUAT)	
Conditions:	O - Aluminum & Magnesium Phosphide, P - General, Q - Dicamba & Phenoxy Herbicide CV			
4-1A	S/I-205, W/MOUNTAINHOUSE PKWY		A	M02S04E21
	PASTURELAND / 28035-0	30 ACRES	9801 (2,4-D AMINE), 16011 (PARAQUAT)	
Conditions:	P - General, Q - Dicamba & Phenoxy Herbicide CV			
ALL	SW I-205 & PATTERSON PASS		I	M02S04E21
	UNCUL NON-AG / 67000-0	67 ACRES	4840 (ALUMINUM PHOSPHIDE), 6260 (ZINC PHOSPHIDE), 9801 (2,4-D AMINE), 16011 (PARAQUAT)	
Conditions:	O - Aluminum & Magnesium Phosphide, P - General, Q - Dicamba & Phenoxy Herbicide CV			

OPERATION-WIDE CONDITIONS

A **Permit Cond.Table of Contents**

A - PERMIT CONDITIONS - TABLE OF CONTENTS

WORKERS SAFETY SERIES ATTACHED

[ ] A-1 through A-11 General Information

PERMIT CONDITONS ATTACHED
[ ] O- Aluminum Phosphide in Rodent Burrows
[X] P - General
[ ] Q - Dicamba & Phenoxy Herbicides - Central Valley/Hazardous Area
[ ] R - Dicamba & Phenoxys - Special Hazardous Area
[ ] S - Metam Sodium, Metam Potassium, Dazomet
[ ] T - Aldicarb (Temik)
[ ] U - Endosulfan (Thiodan)
[ ] V - Rice Pesticides Program
    [ ] - Attachments 1-5 Thiobencarb (Forms A,B)
[ ] W - Methyl Bromide / Sulfuryl Fluoride
    [ ] - Soil within greenhouses
    [ ] - Commodity
    [ ] - Soil injection
    [ ] - Tarped potting soil
    [ ] - Single tree site
[ ] X - Furadan chemigation of grapes
[ ] Y - 1, 3 - Dichloropropene
[ ] Z - Other

GROUNDWATER PROTECTION PERMIT CONDITIONS

These conditions apply to pesticides labeled for agricultural, outdoor industrial, or outdoor institutional use that contain chemicals listed in 3CCR section 6800(a): ATRAZINE, SIMAZINE, BROMACIL, DIURON (except products with less than 7% diuron applied to foliage), PROMETON, BENTAZON, AND NORFLURAZON. Ground Water Protection Areas (GWPA), for San Joaquin County, are designated in the Department of Pesticide Regulation document EH03-05. A list of GWPAs may be obtained from the Commissioner's Office or DPR's website (www.cdpr.ca.gov/docs/gwp).

"Engineered rights of way" are defined as areas within a ground water protection area (GWPA) that are constructed in a way that results in increased runoff and collection of storm water, such as railroad ballasts and berms, public roadsides, and highway median strips or similar areas, but not canal or ditch banks or utility lines.

SPECIFIC GROUNDWATER PROTECTION PERMIT CONDITIONS ATTACHED

GWP-C & D Unlined canal and ditch banks
[ ] 1 - Percolation rate is less than or equal to 0.2 inches per hour
[ ] 2 - Applied six months prior to water run
[ ] 3 - All applications are prohibited below high water line

GWP-ROW Engineered rights-of-way within San Joaquin County GWPAs
[ ] 1A - Soil disturbance within 7 days
[ ] 1B - Incorporation
[ ] 1C - Applied between April 1 and July 31
[ ] 2 - Runoff passes through adjacent fully vegetated noncrop area
[ ] 3 - Compliance with NPDES permit
[ ] 4 - Runoff through adjacent area as overland flow

GWP-R Runoff GWPAs within San Joaquin County
[ ] 1 - Soil disturbance
[ ] 2 - Incorporated
[ ] 3 - Band treatment
[ ] 4 - Applied between April 1 and July 31
[ ] 5 - Runoff water held onsite
[ ] 6 - Runoff water stored offsite
[ ] 7 - Runoff to adjacent fallow field

GWP-L Leaching GWPAs within San Joaquin County
[ ] 1 - No irrigation
[ ] 2 - Bed or berm application
[ ] 3 - Managed irrigation

GWP-Director Director Approved Alternative Management Practices or Interim Use
[ ] 1 - Director approved alternative
[ ] 2 - Director approved interim use

Revised 11/11

P General

CONDITION - P - General

In addition to all applicable laws, regulations, label restrictions and other more restrictive conditions of this permit, THE FOLLOWING CONDITIONS APPLY TO APPLICATIONS COVERED BY THIS PERMIT.

1. Maximum wind velocities for applications of Restricted Materials unless otherwise covered by the label, law, regulation, other permit conditions or environmental conditions at the application site are:

a. Spray - 12 m.p.h.
b. Dust - 8 m.p.h.
c. Pellets, granular or baits - 16 m.p.h.

2. No pesticide application shall be made or continued when there is the likelihood of contaminating any persons, non-target crops, animals or other public or private property.

3. Unless specifically named as a dust on this permit, NO DUST FORMULATIONS are allowed.

4. Apply pesticides covered by SLN(s) and Section 18(s) in conformance with the SLN(s) and Section 18(s).

5. A flagger is required at the application site for all AIR applications of Zinc Phosphide bait.

Revised 10/90

Q Dicamba & Phenoxy Herbicide CV

CONDITION - Q - DICAMBA AND PHENOXY HERBICIDES - CENTRAL VALLEY/HAZARDOUS AREA

In addition to all applicable laws, regulations and label restrictions, the CONDITIONS CHECKED BELOW APPLY to applications covered by this permit.

[X] 1. No ester formulation applications allowed.

[ ] 2. A smoke column is required at the application site for all Phenoxy and Dicamba applications by aircraft beginning March 16 and continuing through October 15.

[X] 3. Do not discharge material more than 10 feet above the crop or target.

[ ] 4. A drift reducing agent shall be added to the spray mixture at label rates.

[X] 5. Maximum wind velocity for Phenoxy herbicides - 10 m.p.h.

[X] 6. Maximum wind velocity for Dicamba - 10 m.p.h. EXCEPT when wind is moving in direction of sensitive crops, the maximum wind velocity - 5 m.p.h.

[ ] 7. No Dicamba application allowed in the vicinity of sensitive crops when the maximum temperature on the day of application is predicted to exceed 85 degrees
fahrenheit. Predicted temperature for the following day will be determined by the NOAA - National Weather Service.

[ ] 8. Dicamba applications by aircraft are restricted to a minimum distance of 2 miles from the following susceptible crops: beans, grapes, sunflower, tomato,
safflower, curcurbits, potatoes.

[ ] 9. Dicamba applications by ground are restricted to a minimum distance of 20 feet from the following susceptible crops: beans, safflower, tomato, curcurbits,
potatoes and 1/4 mile from grapes and sunflowers.

[ ] 10. No Dicamba or Phenoxy herbicide applications allowed beginning March 16 and continuing through October 15, and until grape leaves in the vicinity of the treated area are "browned off".

Revised 10/90

O **Aluminum & Magnesium Phosphide**

Use in Rodent Burrow Fumigations

These use conditions are based on a determination by the California Department of Pesticide Regulation that exposure to phosphine fumigants is a risk to public safety.

1. Use is strictly prohibited around all residential areas, including single and multi-family residential properties, nursing homes, schools (except athletic fields where use may continue), day care facilities, and hospitals.
2. The products must only be used outdoors for control of burrowing pests, and are for use only on agricultural areas, orchards, non-crop areas (such as pasture and rangeland), golf courses, athletic fields, parks and recreational areas, cemeteries, airports, rights-of-way, earthen dams, and other non-residential institutional or industrial sites.
3. Products must not be applied in a burrow system that is within 100 feet of a building that is or may be occupied by people or domestic animals. This buffer zone for treatment around non-residential buildings that could be occupied by people or animals has been increased from 15 feet to 100 feet.
4. When this product is used in athletic fields or parks, the applicator must post a sign at entrances to the treated site containing the signal word DANGER/PELIGRO, skull and crossbones, the words: DO NOT ENTER/NO ENTRE, FIELD NOT FOR USE, the name and EPA registration number of the fumigant, and a 24-hour emergency response number. Signs may be removed 2 days after the final treatment.
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Revised 10/90

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[X] 5. Maximum wind velocity for Phenoxy herbicides - 10 m.p.h.

[X] 6. Maximum wind velocity for Dicamba - 10 m.p.h. EXCEPT when wind is moving in direction of sensitive crops, the maximum wind velocity - 5 m.p.h.

[ ] 7. No Dicamba application allowed in the vicinity of sensitive crops when the maximum temperature on the day of application is predicted to exceed 85 degrees
fahrenheit. Predicted temperature for the following day will be determined by the NOAA - National Weather Service.

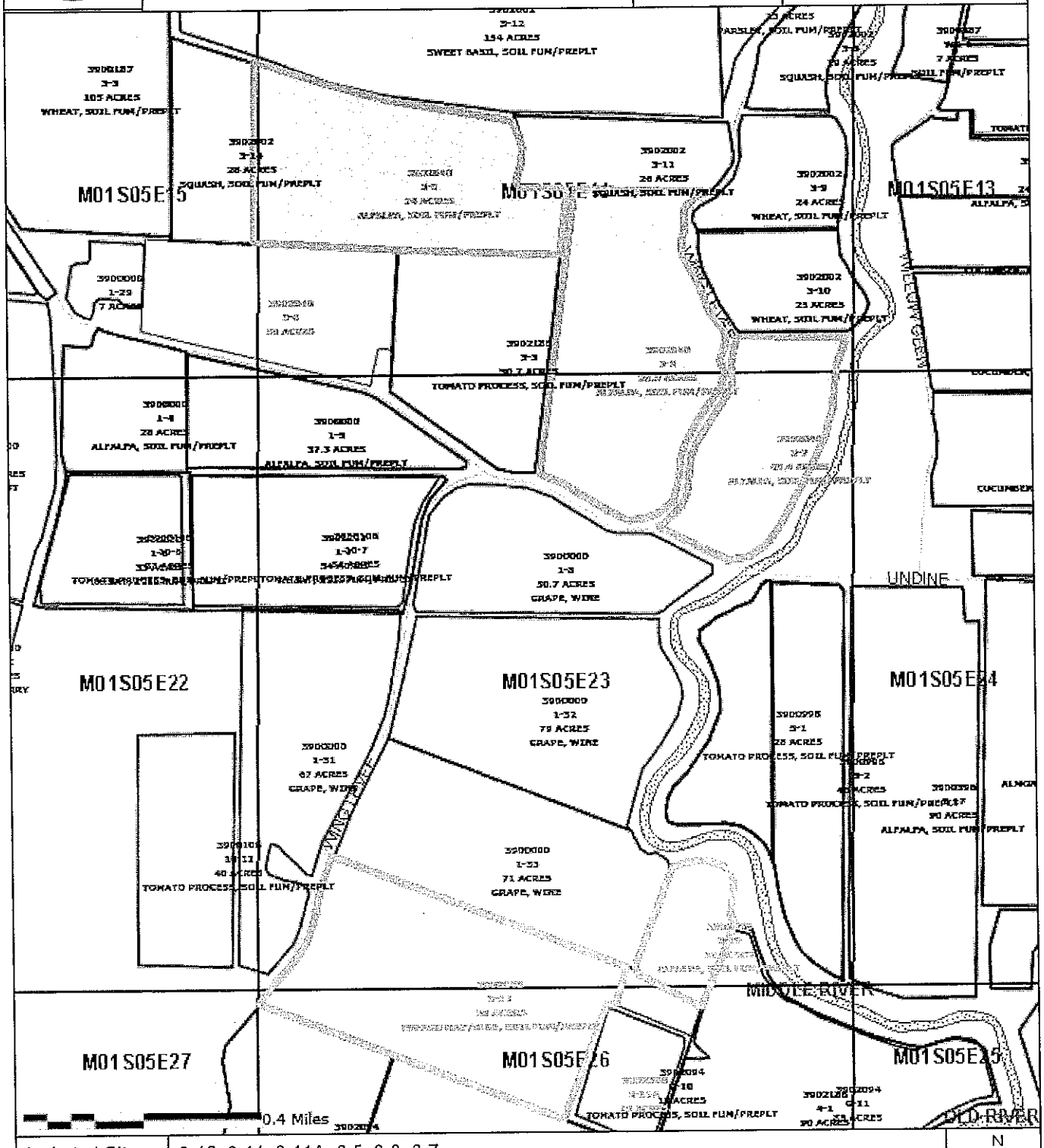
[ ] 8. Dicamba applications by aircraft are restricted to a minimum distance of 2 miles from the following susceptible crops: beans, grapes, sunflower, tomato,
safflower, curcurbits, potatoes.

[ ] 9. Dicamba applications by ground are restricted to a minimum distance of 20 feet from the following susceptible crops: beans, safflower, tomato, curcurbits,
potatoes and 1/4 mile from grapes and sunflowers.

[ ] 10. No Dicamba or Phenoxy herbicide applications allowed beginning March 16 and continuing through October 15, and until grape leaves in the vicinity of the treated area are "browned off".

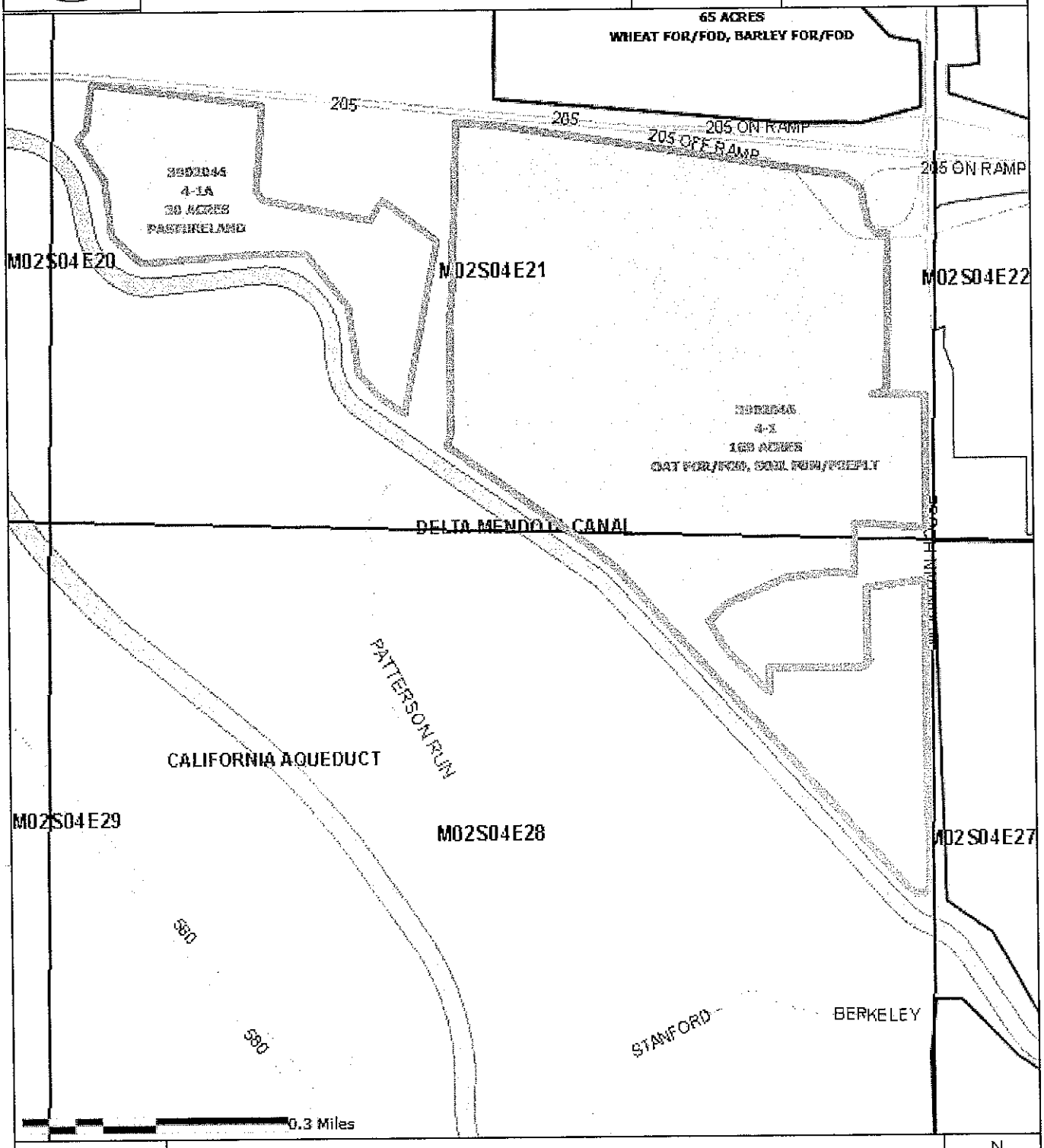
Revised 10/90

San Joaquin County	Permit Number:	3902046
MAP 3	Created On:	2/6/2012
WING LEVEE AND UNDINE SITES 3-5, 3-7, 3-8, 3-10, 3 -11	Operator:	HOLDENER RANCHES



Included Sites:	3-10, 3-11, 3-11A, 3-5, 3-8, 3-7

San Joaquin County	Permit Number:	3902046
MAP 4	Created On:	2/6/2012
S OF 205 W OF MOUNTAIN HOUSE N OF DELTA MENDOTA CANAL SITES 4-1, 4-1A	Operator:	HOLDENER RANCHES



Included Sites:	4-1, 4-1A

N
W E
S

SAN JOAQUIN COUNTY
2101 E EARHART, SUITE 100
STOCKTON, CA 95206-
Web:www.co.san-joaquin.ca.us/agcomm

Office: (209)953-6000 Fax: (209)953-6022 Recorder (NOI's): (209)953-6000

2011

RESTRICTED MATERIALS PERMIT

HOLDENER RANCHES
14400 WINGLEVEE RD
STOCKTON CA 95206-969

ROBERT C HOLDENER
14400 S WINGLEVEE RD
STOCKTON CA 95206

Permit Number: 39-11-3902046
County District #: 1
Expiration Date: December 31, 2011
Effective Date: January 13, 2011

Home Phone:
Shop Phone:
Mobile Phone:
Fax:

Permittee Type: Private Applicator
Permit Type: Seasonal
Possession: Possession & Use

NOI Method of Submission:
Phone: X Fax: X Box:
In Person: X Web: X
NOI required 24 hours prior to application.

PA-3998953

Conditions: A,O,P,Q

See end of permit for code descriptions.

I understand that this permit does not relieve me from liability for any damages to any persons or property caused by the use of these pesticides. I waive any claims of liability for damages against the County Department of Agriculture based on the issuance of this permit. I further understand that this permit may be revoked when pesticides are used in conflict with the manufacturer's labeling or in violation of applicable laws, regulations and specific conditions of this permit. I authorize inspection at all reasonable times and whenever an emergency exists by the Department of Pesticide Regulation or the County Department of Agriculture of all areas treated or to be treated, storage facilities for pesticides or emptied containers and equipment used or to be used in the treatment. I have considered alternatives and mitigation measures pursuant to Title 3, California Code of Regulations, section 6426 Taking into account economic, environmental, social, and technological factors, I have adopted those that are feasible and would substantially lessen any significant adverse impact on the environment.
[Form PR-ENF-125 (Rev 11/06) Pesticide Enforcement Branch]

Permit Applicant: ROBERT C HOLDENER (Please Print) Signed: [signature]

Title: OWNER (Please Print) Issue Date: 1/13/2011

Issuing Officer: [signature] Issue Date: 1/14/2011

Employees handle pesticides.

Contact Name	License#	Exp. Date	Phone Number	Contact Type
HOLDENER RANCHES	3902046			Grower-Permittee
HOLDENER,ROBERT C	3998953-00000	12/31/2012		Private Applicator Certificate
STANISLAUS FARM SUPPLY	31497			Pest Control Business

PERMIT PESTICIDES

Number	Pesticide	Pests	Forms	Methods	Applicators
1050	CARBARYL	LARVAE	All Reg.	Air Ground	PG
2000	DICAMBA	WEEDS	Liquid	Air Ground	PG
2300	DISULFOTON	APHIDS	All Reg.	Air Ground	PG
3830	METHOMYL	LARVAE	Liquid	Air Ground	PG
3940	METHYL PARATHION	LARVAE	All Reg.	Air Ground	PG
4780	PHORATE	APHIDS	All Reg.	Air Ground	PG
4840	ALUMINUM PHOSPHIDE	RODENTS	Fumigant	Other	PG
5540	STRYCHNINE	GOPHERS	Bait	Air Ground	PG
6260	ZINC PHOSPHIDE	RODENTS	Bait	Other	PG
7860	MCPA, DIMETHYLAMINE	WEEDS	Liquid	Air Ground	PG
8041	2,4-DB	WEEDS	Liquid	Air Ground	PG
9801	2,4-D AMINE	WEEDS	Liquid	Air Ground	PG
16011	PARAQUAT	WEEDS	Liquid	Air Ground	PG
16970	METHAMIDOPHOS	LARVAE	Liquid	Air Ground	PG

PERMIT COMMODITIES

Crop / Site	Location/Site Narrative/Site Conditions	District	Section / Quantity	Town / Units	Range	Meridian
ALFALFA (23001-0)						
3-10	BTWN WING LEVEE & MIDDLE RIVER	I	23 17.00	01S A	05E	M
	Site Conditions: P Q 1050 (CARBARYL), 3830 (METHOMYL), 5540 (STRYCHNINE), 8041 (2,4-DB), 16011 (PARAQUAT),					
3-11	BTWN WING LEVEE & MIDDLE RIVER MAP3 SITE 11	I	26 95.00	01S A	05E	M
	Site Conditions: P Q 1050 (CARBARYL), 3830 (METHOMYL), 5540 (STRYCHNINE), 8041 (2,4-DB), 16011 (PARAQUAT),					
3-11A	SOUTH OF UNDINE EAST OF WING LEVE MAP 3 FIELD 11A	I	26 15.00	01S A	05E	M
	Site Conditions: P Q 1050 (CARBARYL), 3830 (METHOMYL), 5540 (STRYCHNINE), 8041 (2,4-DB), 16011 (PARAQUAT),					
3-9	MAP 3 FIELD 7	I	14 74.00	01S A	05E	M
	Site Conditions: P Q 1050 (CARBARYL), 3830 (METHOMYL), 5540 (STRYCHNINE), 8041 (2,4-DB), 16011 (PARAQUAT),					
CORN FOR/FOD (22006-0)						
3-8	N/UNDINE RD. W/WING LEVEE RD UNION ISLAND	I	14 80.00	01S A	05E	M
	Site Conditions: P Q 1050 (CARBARYL), 2000 (DICAMBA), 2300 (DISULFOTON), 3830 (METHOMYL), 3940 (METHYL PARATHION), 4780 (PHORATE), 9801 (2,4-D AMINE), 16011 (PARAQUAT),					
OAT FOR/FOD (22006-0)						
4-1	SW I-205 & PATTERSON PASS	J	21 168.00	02S A	04E	M
	Site Conditions: P Q 1050 (CARBARYL), 2000 (DICAMBA), 3830 (METHOMYL), 7860 (MCPA, DIMETHYLAMINE), 9801 (2,4-D AMINE), 16011 (PARAQUAT),					
PASTURELAND (28035-0)						

PASTURELAND (28035-0)

4-1A	S/I-205, W/MOUNTAINHOUSE PKWY	J	21	02S	04E	M
			30.00	A		

Site Conditions: P Q
9801 (2,4-D AMINE), 16011 (PARAQUAT),

SOIL FUM/PREPLT (40008-0)

3-10	BTWN WING LEVEE & MIDDLE RIVER	I	23	01S	05E	M
			17.00	A		

Site Conditions: A O P Q
4840 (ALUMINUM PHOSPHIDE), 5540 (STRYCHNINE), 6260 (ZINC PHOSPHIDE), 9801 (2,4-D AMINE), 16011 (PARAQUAT),

3-11	BTWN WING LEVEE & MIDDLE RIVER	I	26	01S	05E	M
			95.00	A		

Site Conditions: A O P Q
4840 (ALUMINUM PHOSPHIDE), 5540 (STRYCHNINE), 6260 (ZINC PHOSPHIDE), 9801 (2,4-D AMINE), 16011 (PARAQUAT),

3-11A	SOUTH OF UNDINE EAST OF WING LEVE MAP 3 FIELD 11A	I	26	01S	05E	M
			15.00	A		

Site Conditions: A O P Q
4840 (ALUMINUM PHOSPHIDE), 5540 (STRYCHNINE), 6260 (ZINC PHOSPHIDE), 9801 (2,4-D AMINE), 16011 (PARAQUAT),

3-5	MAP 3 FIELD 7	I	14	01S	05E	M
			74.00	A		

Site Conditions: A O P Q
4840 (ALUMINUM PHOSPHIDE), 5540 (STRYCHNINE), 6260 (ZINC PHOSPHIDE), 9801 (2,4-D AMINE), 16011 (PARAQUAT),

3-6	N/UNDINE RD. W/WING LEVEE RD UNION ISLAND	I	14	01S	05E	M
			50.00	A		

Site Conditions: A O P Q
4840 (ALUMINUM PHOSPHIDE), 5540 (STRYCHNINE), 6260 (ZINC PHOSPHIDE), 9801 (2,4-D AMINE), 16011 (PARAQUAT),

3-8	N/UNDINE RD. W/WING LEVEE RD UNION ISLAND	I	14	01S	05E	M
			80.00	A		

Site Conditions: A O P Q
4840 (ALUMINUM PHOSPHIDE), 5540 (STRYCHNINE), 6260 (ZINC PHOSPHIDE), 9801 (2,4-D AMINE), 16011 (PARAQUAT),

SOIL FUM/PREPLT (40008-0)

4-1	SW I-205 & PATTERSON PASS	J	21	02S	04E	M
			168.00	A		

Site Conditions: A O P Q
4840 (ALUMINUM PHOSPHIDE), 5540 (STRYCHNINE), 6360 (ZINC PHOSPHIDE), 9801 (2,4-D AMINE), 16011 (PARAQUAT),

UNCUL NON-AG (67000-0)

ALL	SW I-205 & PATTERSON PASS	J	21	02S	04E	M
			67.00	A		

Site Conditions: A O P Q
4840 (ALUMINUM PHOSPHIDE), 6360 (ZINC PHOSPHIDE), 9801 (2,4-D AMINE), 16011 (PARAQUAT),

PAGE 02/02
PAGE 02/03
HARRIS RANCH
SJC WM
2095936060
06/08/2011 15:47
06/08/2011 16:20 9355061

APPLICATION - RESTRICTED MATERIALS PERMIT - SUPPLEMENT

PERMIT NO. 3902046

PAGE NO. 1 of 1

Holdener Ranches

LOCATION	SEC	TWN	RNG	MAP ID	COMMODITY	ACRES/ UNITS	PESTICIDES	PESTS	F*	M**	RATE	DILUTION/ VOLUME	APPL	DATE/ TIMING
7. 3-8							Remove from Permit							
8.														
9.														
10. 3-12	23	1S	5E	3	Corn	80	Corn/Fod	use same materials as on other corn sites on permit						
11.														
12.														
13.														
14.														
15.														
16.														
17.														
18.														
19.														
20.														
21.														
22.														
23.														
24.														
25.														
26.														
27.														
28.														
29.														
30.														
31.														

*Formulation: L–Liquid B–Bait D–Dust F–Fumigant G–Granules WP–Wettable Powder O–Other

**Method: A–Air F–Fumigation Gr–Ground O–Other

APPLICANT SIGNATURE _____ DATE _____

ISSUED BY _____ DATE 6/8/11

STATE OF CALIFORNIA
DEPARTMENT OF PESTICIDE REGULATION
PR-ENF-125A (REV. 10/07) Page 1 of 1

DISTRIBUTION: WHITE & YELLOW - COUNTY AGRICULTURAL COMMISSIONER; PINK & GOLD - PERMITTEE

OSP 99 10852

APPLICATION - RESTRICTED MATERIALS PERMIT - SUPPLEMENT

PERMIT NO. 3902046

Holdener Ranches

PAGE NO. 1

LOCATION	SEC	TWN	RNG	MAP ID	COMMODITY	ACRES/ UNITS	PESTICIDES	PESTS	F*	M**	RATE	DILUTION/ VOLUME	APPL	DATE/ TIMING
7. 3-8							Remove from Permit							
8.														
9.														
10. 3-12	23	15	5E	3	Corn	80	Corn/Fod	use same materials as on other corn sites on permit						
11.														
12.														
13.														
14.														
15.														
16.														
17.														
18.														
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28.														
29.														
30.														
31.														

*Formulation: L--Liquid B--Bait D--Dust F--Fumigant G--Granules WP--Wettable Powder O--Other

**Method: A--Air F--Fumigation Gr--Ground O--Other

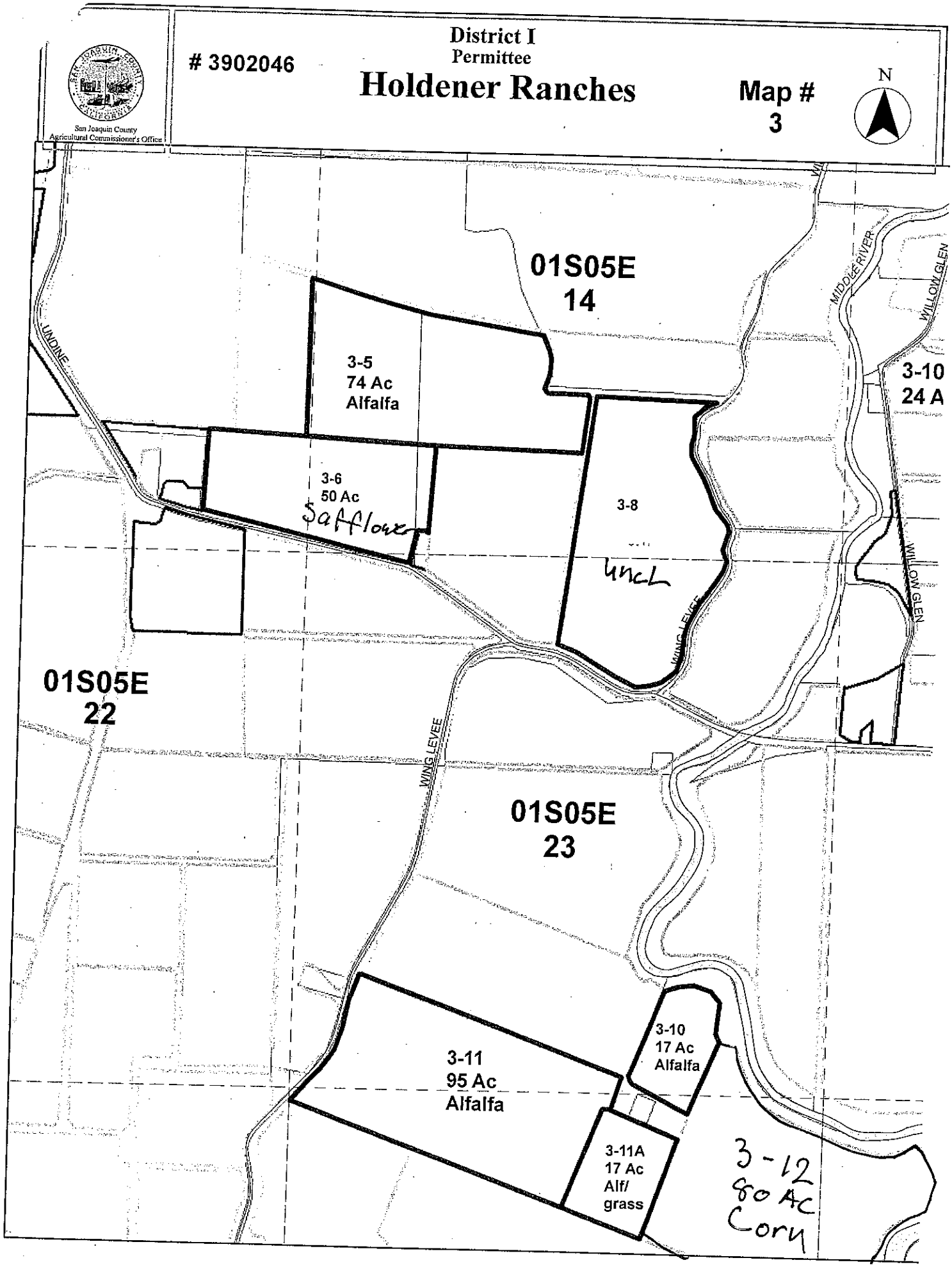
APPLICANT SIGNATURE _____ DATE _____

ISSUED BY [signature] DATE 6/18/11

DISTRIBUTION: WHITE & YELLOW - COUNTY AGRICULTURAL COMMISSIONER; PINK & GOLD - PERMITTEE

OSP 08 109802

STATE OF CALIFORNIA
DEPARTMENT OF PESTICIDE REGULATION
PR-ENF-125A (REV. 10/07) Page 1 of 1


San Joaquin County
Agricultural Commissioner's Office
3902046
District I
Permittee
Holdener Ranches
Map # 3
N
01S05E 14
3-5
74 Ac
Alfalfa
3-6
50 Ac
Safflower
3-8
unCL
3-10
24 A
JUNDINE
MIDDLE RIVER
WILLOW GLEN
WING LEVEE
01S05E 22
01S05E 23
3-11
95 Ac
Alfalfa
3-10
17 Ac
Alfalfa
3-11A
17 Ac
Alf/
grass
3-12
80 Ac
Corn

APPLICATION - RESTRICTED MATERIALS PERMIT - SUPPLEMENT

Holdner Rancher

PERMIT NO. 39 02046

PAGE NO. 1

LOCATION	SEC	TWN	RNG	MAP ID	COMMODITY	ACRES/ UNITS	PESTICIDES	PESTS	F*	M**	RATE	DILUTION/ VOLUME	APPL	DATE/ TIMING
7. 3-6	14	15	5E	3	Safflower	50	Paraquat							
8.														
9.														
10.														
11.														
12.														
13.														
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27.														
28.														
29.														
30.														
31.														

*Formulation: L--Liquid B--Bait D--Dust F--Fumigant G--Granules WP--Wettable Powder O--Other

**Method: A--Air F--Fumigation Gr--Ground O--Other

APPLICANT SIGNATURE _____ DATE _____

ISSUED BY _____ DATE 4/12/11

DISTRIBUTION: WHITE & YELLOW - COUNTY AGRICULTURAL COMMISSIONER; PINK & GOLD - PERMITTEE

OSP 08 109802

STATE OF CALIFORNIA
DEPARTMENT OF PESTICIDE REGULATION

Apr 12 11 03:27p Bob Holdener 209-948-9666 p.2

APPLICATION - RESTRICTED MATERIALS PERMIT - SUPPLEMENT

PERMIT NO. 39 02046

Hddner Rancher

PAGE NO. 1

LOCATION	SEC	TWN	RNG	MAP ID	COMMODITY	ACRES/ UNITS	PESTICIDES	PESTS	F*	M**	RATE	DILUTION/ VOLUME	APPL	DATE/ TIMING
7. 3-6	14	15	5E	3	Safflower	50	Paraquat							
8.														
9.														
10.														
11.														
12.														
13.														
14.														
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27.														
28.														
29.														
30.														
31.														

*Formulation: L--Liquid B--Bait D--Dust F--Fumigant G--Granules WP--Wettable Powder O--Other

**Method: A--Air F--Fumigation Gr--Ground O--Other

APPLICANT SIGNATURE _____ DATE _____

ISSUED BY [signature] DATE 4/12/11

DISTRIBUTION: WHITE & YELLOW - COUNTY AGRICULTURAL COMMISSIONER; PINK & GOLD - PERMITTEE

OSP 08 109802

STATE OF CALIFORNIA
DEPARTMENT OF PESTICIDE REGULATION
PR-ENF-125A (REV. 10/07) Page 1 of 1

San Joaquin County
Agricultural Commissioner's Office

3902046

District I
Permittee
Holdener Ranches

Map # 3



01S05E
14

3-5
74 Ac
Alfalfa

3-6
50 Ac
Safflower

3-8
78.9 Ac
Corn

3-10
24 A

UNDINE

MIDDLE RIVER

WILLOW GLEN

WING LEVEE

01S05E
22

01S05E
23

REVISED
DATE 4/12/11

3-10
17 Ac
Alfalfa

3-11
95 Ac
Alfalfa

3-11A
17 Ac
Alf/
grass

Description of Conditions on this Permit:

Condition ID	Description
A	Permit Cond.Table of Contents

A - PERMIT CONDITIONS - TABLE OF CONTENTS

WORKERS SAFETY SERIES ATTACHED

[ ] A-1 through A-11 General Information

PERMIT CONDITIONS ATTACHED

(X) O - Aluminum and Magnesium Phosphide
[X] P - General
[X] Q - Dicamba & Phenoxy Herbicides - Central Valley/Hazardous Area
[ ] R - Dicamba & Phenoxys - Special Hazardous Area
[ ] S - Metam Sodium, Metam Potassium, Dazomet Field Soil Fumigations
- ( ) - S1 Dasonet Methods
- ( ) - S2 Drench Method
- ( ) - S3 Drip Method
- ( ) - S4 Flood Method
- ( ) - S5 Power Mulcher/Rotary Tiller
- ( ) - S6 Rod Bar Method
- ( ) - S7 Shank Method
- ( ) - S8 Spray Blade with Soil Cap Method
- ( ) - S9 Sprinkler Method

[ ] T - Aldicarb (Temik)
[ ] U - Endosulfan (Thiodan)
[ ] V - Rice Pesticides Program
- [ ] - Molinate (Ordram) Worker Safety (A)
- [ ] - Attachments 1-10: Molinate (1, 6), Thiobencarb (2,6,7), Methylparathion (3,9), Seepage Control (5), Propanil (10) and Malathion (voluntary: 4,8).

[ ] W - Methyl Bromide
- [ ] - Soil within greenhouses
- [ ] - Commodity
- [ ] - Soil injection
- [ ] - Tarped potting soil
- [ ] - Single tree site

[ ] X - Furadan chemigation of grapes
[ ] Y - 1, 3 - Dichloropropene
[ ] Z - Other

GROUNDWATER PROTECTION PERMIT CONDITIONS

These conditions apply to pesticides labeled for agricultural, outdoor industrial, or outdoor institutional use that contain chemicals listed in 3CCR section 6800(a): ATRAZINE, SIMAZINE, BROMACIL, DIURON (except products with less than 7% diuron applied to foliage), PROMETON, BENTAZON, AND NORFLURAZON. Ground Water Protection Areas (GWPA), for San Joaquin County, are designated in the Department of Pesticide Regulation document EH03-05. A list of GWPAs may be obtained from the Commissioner's Office or DPR's website (www.cdpr.ca.gov/docs/gwp).

"Engineered rights of way" are defined as areas within a ground water protection area (GWPA) that are constructed in a way that results in increased runoff and collection of storm water, such as railroad ballasts and berms, public roadsides, and highway median strips or similar areas, but not canal or ditch banks or utility lines.

SPECIFIC GROUNDWATER PROTECTION PERMIT CONDITIONS ATTACHED

SPECIFIC GROUNDWATER PROTECTION PERMIT CONDITIONS ATTACHED

GWP-C & D Unlined canal and ditch banks
[ ] 1 - Percolation rate is less than or equal to 0.2 inches per hour
[ ] 2 - Applied six months prior to water run
[ ] 3 - All applications are prohibited below high water line

GWP-ROW Engineered rights-of-way within San Joaquin County GWPAs
[ ] 1A - Soil disturbance within 7 days
[ ] 1B - Incorporation
[ ] 1C - Applied between April 1 and July 31
[ ] 2 - Runoff passes through adjacent fully vegetated noncrop area
[ ] 3 - Compliance with NPDES permit

GWP-R Runoff GWPAs within San Joaquin County
[ ] 1 - Soil disturbance
[ ] 2 - Incorporated
[ ] 3 - Band treatment
[ ] 4 - Applied between April 1 and July 31
[ ] 5 - Runoff water held onsite
[ ] 6 - Runoff water stored offsite
[ ] 7 - Runoff to adjacent fallow field

GWP-L Leaching GWPAs within San Joaquin County
[ ] 1 - No irrigation
[ ] 2 - Bed or berm application
[ ] 3 - Managed irrigation

GWP-Director Director Approved Alternative Management Practices or Interim Use
[ ] 1 - Director approved alternative
[ ] 2 - Director approved interim use

Revised 10/04

O Aluminum & Magnesium Phosphide

Use in Rodent Burrow Fumigations

These use conditions are based on a determination by the California Department of Pesticide Regulation that exposure to phosphine fumigants is a risk to public safety.

Use is strictly prohibited around all residential areas, including single and multi-family residential properties, nursing homes, schools (except athletic fields where use may continue), day care facilities, and hospitals.

- The products must only be used outdoors for control of burrowing pests, and are for use only on agricultural areas, orchards, non-crop areas (such as pasture and rangeland), golf courses, athletic fields, parks and recreational areas, cemeteries, airports, rights-of-way, earthen dams, and other non-residential institutional or industrial sites.
- Products must not be applied in a burrow system that is within 100 feet of a building that is or may b occupied by people or domestic animals. This buffer zone for treatment around non-residential buildings that could be occupied by people or animals has been increased from 15 feet to 100 feet.
- When this product is used in athletic fields or parks, the applicator must post a sign at entrances to th treated site containing the signal word DANGER/PELIGRO, skull and crossbones, the words: DO NOT ENTER/NO ENTRE, FIELD NOT FOR USE, the name and EPA registration number of the fumigant, and a 24-hour emergency response number. Signs may be removed 2 days after the final treatment.
- When this product is used out-of-doors in a site frequented by people, other than an athletic field or park, the applicator shall post a sign at the application site containing the signal word DANGER/PELIGRO, skull and crossbones, the name and EPA registration number of the fumigant,

and a 24-hour emergency response number. Signs may be removed 2 days after the final treatment. Fumigant Management Plans must be written before all applications of phosphine products, including all borrowing pest fumigations. A Fumigant Management Plan is a written description of the steps designed to plan for a safe, legal and effective fumigation. The certified applicator and owner of the property to be fumigated must characterize the area to be treated and include all safety requirements in the plan before application.

P General

CONDITION - P - General

In addition to all applicable laws, regulations, label restrictions and other more restrictive conditions of this permit, THE FOLLOWING CONDITIONS APPLY TO APPLICATIONS COVERED BY THIS PERMIT.

1. Maximum wind velocities for applications of Restricted Materials unless otherwise covered by the label, law, regulation, other permit conditions or environmental conditions at the application site are:

   a. Spray - 12 m.p.h.
   b. Dust - 8 m.p.h.
   c. Pellets, granular or baits - 16 m.p.h.

2. No pesticide application shall be made or continued when there is the likelihood of contaminating any persons, non-target crops, animals or other public or private property.

3. Unless specifically named as a dust on this permit, NO DUST FORMULATIONS are allowed.

4. Apply pesticides covered by SLN(s) and Section 18(s) in conformance with the SLN(s) and Section 18(s).

5. A flagger is required at the application site for all AIR applications of Zinc Phosphide bait.

Revised 10/90

Q Dicamba & Phenoxy Herbicide CV

CONDITION - Q - DICAMBA AND PHENOXY HERBICIDES - CENTRAL VALLEY/HAZARDOUS AREA

In addition to all applicable laws, regulations and label restrictions, the CONDITIONS CHECKED BELOW APPLY to applications covered by this permit.

[X] 1. No ester formulation applications allowed.

[ ] 2. A smoke column is required at the application site for all Phenoxy and Dicamba applications by aircraft beginning March 16 and continuing through October 15.

[X] 3. Do not discharge material more than 10 feet above the crop or target.

[ ] 4. A drift reducing agent shall be added to the spray mixture at label rates.

[X] 5. Maximum wind velocity for Phenoxy herbicides - 10 m.p.h.

[X] 6. Maximum wind velocity for Dicamba - 10 m.p.h. EXCEPT when wind is moving in direction of sensitive crops, the maximum wind velocity - 5 m.p.h.

[ ] 7. No Dicamba application allowed in the vicinity of sensitive crops when the maximum temperature on the day of application is predicted to exceed 85 degrees fahrenheit. Predicted temperature for the following day will be determined by the 3:30 p.m. prediction by the National Weather Station - Stockton Airport.

[ ] 8. Dicamba applications by aircraft are restricted to a minimum distance of two (2) miles from the following susceptible crops: beans, grapes, sunflower, tomato, safflower, cucurbits, potatoes.

[ ] 9. Dicamba applications by ground are restricted to a minimm distance of 20 feet from the following susceptible crops: beans, safflower, tomato, cucurbits, potatoes and 1/4 mile from grapes and sunflowers.

[ ] 10. No Dicamba or Phenoxy herbicide applications allowed beginning March 16 and continuing through October 15, and until grape leaves in the vicinity of the treated area are "browned off".

Revised 10/90

Description of Custom Site Conditions

Condition ID	Long Description

*** LAST PAGE ***

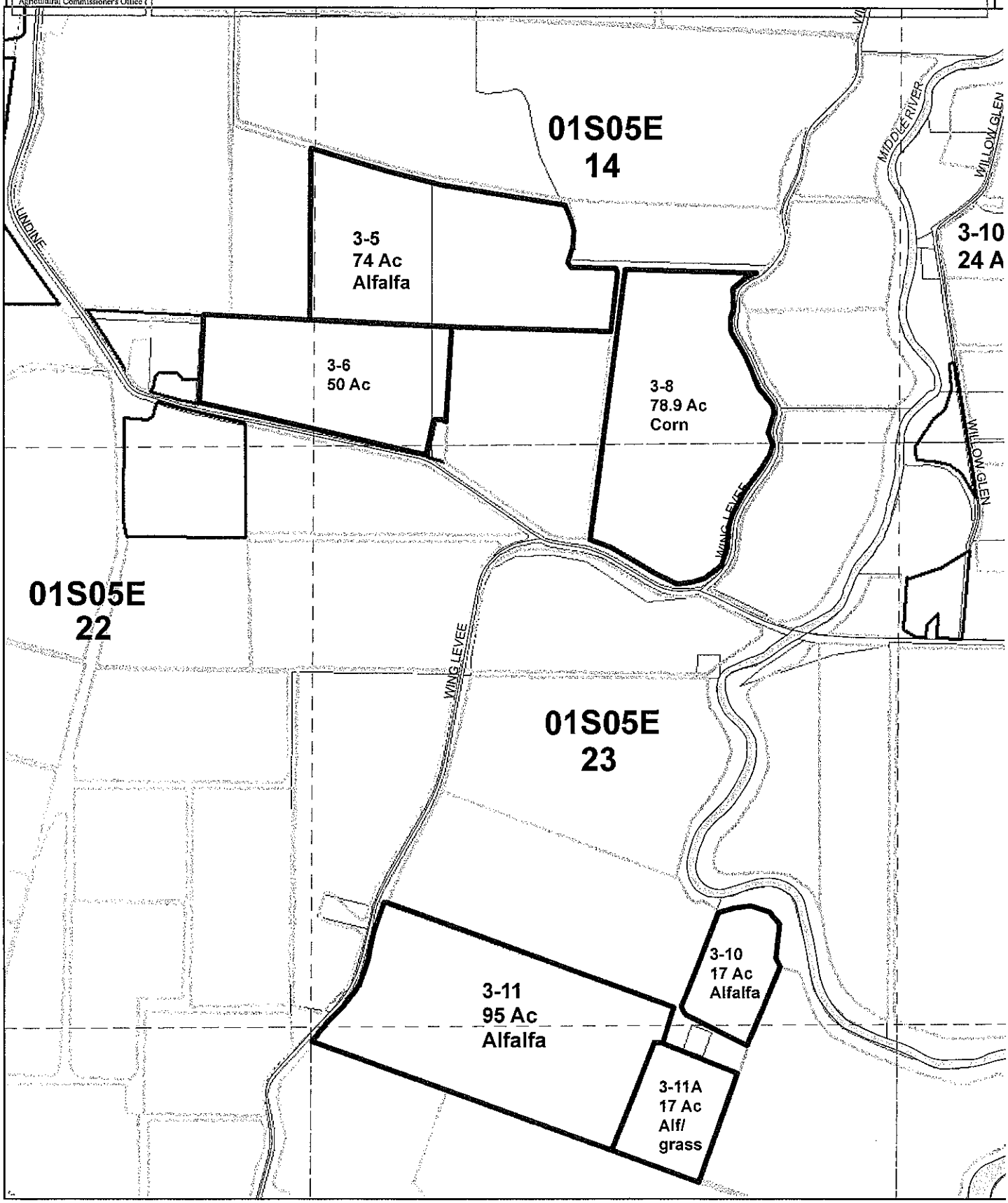
San Joaquin County
Agricultural Commissioner's Office

3902046

District I
Permittee

Holdener Ranches

Map # 3

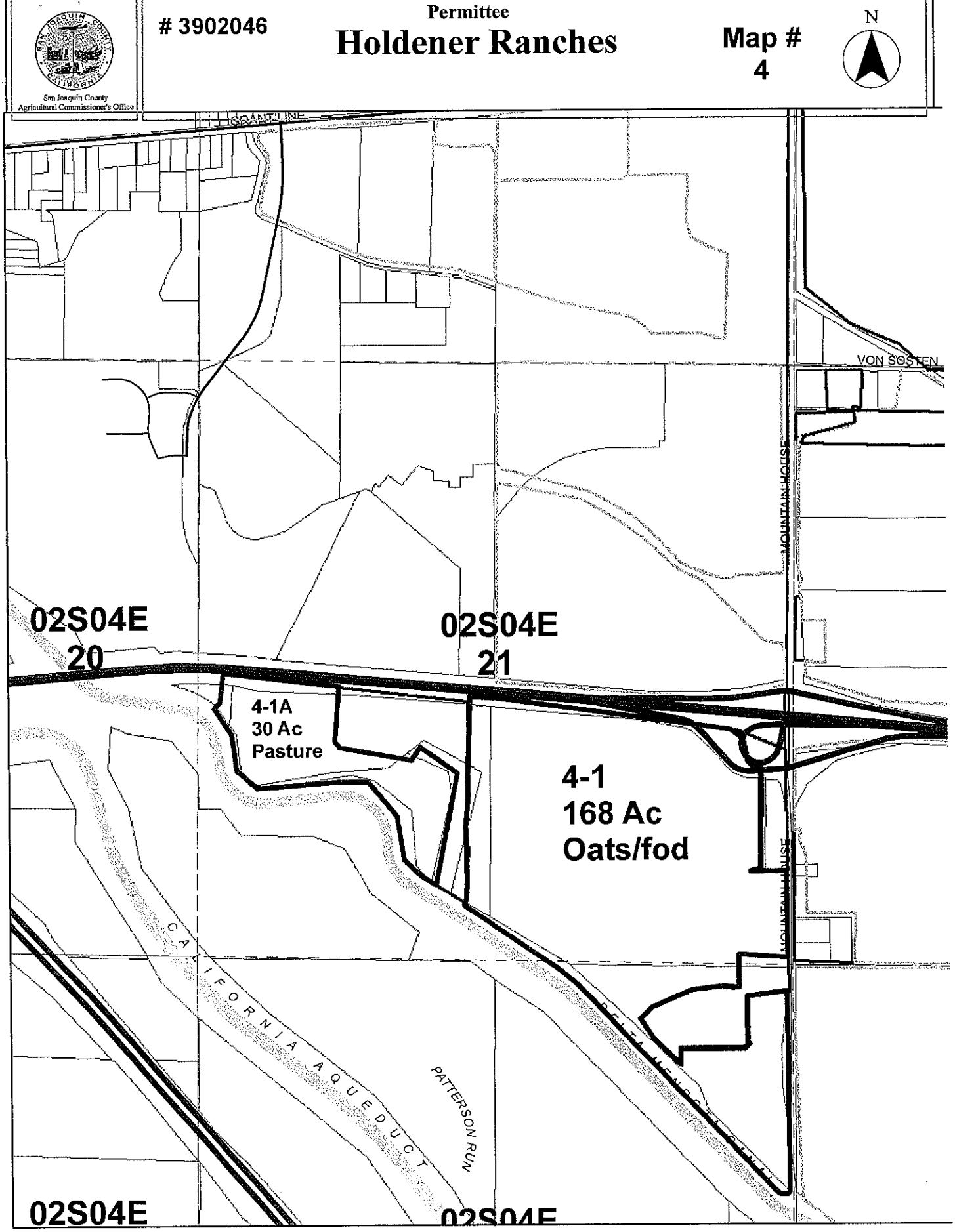


San Joaquin County
Agricultural Commissioner's Office

3902046

District I
Permittee
Holdener Ranches

Map # 4



SAN JOAQUIN COUNTY
2101 E EARHART. SUITE 100
STOCKTON, CA 95206-
Web:www.co.san-joaquin.ca.us/agcomm

Office: (209)953-6000 Fax: (209)953-6022 Recorder (NOI's): (209)953-6000

2010

RESTRICTED MATERIALS PERMIT

HOLDENER RANCHES
14400 WING LEVEE RD
STOCKTON CA 95206-969

ROBERT C HOLDENER
14400 S WING LEVEE RD
STOCKTON CA 95206

Permit Number: 39-10-3902046
County District #: 1
Expiration Date: December 31, 2010
Effective Date: February ~~22~~ 24, 2010

Home Phone:
Shop Phone:
Mobile Phone:
Fax:

Permittee Type: Private Applicator
Permit Type: Seasonal
Possession: Possession & Use

NOI Method of Submission:
Phone: X Fax: X Box:
In Person: X Web: X
NOI required 24 hours prior to application.

PA-3998953

Conditions: A,P,Q

See end of permit for code descriptions.

I understand that this permit does not relieve me from liability for any damages to any persons or property caused by the use of these pesticides. I waive any claims of liability for damages against the County Department of Agriculture based on the issuance of this permit. I further understand that this permit may be revoked when pesticides are used in conflict with the manufacturer's labeling or in violation of applicable laws, regulations and specific conditions of this permit. I authorize inspection at all reasonable times and whenever an emergency exists by the Department of Pesticide Regulation or the County Department of Agriculture of all areas treated or to be treated, storage facilities for pesticides or emptied containers and equipment used or to be used in the treatment.
I have considered alternatives and mitigation measures pursuant to Title 3, California Code of Regulations, section 6426. Taking into account economic, environmental, social, and technological factors, I have adopted those that are feasible and would substantially lessen any significant adverse impact on the environment.
[Form PR-ENF-125 (Rev. 11/08) Pesticide Enforcement Branch]

Permit Applicant: ROBERT C HOLDENER (Please Print) Signed:

Title: OWNER (Please Print) Issue Date: 2-24-10

Issuing Officer: Issue Date: 02/22/2010

Permitee: HOLDENER RANCHES | Permit Number: 39-10-3902046

Employees handle pesticides.

Contact Name	License#	Exp. Date	Phone Number	Contact Type
HOLDENER RANCHES	3902046			Grower-Permittee
HOLDENER,ROBERT C	3998953-00000	12/31/2012		Private Applicator Certificate

PERMIT PESTICIDES

Number	Pesticide	Pests	Forms	Methods	Applicators
1050	CARBARYL	LARVAE	All Reg.	Air Ground	PG
2000	DICAMBA	WEEDS	Liquid	Air Ground	PG
2300	DISULFOTON	APHIDS	All Reg.	Air Ground	PG
3830	METHOMYL	LARVAE	Liquid	Air Ground	PG
3940	METHYL PARATHION	LARVAE	All Reg.	Air Ground	PG
4720	PHORATE	APHIDS	All Reg.	Air Ground	PG
4840	ALUMINUM PHOSPHIDE	RODENTS	Fumigant	Other	PG
5540	STRYCHNINE	GOPHERS	Bait	Air Ground	PG
6260	ZINC PHOSPHIDE	RODENTS	Bait	Other	PG
7860	MCPA, DIMETHYLAMINE	WEEDS	Liquid	Air Ground	PG
8041	2,4-DB	WEEDS	Liquid	Air Ground	PG
9801	2,4-D AMINE	WEEDS	Liquid	Air Ground	PG
16011	PARAQUAT	WEEDS	Liquid	Air Ground	PG
16970	METHAMIDOPHOS	LARVAE	Liquid	Air Ground	PG

PERMIT COMMODITIES

Crop / Site	Location/Site Narrative/Site Conditions	District	Section / Quantity	Town / Units	Range	Meridian
ALFALFA (23001-0)						
3-10	BTWN WING LEVEE & MIDDLE RIVER	I	23 17.00	01S A	05E	M
	Site Conditions: P Q 1050 (CARBARYL), 3830 (METHOMYL), 5540 (STRYCHNINE), 8041 (2,4-DB), 16011 (PARAQUAT),					
3-11	BTWN WING LEVEE & MIDDLE RIVER MAP3 SITE 11	I	26 95.00	01S A	05E	M
	Site Conditions: P Q 1050 (CARBARYL), 3830 (METHOMYL), 5540 (STRYCHNINE), 8041 (2,4-DB), 16011 (PARAQUAT),					
3-11A	SOUTH OF UNDINE EAST OF WING LEVE MAP 3 FIELD 11A	I	26 15.00	01S A	05E	M
	Site Conditions: P Q 1050 (CARBARYL), 3830 (METHOMYL), 5540 (STRYCHNINE), 8041 (2,4-DB), 16011 (PARAQUAT),					
3-5	MAP 3 FIELD 7	I	14 74.00	01S A	05E	M
	Site Conditions: P Q 1050 (CARBARYL), 3830 (METHOMYL), 5540 (STRYCHNINE), 8041 (2,4-DB), 16011 (PARAQUAT),					
OAT FOR/FOD (22006-0)						
4-1	SW I-205 & PATTERSON PASS	J	21 168.00	02S A	04E	M
	Site Conditions: P Q 1050 (CARBARYL), 2000 (DICAMBA), 3830 (METHOMYL), 7860 (MCPA, DIMETHYLAMINE), 9801 (2,4-D AMINE), 16011 (PARAQUAT),					
PASTURELAND (28035-0)						
4-1A	S/I-205, W/MOUNTAINHOUSE PKWY	J	21 30.00	02S A	04E	M
	Site Conditions: P Q 9801 (2,4-D AMINE), 16011 (PARAQUAT),					
SOIL FUM/PREPLT (40008-0)						

SOIL FUM/PREPLT (40008-0)

3-10	BTWN WING LEVEE & MIDDLE RIVER	I	23	01S	05E	M
			17.00	A		

Site Conditions: P Q
4840 (ALUMINUM PHOSPHIDE), 5540 (STRYCHNINE), 6260 (ZINC PHOSPHIDE), 9801 (2,4-D AMINE), 16011 (PARAQUAT),

3-11	BTWN WING LEVEE & MIDDLE RIVER	I	26	01S	05E	M
			95.00	A		

Site Conditions: P Q
4840 (ALUMINUM PHOSPHIDE), 5540 (STRYCHNINE), 6260 (ZINC PHOSPHIDE), 9801 (2,4-D AMINE), 16011 (PARAQUAT),

3-11A	SOUTH OF UNDINE EAST OF WING LEVE MAP 3 FIELD 11A	I	26	01S	05E	M
			15.00	A		

Site Conditions: P Q
4840 (ALUMINUM PHOSPHIDE), 5540 (STRYCHNINE), 6260 (ZINC PHOSPHIDE), 9801 (2,4-D AMINE), 16011 (PARAQUAT),

3-5		I	14	01S	05E	M
	MAP 3 FIELD 7		74.00	A		

Site Conditions: P Q
4840 (ALUMINUM PHOSPHIDE), 5540 (STRYCHNINE), 6260 (ZINC PHOSPHIDE), 9801 (2,4-D AMINE), 16011 (PARAQUAT),

3-6	N/UNDINE RD. W/WING LEVEE RD UNION ISLAND	I	14	01S	05E	M
			50.00	A		

Site Conditions: P Q
4840 (ALUMINUM PHOSPHIDE), 5540 (STRYCHNINE), 6260 (ZINC PHOSPHIDE), 9801 (2,4-D AMINE), 16011 (PARAQUAT),

3-7		I	14	01S	05E	M
	MAP 3 FIELD 7		50.00	A		

Site Conditions: P Q
4840 (ALUMINUM PHOSPHIDE), 5540 (STRYCHNINE), 6260 (ZINC PHOSPHIDE), 9801 (2,4-D AMINE), 16011 (PARAQUAT),

4-1	SW I-205 & PATTERSON PASS	J	21	02S	04E	M
			168.00	A		

Site Conditions: P Q
4840 (ALUMINUM PHOSPHIDE), 5540 (STRYCHNINE), 6260 (ZINC PHOSPHIDE), 9801 (2,4-D AMINE), 16011 (PARAQUAT),

UNCUL NON-AG (67000-0)

UNCUL NON-AG (67000-0)

ALL	SW I-205 & PATTERSON PASS	J	21	02S	04E	M
			67.00	A		

Site Conditions: P Q
4840 (ALUMINUM PHOSPHIDE), 6260 (ZINC PHOSPHIDE), 9801 (2,4-D AMINE), 16011 (PARAQUAT),

WHEAT (29139-0)

3-6	N/UNDINE RD. W/WING LEVEE RD UNION ISLAND	I	14	01S	05E	M
			50.00	A		

Site Conditions: P Q
2000 (DICAMBA), 2300 (DISULFOTON), 4780 (PHORATE), 7860 (MCPA, DIMETHYLAMINE), 9801 (2,4-D AMINE), 16011 (PARAQUAT),

3-7	MAP 3 FIELD 7	I	14	01S	05E	M
			50.00	A		

Site Conditions: P Q
2000 (DICAMBA), 2300 (DISULFOTON), 4780 (PHORATE), 7860 (MCPA, DIMETHYLAMINE), 9801 (2,4-D AMINE), 16011 (PARAQUAT),

PAGE 02/03
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Jun 29 10 08:00a Torri Holdener
209-948-9666
p.1

APPLICATION - RESTRICTED MATERIALS PERMIT - SUPPLEMENT

Add crop & timing on site Holdener Ranches

PERMIT NO. 39529-6

PAGE NO.

LOCATION	SEC	TWN	RNG	MAP ID	COMMODITY	ACRES/ UNITS	PESTICIDES	PESTS	F*	M**	RATE	DILUTION/ VOLUME	APPL	DATE/ TIMING
7. 3-6	14	9S	8E	3	Wheat	50	Wheat	→						01/01/10- 5/31/10
8. 3-7	↓	↓	↓	↓	↓	50	↓							↓
9.														
10. 3-6	14	9S	8E	3	Corn Fod	50	Carbaryl	Worms						6/1/2010
11. 3-7	↓	↓	↓	↓	↓	50	Dicamba	B/L Weeds						12/31/10
12.							Disulfoton	Aphids						
13.							Methomyl	Worms						
14.							Methyl Parathion	Weevil						
15.							Phorate	Aphids						
16.							2,4-D Amine	B/L Weeds						
17.							Paraquat	Weeds						
18.														
19.														
20.														
21.														
22.														
23.														
24.														
25.														
26.														
27.														
28.														
29.														
30.														
31.														

*Formulation: L–Liquid B–Bait D–Dust F–Fumigant G–Granules WP–Wettable Powder O–Other

**Method: A–Air F–Fumigation Gr–Ground O–Other

APPLICANT SIGNATURE _____ DATE _____

ISSUED BY _____ DATE 6/29/10

DISTRIBUTION: WHITE & YELLOW - COUNTY AGRICULTURAL COMMISSIONER; PINK & GOLD - PERMITTEE

DSP 08 109802

STATE OF CALIFORNIA
DEPARTMENT OF PESTICIDE REGULATION
PR-ENF-12SA (REV. 10/07) Page 1 of 1

APPLICATION - RESTRICTED MATERIALS PERMIT - SUPPLEMENT

PERMIT NO. 3402956

PAGE NO.

Add crop & Δ timing on sites — Holdener Ranches

LOCATION	SEC	TWN	RNG	MAP ID	COMMODITY	ACRES/ UNITS	PESTICIDES	PESTS	F*	M**	RATE	DILUTION/ VOLUME	APPL	DATE/ TIMING
7. 3-6	14	09S	05E	3	Wheat	50	Wheat	→						01/01/10 – 5/31/10
8. 3-7	↓	↓	↓	↓	↓	50	↓							↓
9.														
10. 3-6	14	09S	05E	3	Corn Fod	50	Carbaryl	Worms						6/1/2010
11. 3-7	↓	↓	↓	↓	↓	50	Dicamba	B/L Weeds						12/31/10
12.							Di Sulfoton	Aphids						
13.							Methomyl	Worms						
14.							Methyl Parathion	Weevil						
15.							Phorate	Aphids						
16.							2,4-D Amine	B/L Weeds						
17.							Paraquat	Weeds						
18.														
19.														
20.														
21.														
22.														
23.														
24.														
25.														
26.														
27.														
28.														
29.														
30.														
31.														

*Formulation: L--Liquid B--Bait D--Dust F--Fumigant G--Granules WP--Wettable Powder O--Other

**Method: A--Air F--Fumigation Gr--Ground O--Other

APPLICANT SIGNATURE _____ DATE _____

ISSUED BY [signature] DATE 6/29/10

DISTRIBUTION: WHITE & YELLOW - COUNTY AGRICULTURAL COMMISSIONER; PINK & GOLD - PERMITTEE

OSP 08 109802

STATE OF CALIFORNIA
DEPARTMENT OF PESTICIDE REGULATION
PR-ENF-125A (REV. 10/07) Page 1 of 1

Description of Conditions on this Permit:

Condition ID	Description
A	Permit Cond.Table of Contents

A - PERMIT CONDITIONS - TABLE OF CONTENTS

WORKERS SAFETY SERIES ATTACHED

[ ] A-1 through A-11 General Information

PERMIT CONDITONS ATTACHED

[X] P - General
[ ] Q - Dicamba & Phenoxy Herbicides - Central Valley/Hazardous Area
[ ] R - Dicamba & Phenoxys - Special Hazardous Area
[ ] S - Metam Sodium & Metam Potassium
[ ] T - Aldicarb (Temik)
[ ] U - Endosulfan (Thiodan)
[ ] V - Rice Pesticides Program
    [ ] - Molinate (Ordram) Worker Safety (A)
    [ ] - Attachments 1-10: Molinate (1, 6), Thiobencarb (2,6,7), Methylparathion (3,9), Seepage Control (5), Propanil (10) and Malathion (voluntary: 4,8).
[ ] W - Methyl Bromide
    [ ] - Soil within greenhouses
    [ ] - Commodity
    [ ] - Soil injection
    [ ] - Tarped potting soil
    [ ] - Single tree site
[ ] X - Furadan chemigation of grapes
[ ] Y - 1, 3 - Dichloropropene
[ ] Z - Other

GROUNDWATER PROTECTION PERMIT CONDITIONS

These conditions apply to pesticides labeled for agricultural, outdoor industrial, or outdoor institutional use that contain chemicals listed in 3CCR section 6800(a): ATRAZINE, SIMAZINE, BROMACIL, DIURON (except products with less than 7% diuron applied to foliage), PROMETON, BENTAZON, AND NORFLURAZON. Ground Water Protection Areas (GWPA), for San Joaquin County, are designated in the Department of Pesticide Regulation document EH03-05.

A list of GWPAs may be obtained from the Commissioner's Office or DPR's website (www.cdpr.ca.gov/docs/gwp).

"Engineered rights of way" are defined as areas within a ground water protection area (GWPA) that are constructed in a way that results in increased runoff and collection of storm water, such as railroad ballasts and berms, public roadsides, and highway median strips or similar areas, but not canal or ditch banks or utility lines.

SPECIFIC GROUNDWATER PROTECTION PERMIT CONDITIONS ATTACHED

GWP-C & D Unlined canal and ditch banks
[ ] 1 - Percolation rate is less than or equal to 0.2 inches per hour
[ ] 2 - Applied six months prior to water run
[ ] 3 - All applications are prohibited below high water line

GWP-ROW Engineered rights-of-way within San Joaquin County GWPAs
[ ] 1A - Soil disturbance within 7 days
[ ] 1B - Incorporation
[ ] 1C - Applied between April 1 and July 31
[ ] 2 - Runoff passes through adjacent fully vegetated noncrop area
[ ] 3 - Compliance with NPDES permit

GWP-R Runoff GWPAs within San Joaquin County
[ ] 1 - Soil disturbance
[ ] 2 - Incorporated
[ ] 3 - Band treatment
[ ] 4 - Applied between April 1 and July 31
[ ] 5 - Runoff water held onsite
[ ] 6 - Runoff water stored offsite
[ ] 7 - Runoff to adjacent fallow field

GWP-L Leaching GWPAs within San Joaquin County
[ ] 1 - No irrigation
[ ] 2 - Bed or berm application
[ ] 3 - Managed irrigation

GWP-Director Director Approved Alternative Management Practices or Interim Use
[ ] 1 - Director approved alternative
[ ] 2 - Director approved interim use

Revised 10/04

P General

CONDITION - P - General

In addition to all applicable laws, regulations, label restrictions and other more restrictive conditions of this permit, THE FOLLOWING CONDITIONS APPLY TO APPLICATIONS COVERED BY THIS PERMIT.

1. Maximum wind velocities for applications of Restricted Materials unless otherwise covered by the label, law, regulation, other permit conditions or environmental conditions at the application site are:

   a. Spray - 12 m.p.h.
   b. Dust - 8 m.p.h.
   c. Pellets, granular or baits - 16 m.p.h.

2. No pesticide application shall be made or continued when there is the likelihood of contaminating any persons, non-target crops, animals or other public or private property.

3. Unless specifically named as a dust on this permit, NO DUST FORMULATIONS are allowed.

4. Apply pesticides covered by SLN(s) and Section 18(s) in conformance with the SLN(s) and Section 18(s).

5. A flagger is required at the application site for all AIR applications of Zinc Phosphide bait.

Revised 10/90

Q Dicamba & Phenoxy Herbicide CV

CONDITION - Q - DICAMBA AND PHENOXY HERBICIDES - CENTRAL VALLEY/HAZARDOUS AREA

In addition to all applicable laws, regulations and label restrictions, the CONDITIONS CHECKED BELOW APPLY to applications covered by this permit.

[X] 1. No ester formulation applications allowed.

[ ] 2. A smoke column is required at the application site for all Phenoxy and Dicamba applications by aircraft beginning March 16 and continuing through October 15.

[X] 3. Do not discharge material more than 10 feet above the crop or target.

[ ] 4. A drift reducing agent shall be added to the spray mixture at label rates.

[X] 5. Maximum wind velocity for Phenoxy herbicides - 10 m.p.h.

[X] 6. Maximum wind velocity for Dicamba - 10 m.p.h. EXCEPT when wind is moving in direction of sensitive crops, the maximum wind velocity - 5 m.p.h.

[ ] 7. No Dicamba application allowed in the vicinity of sensitive crops when the maximum temperature on the day of application is predicted to exceed 85 degrees fahrenheit. Predicted temperature for the following day will be determined by the 3:30 p.m. prediction by the National Weather Station - Stockton Airport.

[ ] 8. Dicamba applications by aircraft are restricted to a minimum distance of two (2) miles from the following susceptible crops: beans, grapes, sunflower, tomato, safflower, curcurbits, potatoes.

[ ] 9. Dicamba applications by ground are restricted to a minimm distance of 20 feet from the following susceptible crops: beans, safflower, tomato, curcurbits, potatoes and 1/4 mile from grapes and sunflowers.

[ ] 10. No Dicamba or Phenoxy herbicide applications allowed beginning March 16 and continuing through October 15, and until grape leaves in the vicinity of the treated area are "browned off".

Revised 10/90

Description of Custom Site Conditions

Condition ID	Long Description

*** LAST PAGE ***

San Joaquin County
Agricultural Commissioner's Office

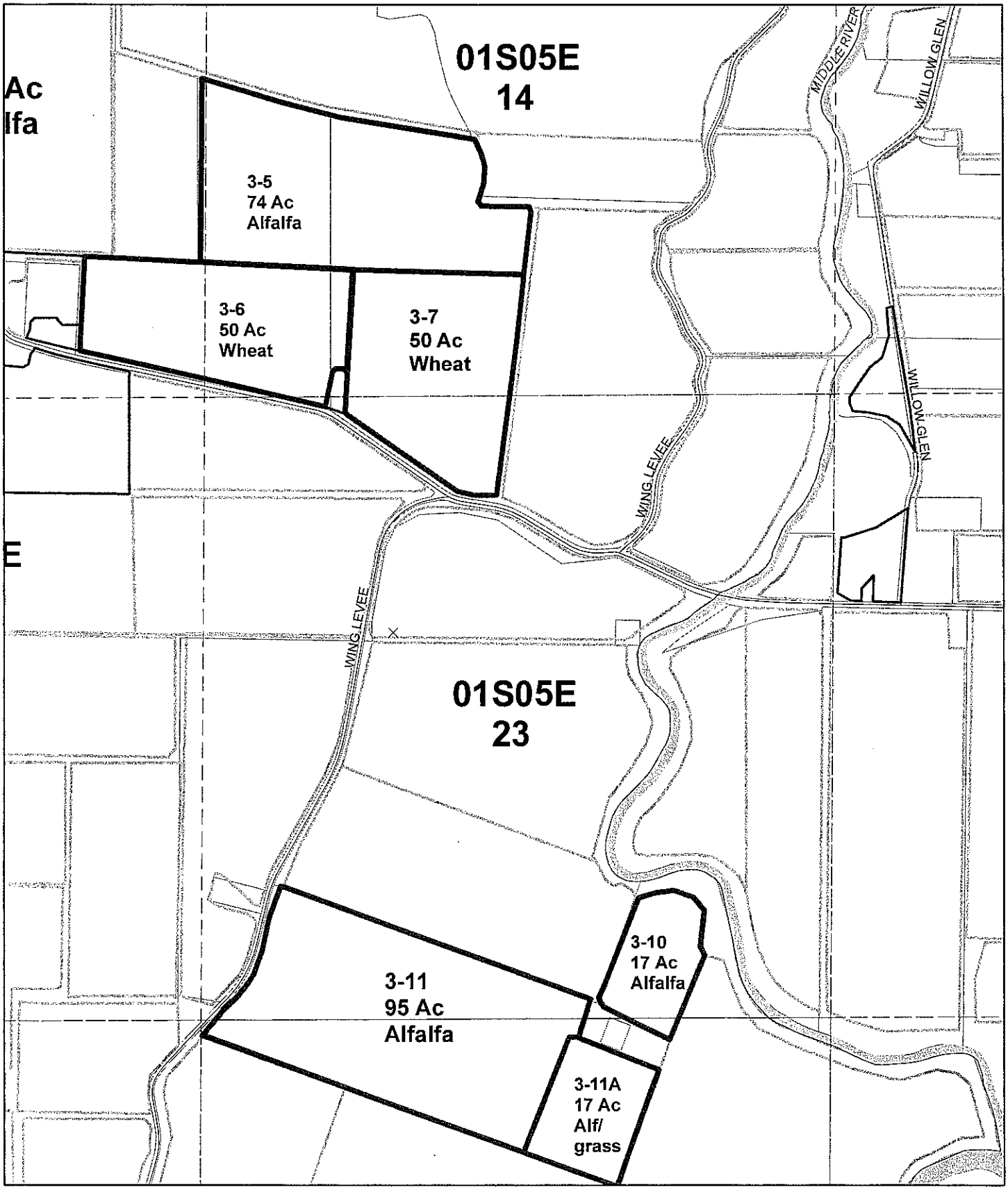
3902046

District I
Permittee

Holdener Ranches

Map # 3

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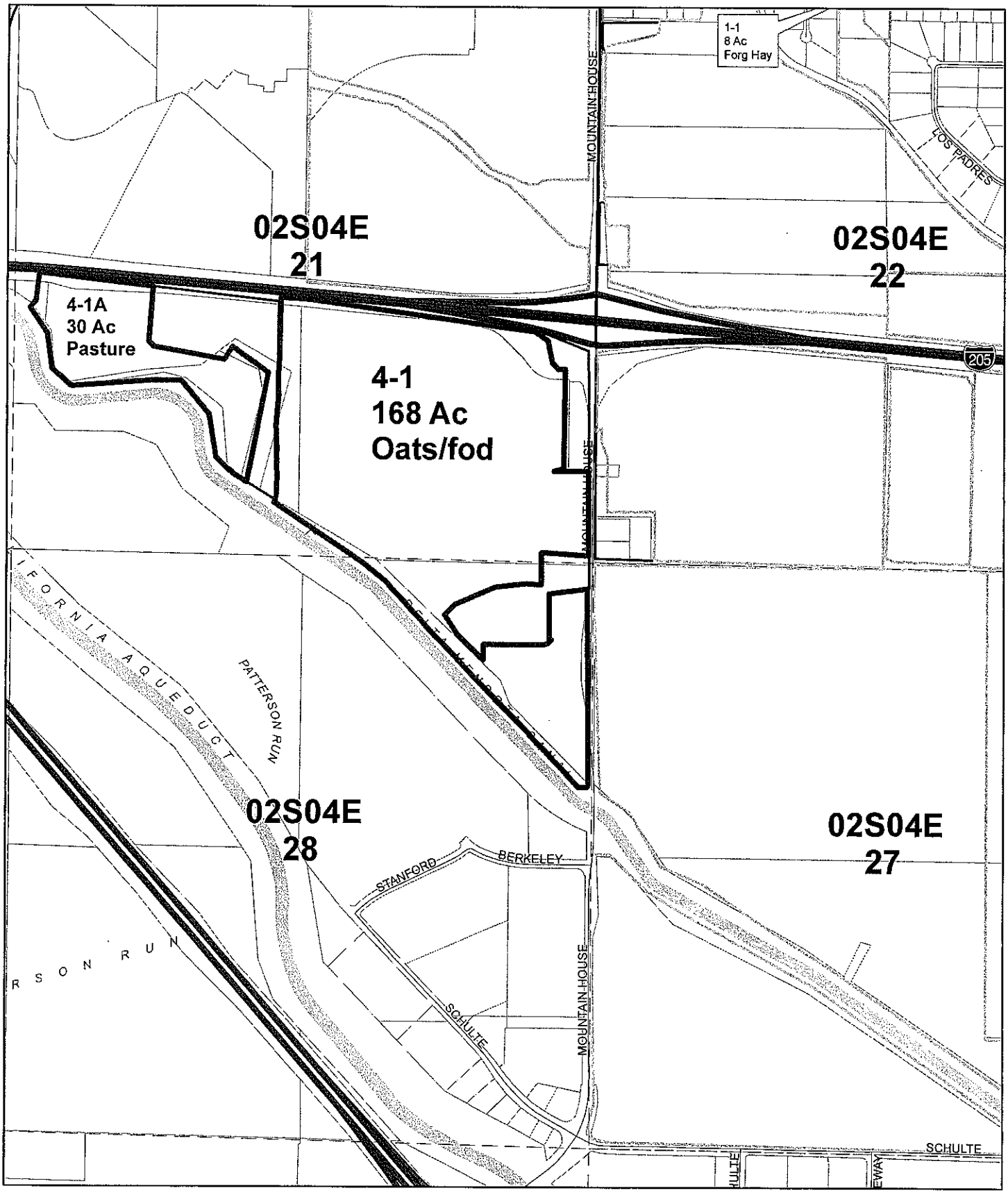
San Joaquin County
Agricultural Commissioner's Office

3902046

District I
Permittee

Holdener Ranches

Map # 4



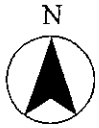
San Joaquin County
Agricultural Commissioner's Office

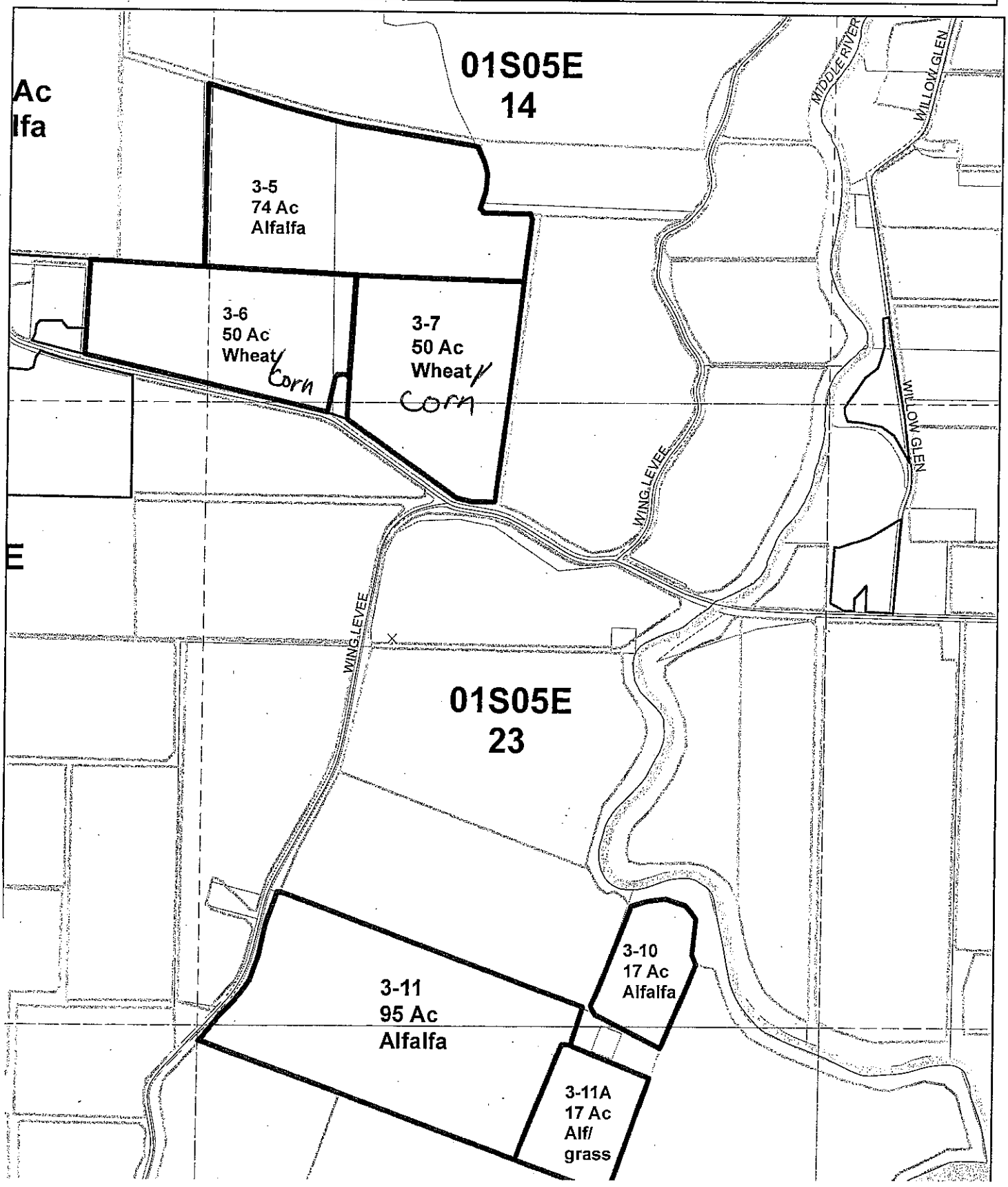
3902046

District I
Permittee

Holdener Ranches

Map # 3





SAN JOAQUIN COUNTY
2101 E EARHART, SUITE 100
STOCKTON, CA 95206-
Web:www.co.san-joaquin.ca.us/agcomm

Office: (209)953-6000 Fax: (209)953-6023 Recorder (NOI's): (209)953-6000

2009

RESTRICTED MATERIALS PERMIT

HOLDENER RANCHES
14400 WING LEVEE RD
STOCKTON CA 95206-969

ROBERT C HOLDENER
14400 S WING LEVEE RD
STOCKTON CA 95206

Permit Number: 39-09-3902046
County District #: I
Expiration Date: December 31, 2009
Effective Date: ~~January 1, 1999~~ Jan 7, 2009

Home Phone:
Shop Phone:
Mobile Phone:
Fax:

Permittee Type: Private Applicator
Permit Type: Seasonal
Possession: Possession & Use

NOI Method of Submission:

Phone: X Fax: X Box:
In Person: X Web: X Modem:

NOI required 24 hours prior to application.

PA-3998953

Conditions: A,P,Q

See end of permit for code descriptions.

I understand that this permit does not relieve me from liability for any damages to any persons or property caused by the use of these pesticides. I waive any claims of liability for damages against the County Department of Agriculture based on the issuance of this permit. I further understand that this permit may be revoked when pesticides are used in conflict with the manufacturer's labeling or in violation of applicable laws, regulations and specific conditions of this permit. I authorize inspection at all reasonable times and whenever an emergency exists by the Department of Pesticide Regulation or the County Department of Agriculture of all areas treated or to be treated, storage facilities for pesticides or emptied containers and equipment used or to be used in the treatment. I have considered alternatives and mitigation measures pursuant to Title 3, California Code of Regulations, section 6426. Taking into account economic, environmental, social, and technological factors, I have adopted those that are feasible and would substantially lessen any significant adverse impact on the environment.
[Form PR-ENF-125 (Rev. 11/06) Pesticide Enforcement Branch]

Permit Applicant: ROBERT C HOLDENER (Please Print) Signed: [signature]

Title: OWNER (Please Print) Issue Date: 1-7-09

Issuing Officer: Tom Dawson Issue Date: 12-18-2008

Employees handle pesticides.

Contact Name	License#	Exp. Date	Phone Number	Contact Type
HOLDENER RANCHES	3902046			Grower-Permittee
HOLDENER,ROBERT C	3998953-00000	12/31/2009		Pesticide Applicator Certified

PERMIT PESTICIDES

Number	Pesticide	Pests	Forms	Methods	Applicators
1050	CARBARYL	LARVAE	All Reg.	Air Ground	PG
1060	CARBOFURAN	NEMATODES	All Reg.	Air Ground	PG
2000	DICAMBA	WEEDS	Liquid	Air Ground	PG
2301	DI-SYSTON	APHIDS	Liquid	Air Ground	PG
3830	METHOMYL	LARVAE	Liquid	Air Ground	PG
3940	METHYL PARATHION	LARVAE	All Reg.	Air Ground	PG
4782	THIMET	APHIDS	Liquid	Air Ground	PG
4840	ALUMINUM PHOSPHIDE	RODENTS	Fumigant	Other	PG
5540	STRYCHNINE	GOPHERS	Bait	Air Ground	PG
6260	ZINC PHOSPHIDE	RODENTS	Bait	Other	PG
7860	MCPA, DIMETHYLAMINE	WEEDS	Liquid	Air Ground	PG
8041	2,4-DB	WEEDS	Liquid	Air Ground	PG
9801	2,4-D AMINE	WEEDS	Liquid	Air Ground	PG
16011	PARAQUAT	WEEDS	Liquid	Air Ground	PG
16970	METHAMIDOPHOS	LARVAE	Liquid	Air Ground	PG

PERMIT COMMODITIES

Crop / Site	Location/Site Narrative/Site Conditions	District	Section / Quantity	Town / Units	Range	Meridian
ALFALFA (23001-0)						
3-10	BTWN WING LEVEE & MIDDLE RIVER	I	23 17.00	01S A	05E	M
	Site Conditions: P Q 1050 (CARBARYL), 1060 (CARBOFURAN), 3830 (METHOMYL), 5540 (STRYCHNINE), 8041 (2,4-DB), 16011 (PARAQUAT),					
3-11	BTWN WING LEVEE & MIDDLE RIVER MAP3 SITE 11	I	26 95.00	01S A	05E	M
	Site Conditions: P Q 1050 (CARBARYL), 1060 (CARBOFURAN), 3830 (METHOMYL), 5540 (STRYCHNINE), 8041 (2,4-DB), 16011 (PARAQUAT),					
3-11A	SOUTH OF UNDINE EAST OF WING LEVE MAP 3 FIELD 11A	I	26 15.00	01S A	05E	M
	Site Conditions: P Q 1050 (CARBARYL), 1060 (CARBOFURAN), 3830 (METHOMYL), 5540 (STRYCHNINE), 8041 (2,4-DB), 16011 (PARAQUAT),					

ALFALFA (23001-0)

3-12	BTWN WING LEVEE & MIDDLE RIVER	I	26	01S	05E	M
			90.00	A		

Site Conditions: P Q
1050 (CARBARYL), 1060 (CARBOFURAN), 3830 (METHOMYL), 5540 (STRYCHNINE), 8041 (2,4-DB), 16011 (PARAQUAT),

3-6	N/UNDINE RD. W/WING LEVEE RD UNION ISLAND	I	14	01S	05E	M
			50.00	A		

Site Conditions: P Q
1050 (CARBARYL), 1060 (CARBOFURAN), 3830 (METHOMYL), 5540 (STRYCHNINE), 8041 (2,4-DB), 16011 (PARAQUAT),

3-7	MAP 3 FIELD 7	I	14	01S	05E	M
			50.00	A		

Site Conditions: P Q
1050 (CARBARYL), 1060 (CARBOFURAN), 3830 (METHOMYL), 5540 (STRYCHNINE), 8041 (2,4-DB), 16011 (PARAQUAT),

OAT FOR/FOD (22006-0)

4-1	SW I-205 & PATTERSON PASS	J	21	02S	04E	M
			168.00	A		

Site Conditions: P Q
1050 (CARBARYL), 2000 (DICAMBA), 3830 (METHOMYL), 7860 (MCPA, DIMETHYLAMINE), 9801 (2,4-D AMINE), 16011 (PARAQUAT),

4-2	SE I-205 & PATTERSON PASS	J	22	02S	04E	M
			110.30	A		

Site Conditions: P Q
1050 (CARBARYL), 2000 (DICAMBA), 3830 (METHOMYL), 7860 (MCPA, DIMETHYLAMINE), 9801 (2,4-D AMINE), 16011 (PARAQUAT),

PASTURELAND (28035-0)

4-1A	S/I-205, W/MOUNTAINHOUSE PKWY	J	21	02S	04E	M
			30.00	A		

Site Conditions: P Q
9801 (2,4-D AMINE), 16011 (PARAQUAT),

SOIL FUM/PREPLT (40008-0)

3-10	BTWN WING LEVEE & MIDDLE RIVER	I	23	01S	05E	M
			17.00	A		

Site Conditions: P Q
4840 (ALUMINUM PHOSPHIDE), 5540 (STRYCHNINE), 6260 (ZINC PHOSPHIDE), 9801 (2,4-D AMINE), 16011 (PARAQUAT),

SOIL FUM/PREPLT (40008-0)

3-11	BTWN WING LEVEE & MIDDLE RIVER	I	26	01S	05E	M
			95.00	A		

Site Conditions: P Q
4840 (ALUMINUM PHOSPHIDE), 5540 (STRYCHNINE), 6260 (ZINC PHOSPHIDE), 9801 (2,4-D AMINE), 16011 (PARAQUAT),

3-11A	SOUTH OF UNDINE EAST OF WING LEVE MAP 3 FIELD 11A	I	26	01S	05E	M
			15.00	A		

Site Conditions: P Q
4840 (ALUMINUM PHOSPHIDE), 5540 (STRYCHNINE), 6260 (ZINC PHOSPHIDE), 9801 (2,4-D AMINE), 16011 (PARAQUAT),

3-12	BTWN WING LEVEE & MIDDLE RIVER	I	26	01S	05E	M
			90.00	A		

Site Conditions: P Q
4840 (ALUMINUM PHOSPHIDE), 5540 (STRYCHNINE), 6260 (ZINC PHOSPHIDE), 9801 (2,4-D AMINE), 16011 (PARAQUAT),

3-6	N/UNDINE RD. W/WING LEVEE RD UNION ISLAND	I	14	01S	05E	M
			50.00	A		

Site Conditions: P Q
4840 (ALUMINUM PHOSPHIDE), 5540 (STRYCHNINE), 6260 (ZINC PHOSPHIDE), 9801 (2,4-D AMINE), 16011 (PARAQUAT),

3-7		I	14	01S	05E	M
	MAP 3 FIELD 7		50.00	A		

Site Conditions: P Q
4840 (ALUMINUM PHOSPHIDE), 5540 (STRYCHNINE), 6260 (ZINC PHOSPHIDE), 9801 (2,4-D AMINE), 16011 (PARAQUAT),

4-1	SW I-205 & PATTERSON PASS	J	21	02S	04E	M
			168.00	A		

Site Conditions: P Q
4840 (ALUMINUM PHOSPHIDE), 5540 (STRYCHNINE), 6260 (ZINC PHOSPHIDE), 9801 (2,4-D AMINE), 16011 (PARAQUAT),

4-2	SE I-205 & PATTERSON PASS	J	22	02S	04E	M
			110.30	A		

Site Conditions: P Q
4840 (ALUMINUM PHOSPHIDE), 5540 (STRYCHNINE), 6260 (ZINC PHOSPHIDE), 9801 (2,4-D AMINE), 16011 (PARAQUAT),

UNCUL NON-AG (67000-0)

ALL	SW I-205 & PATTERSON PASS	J	21	02S	04E	M
			67.00	A		

Site Conditions: P Q
4840 (ALUMINUM PHOSPHIDE), 6260 (ZINC PHOSPHIDE), 9801 (2,4-D AMINE), 16011 (PARAQUAT),

Description of Conditions on this Permit:

Condition ID	Description
A	Permit Cond.Table of Contents

A - PERMIT CONDITIONS - TABLE OF CONTENTS

WORKERS SAFETY SERIES ATTACHED

[ ] A-1 through A-11 General Information

PERMIT CONDITONS ATTACHED

[X] P - General
[X] Q - Dicamba & Phenoxy Herbicides - Central Valley/Hazardous Area
[ ] R - Dicamba & Phenoxys - Special Hazardous Area
[ ] S - Metam Sodium & Metam Potassium
[ ] T - Aldicarb (Temik)
[ ] U - Endosulfan (Thiodan)
[ ] V - Rice Pesticides Program
    [ ] - Molinate (Ordram) Worker Safety (A)
    [ ] - Attachments 1-10: Molinate (1, 6), Thiobencarb (2,6,7), Methylparathion (3,9), Seepage Control (5), Propanil (10) and Malathion (voluntary: 4,8).
[ ] W - Methyl Bromide
    [ ] - Soil within greenhouses
    [ ] - Commodity
    [ ] - Soil injection
    [ ] - Tarped potting soil
    [ ] - Single tree site
[ ] X - Furadan chemigation of grapes
[ ] Y - 1, 3 - Dichloropropene
[ ] Z - Other

GROUNDWATER PROTECTION PERMIT CONDITIONS

These conditions apply to pesticides labeled for agricultural, outdoor industrial, or outdoor institutional use that contain chemicals listed in 3CCR section 6800(a): ATRAZINE, SIMAZINE, BROMACIL, DIURON (except products with less than 7% diuron applied to foliage), PROMETON, BENTAZON, AND NORFLURAZON. Ground Water Protection Areas (GWPA), for San Joaquin County, are designated in the Department of Pesticide Regulation document EH03-05.

A list of GWPAs may be obtained from the Commissioner's Office or DPR's website (www.cdpr.ca.gov/docs/gwp).

"Engineered rights of way" are defined as areas within a ground water protection area (GWPA) that are constructed in a way that results in increased runoff and collection of storm water, such as railroad ballasts and berms, public roadsides, and highway median strips or similar areas, but not canal or ditch banks or utility lines.

SPECIFIC GROUNDWATER PROTECTION PERMIT CONDITIONS ATTACHED

GWP-C & D Unlined canal and ditch banks
[ ] 1 - Percolation rate is less than or equal to 0.2 inches per hour
[ ] 2 - Applied six months prior to water run
[ ] 3 - All applications are prohibited below high water line

GWP-ROW Engineered rights-of-way within San Joaquin County GWPAs
[ ] 1A - Soil disturbance within 7 days
[ ] 1B - Incorporation
[ ] 1C - Applied between April 1 and July 31
[ ] 2 - Runoff passes through adjacent fully vegetated noncrop area
[ ] 3 - Compliance with NPDES permit

GWP-R Runoff GWPAs within San Joaquin County
[ ] 1 - Soil disturbance
[ ] 2 - Incorporated
[ ] 3 - Band treatment
[ ] 4 - Applied between April 1 and July 31
[ ] 5 - Runoff water held onsite
[ ] 6 - Runoff water stored offsite
[ ] 7 - Runoff to adjacent fallow field

GWP-L Leaching GWPAs within San Joaquin County
[ ] 1 - No irrigation
[ ] 2 - Bed or berm application
[ ] 3 - Managed irrigation

GWP-Director Director Approved Alternative Management Practices or Interim Use
[ ] 1 - Director approved alternative
[ ] 2 - Director approved interim use

Revised 10/04

P General

CONDITION - P - General

In addition to all applicable laws, regulations, label restrictions and other more restrictive conditions of this permit, THE FOLLOWING CONDITIONS APPLY TO APPLICATIONS COVERED BY THIS PERMIT.

1. Maximum wind velocities for applications of Restricted Materials unless otherwise covered by the label, law, regulation, other permit conditions or environmental conditions at the application site are:

   a. Spray - 12 m.p.h.
   b. Dust - 8 m.p.h.
   c. Pellets, granular or baits - 16 m.p.h.

2. No pesticide application shall be made or continued when there is the likelihood of contaminating any persons, non-target crops, animals or other public or private property.

3. Unless specifically named as a dust on this permit, NO DUST FORMULATIONS are allowed.

4. Apply pesticides covered by SLN(s) and Section 18(s) in conformance with the SLN(s) and Section 18(s).

5. A flagger is required at the application site for all AIR applications of Zinc Phosphide bait.

Revised 10/90

Q Dicamba & Phenoxy Herbicide CV

CONDITION - Q - DICAMBA AND PHENOXY HERBICIDES - CENTRAL VALLEY/HAZARDOUS AREA

In addition to all applicable laws, regulations and label restrictions, the CONDITIONS CHECKED BELOW APPLY to applications covered by this permit.

[X] 1. No ester formulation applications allowed.

[ ] 2. A smoke column is required at the application site for all Phenoxy and Dicamba applications by aircraft beginning March 16 and continuing through October 15.

[X] 3. Do not discharge material more than 10 feet above the crop or target.

[ ] 4. A drift reducing agent shall be added to the spray mixture at label rates.

[X] 5. Maximum wind velocity for Phenoxy herbicides - 10 m.p.h.

[X] 6. Maximum wind velocity for Dicamba - 10 m.p.h. EXCEPT when wind is moving in direction of sensitive crops, the maximum wind velocity - 5 m.p.h.

[ ] 7. No Dicamba application allowed in the vicinity of sensitive crops when the maximum temperature on the day of application is predicted to exceed 85 degrees fahrenheit. Predicted temperature for the following day will be determined by the 3:30 p.m. prediction by the National Weather Station - Stockton Airport.

[ ] 8. Dicamba applications by aircraft are restricted to a minimum distance of two (2) miles from the following susceptible crops: beans, grapes, sunflower, tomato, safflower, curcurbits, potatoes.

[ ] 9. Dicamba applications by ground are restricted to a minimm distance of 20 feet from the following susceptible crops: beans, safflower, tomato, curcurbits, potatoes and 1/4 mile from grapes and sunflowers.

[ ] 10. No Dicamba or Phenoxy herbicide applications allowed beginning March 16 and continuing through October 15, and until grape leaves in the vicinity of the treated area are "browned off".

Revised 10/90

Description of Custom Site Conditions

Condition ID	Long Description

*** LAST PAGE ***

San Joaquin County
Agricultural Commissioner's Office

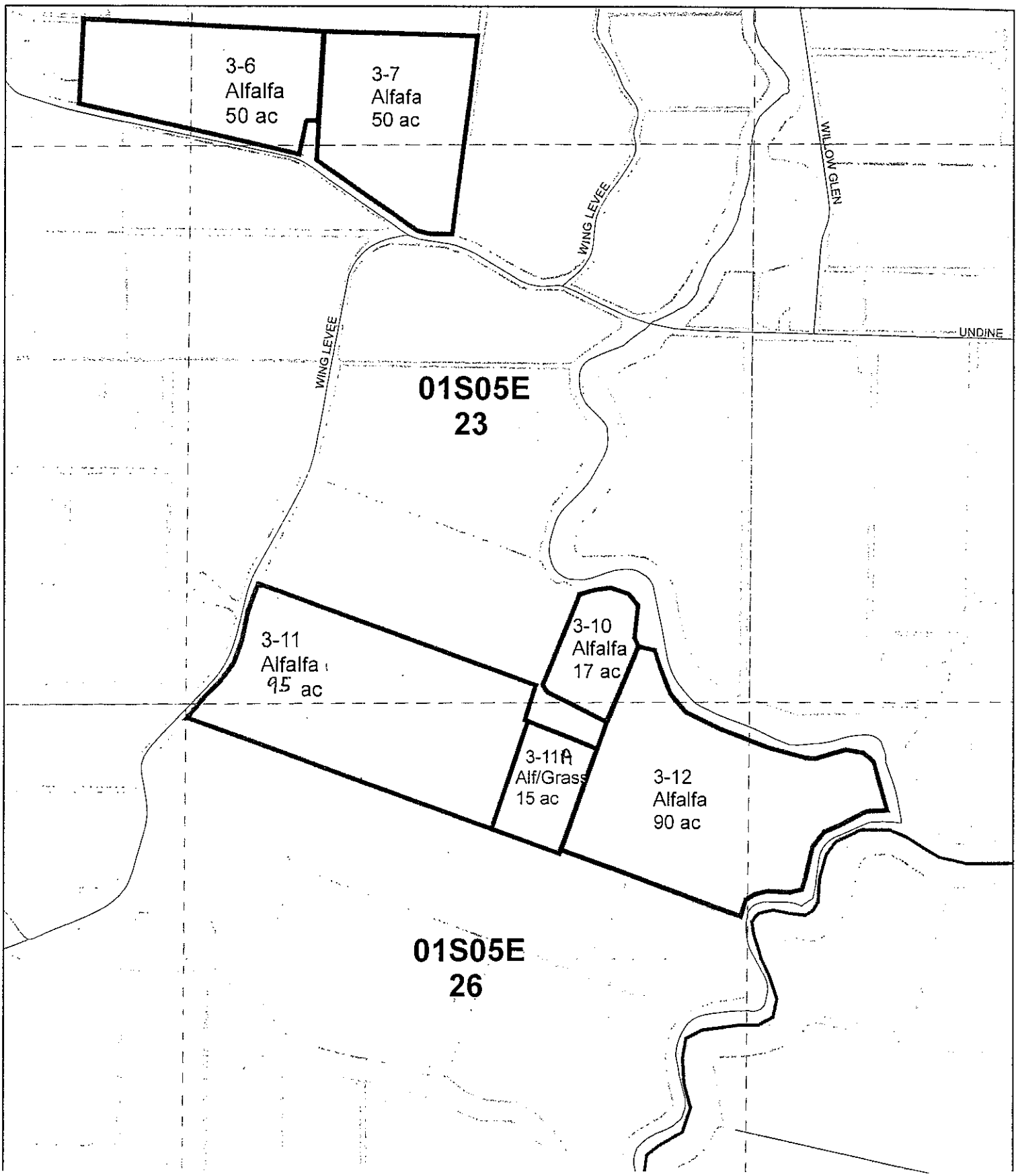
Permit # 3902046

District I

Permittee
Holdener Ranches

MAP #3

N



San Joaquin County
Agricultural Commissioner's Office

Permit # 3902046

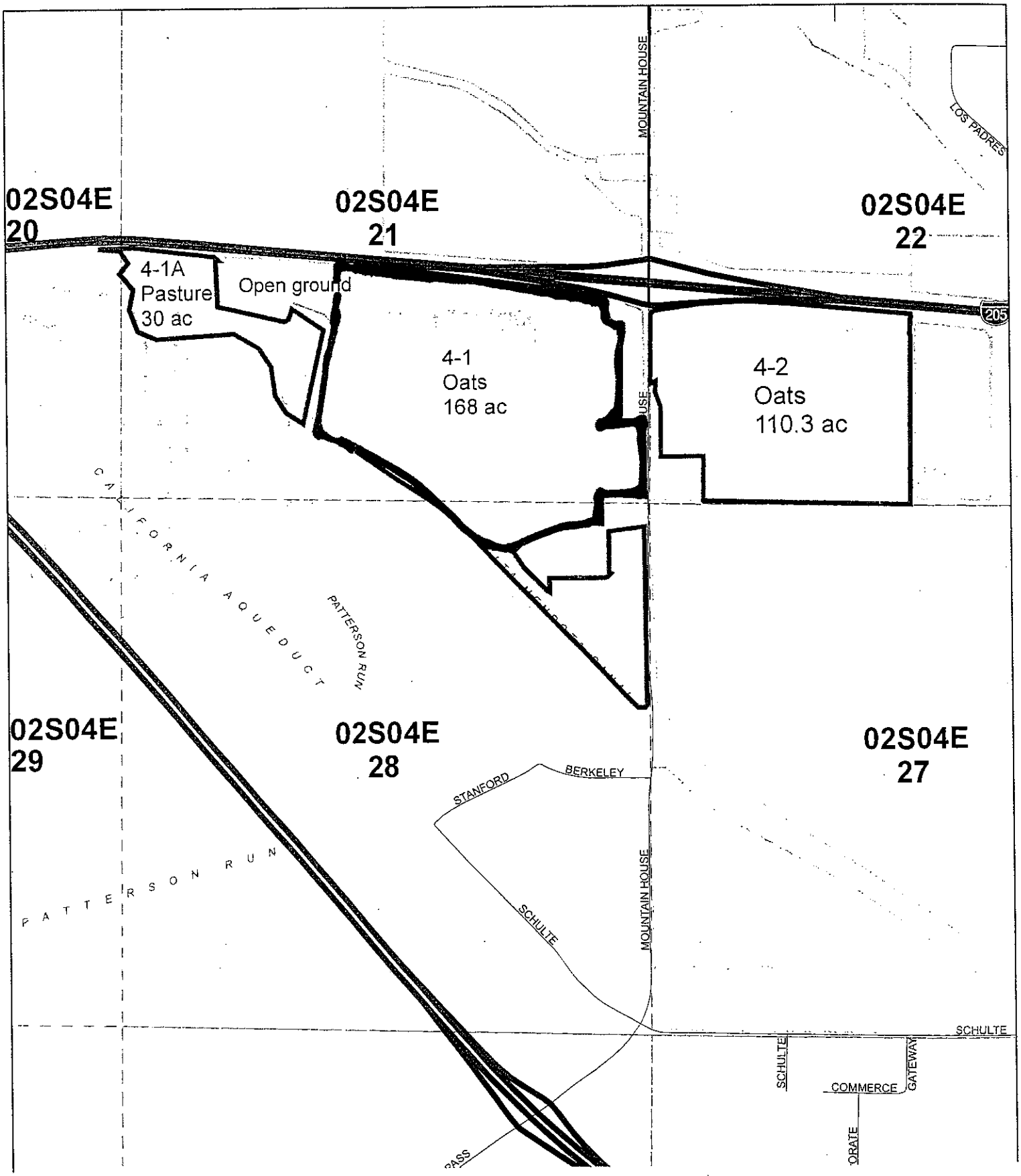
District J

Permittee

Holdener Ranches

MAP #4

N



SAN JOAQUIN COUNTY
1868 E. HAZELTON AVENUE
STOCKTON, CA 95205-

Web:www.co.san-joaquin.ca.us/agcomm

Office: (209)468-3300 Fax: (209)468-3330 Recorder (NOI's): (209)468-3300

RESTRICTED MATERIALS PERMIT

HOLDENER RANCHES
14400 WING LEVEE RD
STOCKTON, CA 95206-969

Permit Number: 39-08-3902046
County District #: I
Expiration Date: December 31, 2008
Effective Date: January 01, 1990 2008 PP

ROBERT C HOLDENER
14400 S WING LEVEE RD
STOCKTON, CA 95206

Home Phone:
Shop Phone:
Mobile Phone:
Fax:

Permittee Type: Private Applicator
Permit Type: Seasonal
Possession: Possession & Use

NOI Method of Submission:
Phone: X Fax: X Box:
In Person: X Modem: Web: X
NOI required 24 hours prior to application.

PA-3998953

Conditions: A, P, Q
See end of permit for code descriptions.

I understand that this permit does not relieve me from liability for any damages to any persons or property caused by the use of these pesticides. I waive any claims of liability for damages against the County Department of Agriculture based on the issuance of this permit. I further understand that this permit may be revoked when pesticides are used in conflict with the manufacturer's labeling or in violation of applicable laws, regulations and specific conditions of this permit. I authorize inspection at all reasonable times and whenever an emergency exists by the Department of Pesticide Regulation or the County Department of Agriculture of all areas treated or to be treated, storage facilities for pesticides or emptied containers and equipment used or to be used in the treatment. I have considered alternatives and mitigation measures pursuant to Title 3, California Code of Regulations, section 6426. Taking into account economic, environmental, social, and technological factors, I have adopted those that are feasible and would substantially lessen any significant adverse impact on the environment.
[Form PR-ENF-125 (Rev. 11/06) Pesticide Enforcement Branch]

Permit Applicant: ROBERT C HOLDENER (Please Print) Signed: Robert C Holdener

Title: OWNER (Please Print) Issue Date: 12/31/07

Issuing Officer: [signature] Issue Date: 12/31/07

Permitee:HOLDENER RANCHES

Permit Number: 39-08-3902046

Employees handle pesticides.

Contact Name	License#	Code	Exp. Date	Phone Number	Contact Type
HOLDENER RANCHES	3902046			(	Grower-Permittee
HOLDENER,ROBERT C	3998953	00000			Pesticide Applicator Certified

PERMIT PESTICIDES

Number	Pesticide	Pests	Forms	Methods	Applicators
1050	CARBARYL	LARVAE	All Reg.	Air Ground	PG
1060	CARBOFURAN	NEMATODES	All Reg.	Air Ground	PG
2000	DICAMBA	WEEDS	Liquid	Air Ground	PG
2301	DI-SYSTON	APHIDS	Liquid	Air Ground	PG
3830	METHOMYL	LARVAE	Liquid	Air Ground	PG
3940	METHYL PARATHION	LARVAE	All Reg.	Air Ground	PG
4782	THIMET	APHIDS	Liquid	Air Ground	PG
4840	ALUMINUM PHOSPHIDE	RODENTS	Fumigant	Other	PG
5540	STRYCHNINE	GOPHERS	Bait	Air Ground	PG
6260	ZINC PHOSPHIDE	RODENTS	Bait	Other	PG
7860	MCPA, DIMETHYLAMINE	WEEDS	Liquid	Air Ground	PG
8041	2,4-DB	WEEDS	Liquid	Air Ground	PG
9801	2,4-D AMINE	WEEDS	Liquid	Air Ground	PG
16011	PARAQUAT	WEEDS	Liquid	Air Ground	PG
16970	METHAMIDOPHOS	LARVAE	Liquid	Air Ground	PG

PERMIT COMMODITIES

Crop / Site	Location/Site Narrative/Site Conditions	District	Section / Quantity	Town / Units	Range	Meridian
ALFALFA (23001-0)						
3-10	BTWN WING LEVEE & MIDDLE RIVER	I	23 17.00	01S A	05E	M
	Site Conditions: P Q 1050 (CARBARYL), 1060 (CARBOFURAN), 3830 (METHOMYL), 5540 (STRYCHNINE), 8041 (2,4-DB), 16011 (PARAQUAT),					
3-11	BTWN WING LEVEE & MIDDLE RIVER MAP3 SITE 11	I	26 110.00	01S A	05E	M
	Site Conditions: P Q					
3-11A	SOUTH OF UNDINE EAST OF WING LEVE MAP 3 FIELD 11A	I	26 15.00	01S A	05E	M
	Site Conditions: P Q 1050 (CARBARYL), 3830 (METHOMYL), 5540 (STRYCHNINE), 8041 (2,4-DB), 16011 (PARAQUAT),					

Permitee:HOLDENER RANCHES Permit Number: 39-08-3902046

ALFALFA (23001-0)

3-12	BTWN WING LEVEE & MIDDLE RIVER	I	26	01S	05E	M
			90.00	A		

Site Conditions: P Q
1050 (CARBARYL), 3830 (METHOMYL), 5540 (STRYCHNINE), 8041 (2,4-DB), 16011 (PARAQUAT),

3-6	N/UNDINE RD. W/WING LEVEE RD UNION ISLAND	I	14	01S	05E	M
			50.00	A		

Site Conditions: P Q
1050 (CARBARYL), 3830 (METHOMYL), 5540 (STRYCHNINE), 8041 (2,4-DB), 16011 (PARAQUAT),

3-7	MAP 3 FIELD 7	I	14	01S	05E	M
			50.00	A		

Site Conditions: P Q
1050 (CARBARYL), 3830 (METHOMYL), 5540 (STRYCHNINE), 8041 (2,4-DB), 16011 (PARAQUAT),

OAT FOR/FOD (22006-0)

4-1	SW I-205 & PATTERSON PASS	J	21	02S	04E	M
			168.00	A		

Site Conditions: P Q
1050 (CARBARYL), 2000 (DICAMBA), 3830 (METHOMYL), 7860 (MCPA, DIMETHYLAMINE), 9801 (2,4-D AMINE), 16011 (PARAQUAT),

4-2	SE I-205 & PATTERSON PASS	J	22	02S	04E	M
			110.30	A		

Site Conditions: P Q
1050 (CARBARYL), 2000 (DICAMBA), 3830 (METHOMYL), 7860 (MCPA, DIMETHYLAMINE), 9801 (2,4-D AMINE), 16011 (PARAQUAT),

PASTURELAND (28035-0)

4-1A	S/I-205, W/MOUNTAINHOUSE PKWY	J	21	02S	04E	M
			30.00	A		

Site Conditions: P Q
9801 (2,4-D AMINE), 16011 (PARAQUAT),

SOIL FUM/PREPLT (40008-0)

3-10	BTWN WING LEVEE & MIDDLE RIVER	I	23	01S	05E	M
			17.00	A		

Site Conditions: P Q
4840 (ALUMINUM PHOSPHIDE), 5540 (STRYCHNINE), 6260 (ZINC PHOSPHIDE), 9801 (2,4-D AMINE), 16011 (PARAQUAT),

Permitee:HOLDENER RANCHES Permit Number: 39-08-3902046

SOIL FUM/PREPLT (40008-0)

3-11	BTWN WING LEVEE & MIDDLE RIVER	I	26	01S	05E	M
			110.00	A		

Site Conditions: P Q
4840 (ALUMINUM PHOSPHIDE), 5540 (STRYCHNINE), 6260 (ZINC PHOSPHIDE), 9801 (2,4-D AMINE), 16011 (PARAQUAT),

3-11A	SOUTH OF UNDINE EAST OF WING LEVE MAP 3 FIELD 11A	I	26	01S	05E	M
			15.00	A		

Site Conditions: P Q
4840 (ALUMINUM PHOSPHIDE), 5540 (STRYCHNINE), 6260 (ZINC PHOSPHIDE), 9801 (2,4-D AMINE), 16011 (PARAQUAT),

3-12	BTWN WING LEVEE & MIDDLE RIVER	I	26	01S	05E	M
			90.00	A		

Site Conditions: P Q
4840 (ALUMINUM PHOSPHIDE), 5540 (STRYCHNINE), 6260 (ZINC PHOSPHIDE), 9801 (2,4-D AMINE), 16011 (PARAQUAT),

3-6	N/UNDINE RD. W/WING LEVEE RD UNION ISLAND	I	14	01S	05E	M
			50.00	A		

Site Conditions: P Q
4840 (ALUMINUM PHOSPHIDE), 5540 (STRYCHNINE), 6260 (ZINC PHOSPHIDE), 9801 (2,4-D AMINE), 16011 (PARAQUAT),

3-7		I	14	01S	05E	M
	MAP 3 FIELD 7		50.00	A		

Site Conditions: P Q
4840 (ALUMINUM PHOSPHIDE), 5540 (STRYCHNINE), 6260 (ZINC PHOSPHIDE), 9801 (2,4-D AMINE), 16011 (PARAQUAT),

4-1	SW I-205 & PATTERSON PASS	J	21	02S	04E	M
			168.00	A		

Site Conditions: P Q
4840 (ALUMINUM PHOSPHIDE), 5540 (STRYCHNINE), 6260 (ZINC PHOSPHIDE), 9801 (2,4-D AMINE), 16011 (PARAQUAT),

4-2	SE I-205 & PATTERSON PASS	J	22	02S	04E	M
			110.30	A		

Site Conditions: P Q
4840 (ALUMINUM PHOSPHIDE), 5540 (STRYCHNINE), 6260 (ZINC PHOSPHIDE), 9801 (2,4-D AMINE), 16011 (PARAQUAT),

UNCUL NON-AG (67000-0)

UNCUL NON-AG (67000-0)

ALL	SW I-205 & PATTERSON PASS	J	21	02S	04E	M
			67.00	A		

Site Conditions: P Q
4840 (ALUMINUM PHOSPHIDE), 6260 (ZINC PHOSPHIDE), 9801 (2,4-D AMINE), 16011 (PARAQUAT),

Permitee:HOLDENER RANCHES Permit Number: 39-08-3902046

Decription of Conditions on this Permit:

Condition ID	Description
A	**Permit Cond.Table of Contents**

A - PERMIT CONDITIONS - TABLE OF CONTENTS

WORKERS SAFETY SERIES ATTACHED

[ ] A-1 through A-11 General Information

PERMIT CONDITONS ATTACHED

[X] P - General
[ ] Q - Dicamba & Phenoxy Herbicides - Central Valley/Hazardous Area
[ ] R - Dicamba & Phenoxys - Special Hazardous Area
[ ] S - Metam Sodium & Metam Potassium
[ ] T - Aldicarb (Temik)
[ ] U - Endosulfan (Thiodan)
[ ] V - Rice Pesticides Program
  [ ] - Molinate (Ordram) Worker Safety (A)
  [ ] - Attachments 1-10: Molinate (1, 6), Thiobencarb (2,6,7), Methylparathion (3,9), Seepage Control (5), Propanil (10) and Malathion (voluntary: 4,8).
[ ] W - Methyl Bromide
  [ ] - Soil within greenhouses
  [ ] - Commodity
  [ ] - Soil injection
  [ ] - Tarped potting soil
  [ ] - Single tree site
[ ] X - Furadan chemigation of grapes
[ ] Y - 1, 3 - Dichloropropene
[ ] Z - Other

GROUNDWATER PROTECTION PERMIT CONDITIONS

These conditions apply to pesticides labeled for agricultural, outdoor industrial, or outdoor institutional use that contain chemicals listed in 3CCR section 6800(a): ATRAZINE, SIMAZINE, BROMACIL, DIURON (except products with less than 7% diuron applied to foliage), PROMETON, BENTAZON, AND NORFLURAZON. Ground Water Protection Areas (GWPA), for San Joaquin County, are designated in the Department of Pesticide Regulation document EH03-05. A list of GWPAs may be obtained from the Commissioner's Office or DPR's website (www.cdpr.ca.gov/docs/gwp).

"Engineered rights of way" are defined as areas within a ground water protection area (GWPA) that are constructed in a way that results in increased runoff and collection of storm water, such as railroad ballasts and berms, public roadsides, and highway median strips or similar areas, but not canal or ditch banks or utility lines.

SPECIFIC GROUNDWATER PROTECTION PERMIT CONDITIONS ATTACHED

GWP-C & D Unlined canal and ditch banks
[ ] 1 - Percolation rate is less than or equal to 0.2 inches per hour
[ ] 2 - Applied six months prior to water run
[ ] 3 - All applications are prohibited below high water line

GWP-ROW Engineered rights-of-way within San Joaquin County GWPAs
[ ] 1A - Soil disturbance within 7 days
[ ] 1B - Incorporation
[ ] 1C - Applied between April 1 and July 31
[illegible] through adjacent fully vegetated nonCrop area

[ ] 3 - Compliance with NPDES permit

GWP-R Runoff GWPAs within San Joaquin County
[ ] 1 - Soil disturbance
[ ] 2 - Incorporated
[ ] 3 - Band treatment
[ ] 4 - Applied between April 1 and July 31
[ ] 5 - Runoff water held onsite
[ ] 6 - Runoff water stored offsite
[ ] 7 - Runoff to adjacent fallow field

GWP-L Leaching GWPAs within San Joaquin County
[ ] 1 - No irrigation
[ ] 2 - Bed or berm application
[ ] 3 - Managed irrigation

GWP-Director Director Approved Alternative Management Practices or Interim Use
[ ] 1 - Director approved alternative
[ ] 2 - Director approved interim use

Revised 10/04

P **General**

CONDITION - P - General

In addition to all applicable laws, regulations, label restrictions and other more restrictive conditions of this permit, THE FOLLOWING CONDITIONS APPLY TO APPLICATIONS COVERED BY THIS PERMIT.

1. Maximum wind velocities for applications of Restricted Materials unless otherwise covered by the label, law, regulation, other permit conditions or environmental conditions at the application site are:

   a. Spray - 12 m.p.h.
   b. Dust - 8 m.p.h.
   c. Pellets, granular or baits - 16 m.p.h.

2. No pesticide application shall be made or continued when there is the likelihood of contaminating any persons, non-target crops, animals or other public or private property.

3. Unless specifically named as a dust on this permit, NO DUST FORMULATIONS are allowed.

4. Apply pesticides covered by SLN(s) and Section 18(s) in conformance with the SLN(s) and Section 18(s).

5. A flagger is required at the application site for all AIR applications of Zinc Phosphide bait.

Revised 10/90

Q **Dicamba & Phenoxy Herbicide CV**

CONDITION - Q - DICAMBA AND PHENOXY HERBICIDES - CENTRAL VALLEY/HAZARDOUS AREA

In addition to all applicable laws, regulations and label restrictions, the CONDITIONS CHECKED BELOW APPLY to applications covered by this permit.

Permitee:HOLDENER RANCHES Permit Number: 39-08-3902046

[X] 1. No ester formulation applications allowed.

[ ] 2. A smoke column is required at the application site for all Phenoxy and Dicamba applications by aircraft beginning March 16 and continuing through October 15.

[X] 3. Do not discharge material more than 10 feet above the crop or target.

[ ] 4. A drift reducing agent shall be added to the spray mixture at label rates.

[X] 5. Maximum wind velocity for Phenoxy herbicides - 10 m.p.h.

[X] 6. Maximum wind velocity for Dicamba - 10 m.p.h. EXCEPT when wind is moving in direction of sensitive crops, the maximum wind velocity - 5 m.p.h.

[ ] 7. No Dicamba application allowed in the vicinity of sensitive crops when the maximum temperature on the day of application is predicted to exceed 85 degrees fahrenheit. Predicted temperature for the following day will be determined by the 3:30 p.m. prediction by the National Weather Station - Stockton Airport.

[ ] 8. Dicamba applications by aircraft are restricted to a minimum distance of two (2) miles from the following susceptible crops: beans, grapes, sunflower, tomato, safflower, curcurbits, potatoes.

[ ] 9. Dicamba applications by ground are restricted to a minimm distance of 20 feet from the following susceptible crops: beans, safflower, tomato, curcurbits, potatoes and 1/4 mile from grapes and sunflowers.

[ ] 10. No Dicamba or Phenoxy herbicide applications allowed beginning March 16 and continuing through October 15, and until grape leaves in the vicinity of the treated area are "browned off".

Revised 10/90

Description of Custom Site Conditions

Condition ID	Description

*** LAST PAGE ***

San Joaquin County
Agricultural Commissioner's Office

Permit # 3902046

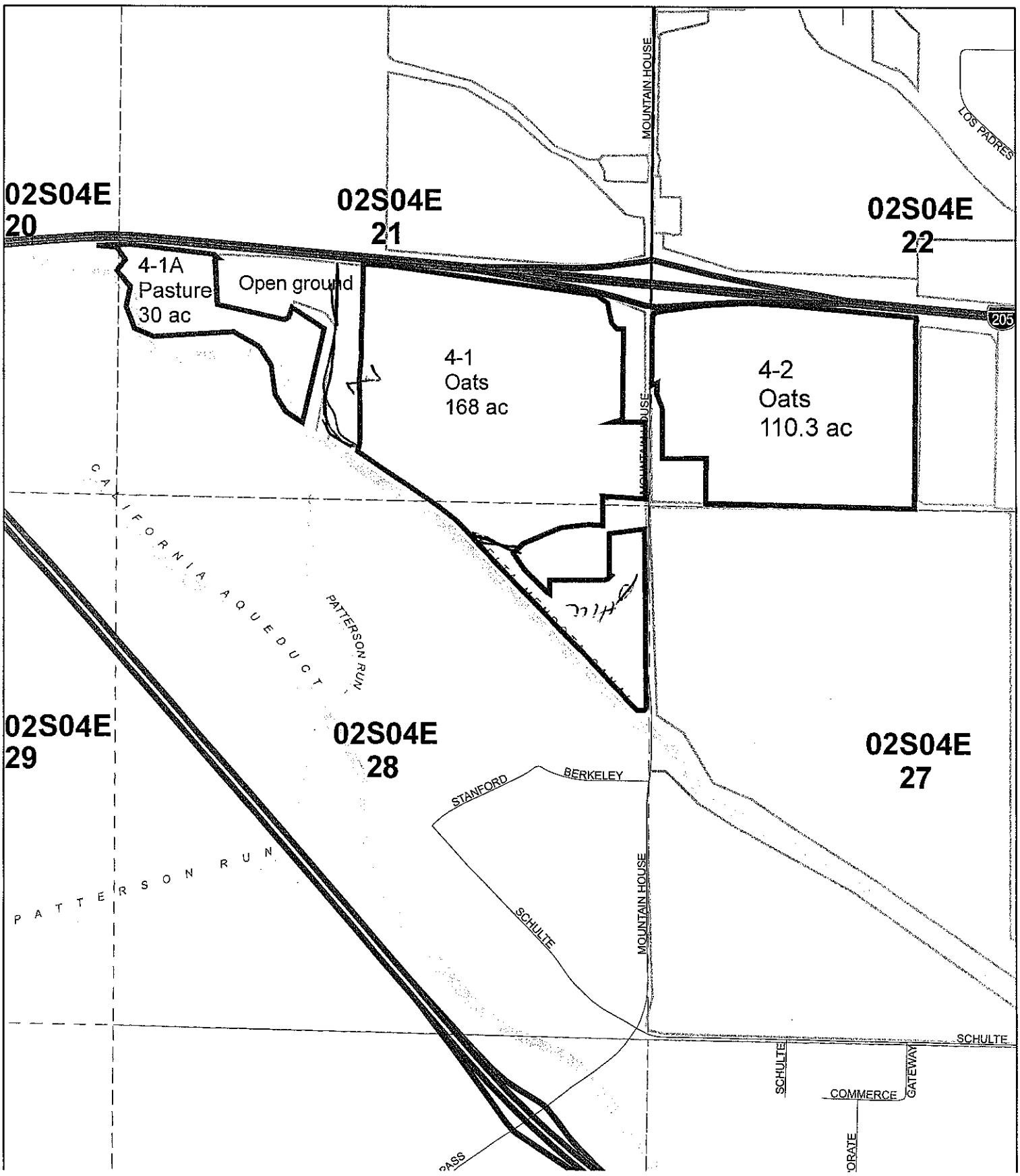
District J

Permittee

Holdener Ranches

MAP #4

N



San Joquin County
Agricultural Commissioner's Office

Permit # 3902046

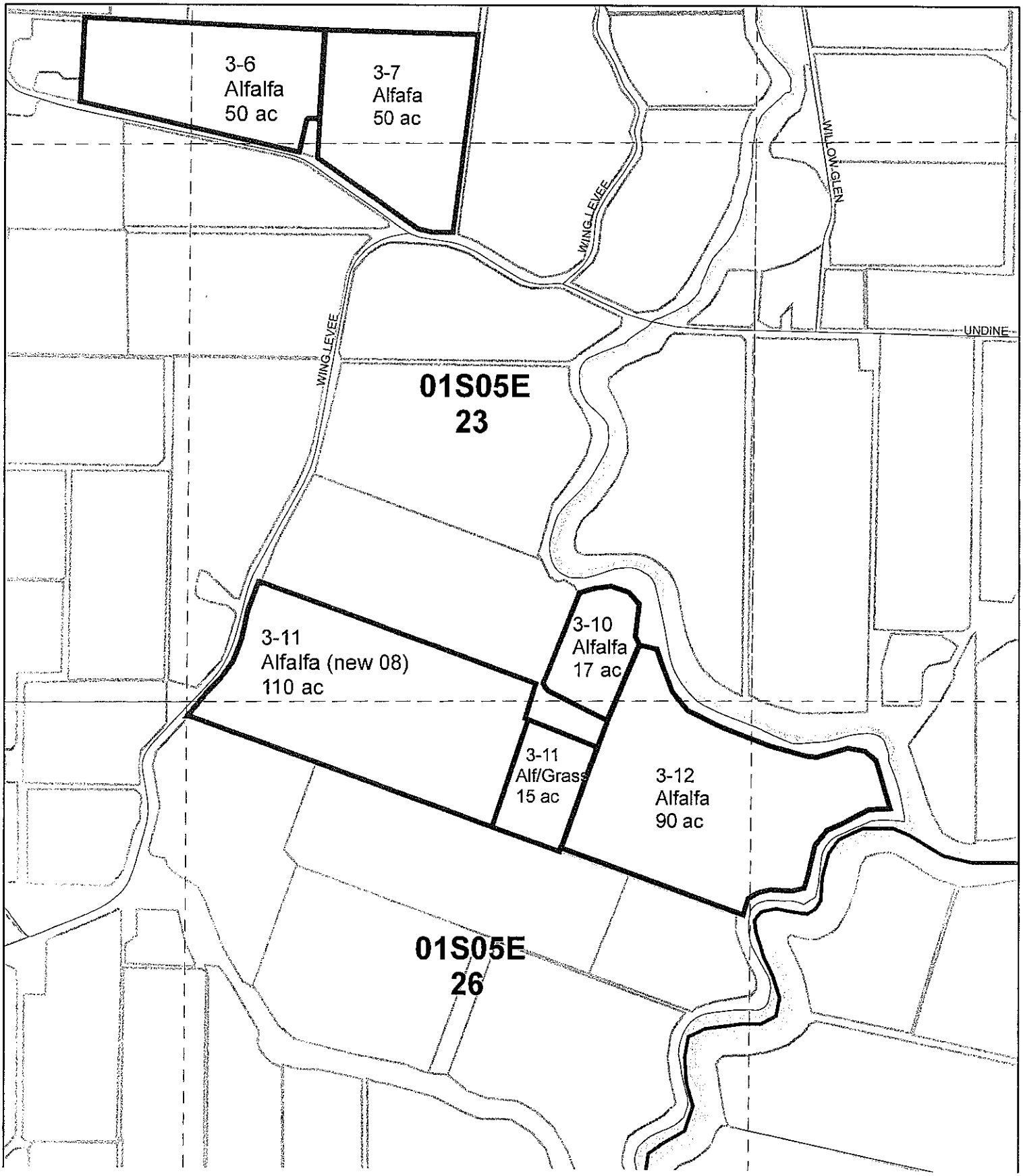
District J

Permittee

Holdener Ranches

MAP #3

N



SAN JOAQUIN COUNTY
2101 E EARHART. SUITE 100
STOCKTON, CA 95206-
Web:www.co.san-joaquin.ca.us/agcomm

Office: (209)953-6000 Fax: (209)953-6022 Recorder (NOI's): (209)953-6000

2009

RESTRICTED MATERIALS PERMIT

LAFRANCIS ALBERT T
5313 VIVAN ROAD
MODESTO CA 95358

ALBERT T LAFRANCIS
5313 VIVAN ROAD
MODESTO CA 95358

Permit Number: 39-09-3900394
County District #: A
Expiration Date: December 31, 2009
Effective Date: ~~January 1, 1900~~ 1-23-09

Home Phone:
Shop Phone:
Mobile Phone:
Fax:

Permittee Type: Private Applicator
Permit Type: Seasonal
Possession: Possession & Use

NOI Method of Submission:
Phone: X Fax: X Box:
In Person: X Web: X
NOI required 0 hours prior to application.

Conditions: A,P,Q

See end of permit for code descriptions.

I understand that this permit does not relieve me from liability for any damages to any persons or property caused by the use of these pesticides. I waive any claims of liability for damages against the County Department of Agriculture based on the issuance of this permit. I further understand that this permit may be revoked when pesticides are used in conflict with the manufacturer's labeling or in violation of applicable laws, regulations and specific conditions of this permit. I authorize inspection at all reasonable times and whenever an emergency exists by the Department of Pesticide Regulation or the County Department of Agriculture of all areas treated or to be treated, storage facilities for pesticides or emptied containers and equipment used or to be used in the treatment. I have considered alternatives and mitigation measures pursuant to Title 3, California Code of Regulations, section 6426. Taking into account economic, environmental, social, and technological factors, I have adopted those that are feasible and would substantially lessen any significant adverse impact on the environment.
[Form PR-ENF-125 (Rev. 11/00) Pesticide Enforcement Branch]

Permit Applicant: RONALD D. GUERIN (Please Print) X Signed: R Guerin

Title: Grower (Please Print) Issue Date: 1-23-09

Issuing Officer: Jon Dawson Issue Date: 1-14-09

Employees do not handle pesticides.

Contact Name	License#	Exp. Date	Phone Number	Contact Type
GUERIN, RONALD D.	3999052	12/31/2009		Private Applicator Certificate
LAFRANCIS, ALBERT T.	3900392			Grower-Permittee

PERMIT PESTICIDES

Number	Pesticide	Pests	Forms	Methods	Applicators
4840	ALUMINUM PHOSPHIDE	RODENTS	All Reg.	Air Ground	PG
9801	2,4-D AMINE	WEEDS	All Reg.	Air Ground	PG

PERMIT COMMODITIES

Crop / Site	Location/Site Narrative/Site Conditions	District	Section / Quantity	Town / Units	Range	Meridian
FORAGE HAY/SLGE (22000-0)						
3-1	S/I-205 & W/HANSEN RD.	J	22	02S	04E	M
			70.00	A		
	Site Conditions: P Q 4840 (ALUMINUM PHOSPHIDE), 9801 (2,4-D AMINE),					
3-2	S/I-205 & W/HANSEN RD.	J	22	02S	04E	M
			30.00	A		
	Site Conditions: P Q 4840 (ALUMINUM PHOSPHIDE), 9801 (2,4-D AMINE),					
PASTURELAND (28035-0)						
2-1	NE/KASSON RD & W/SAN JOAQUIN RIVE	A	11	03S	06E	M
			23.00	A		
	Site Conditions: P Q 4840 (ALUMINUM PHOSPHIDE), 9801 (2,4-D AMINE),					
2-2	NE/KASSON RD & W/SAN JOAQUIN RIVE	A	10	03S	06E	M
			92.00	A		
	Site Conditions: P Q 4840 (ALUMINUM PHOSPHIDE), 9801 (2,4-D AMINE),					
2-4	NE/KASSON RD & W/SAN JOAQUIN RIVE	A	11	03S	06E	M
			60.00	A		
	Site Conditions: P Q 4840 (ALUMINUM PHOSPHIDE), 9801 (2,4-D AMINE),					
4-1	S/SPERRY & E/AIRPORT WAY	I	30	01N	07E	M
			14.00	A		
	Site Conditions: P Q 4840 (ALUMINUM PHOSPHIDE), 9801 (2,4-D AMINE),					

UNCUL NON-AG (67000-0)

1-1	N/YOSEMITE & W/ UPRR GWPA LEACHING	A	36 60.00	01S A	06E	M

Site Conditions: P Q
4840 (ALUMINUM PHOSPHIDE), 9801 (2,4-D AMINE),

Description of Conditions on this Permit:

Condition ID	Description
A	Permit Cond.Table of Contents

A - PERMIT CONDITIONS - TABLE OF CONTENTS

WORKERS SAFETY SERIES ATTACHED

[ ] A-1 through A-11 General Information

PERMIT CONDITONS ATTACHED

[X] P - General
[ ] Q - Dicamba & Phenoxy Herbicides - Central Valley/Hazardous Area
[ ] R - Dicamba & Phenoxys - Special Hazardous Area
[ ] S - Metam Sodium & Metam Potassium
[ ] T - Aldicarb (Temik)
[ ] U - Endosulfan (Thiodan)
[ ] V - Rice Pesticides Program
    [ ] - Molinate (Ordram) Worker Safety (A)
    [ ] - Attachments 1-10: Molinate (1, 6), Thiobencarb (2,6,7), Methylparathion (3,9), Seepage Control (5), Propanil (10) and Malathion (voluntary: 4,8).
[ ] W - Methyl Bromide
    [ ] - Soil within greenhouses
    [ ] - Commodity
    [ ] - Soil injection
    [ ] - Tarped potting soil
    [ ] - Single tree site
[ ] X - Furadan chemigation of grapes
[ ] Y - 1, 3 - Dichloropropene
[ ] Z - Other

GROUNDWATER PROTECTION PERMIT CONDITIONS

These conditions apply to pesticides labeled for agricultural, outdoor industrial, or outdoor institutional use that contain chemicals listed in 3CCR section 6800(a): ATRAZINE, SIMAZINE, BROMACIL, DIURON (except products with less than 7% diuron applied to foliage), PROMETON, BENTAZON, AND NORFLURAZON. Ground Water Protection Areas (GWPA), for San Joaquin County, are designated in the Department of Pesticide Regulation document EH03-05.

A list of GWPAs may be obtained from the Commissioner's Office or DPR's website (www.cdpr.ca.gov/docs/gwp).

"Engineered rights of way" are defined as areas within a ground water protection area (GWPA) that are constructed in a way that results in increased runoff and collection of storm water, such as railroad ballasts and berms, public roadsides, and highway median strips or similar areas, but not canal or ditch banks or utility lines.

SPECIFIC GROUNDWATER PROTECTION PERMIT CONDITIONS ATTACHED

GWP-C & D Unlined canal and ditch banks
[ ] 1 - Percolation rate is less than or equal to 0.2 inches per hour
[ ] 2 - Applied six months prior to water run
[ ] 3 - All applications are prohibited below high water line

GWP-ROW Engineered rights-of-way within San Joaquin County GWPAs
[ ] 1A - Soil disturbance within 7 days
[ ] 1B - Incorporation
[ ] 1C - Applied between April 1 and July 31
[ ] 2 - Runoff passes through adjacent fully vegetated noncrop area
[ ] 3 - Compliance with NPDES permit

GWP-R Runoff GWPAs within San Joaquin County
[ ] 1 - Soil disturbance
[ ] 2 - Incorporated
[ ] 3 - Band treatment
[ ] 4 - Applied between April 1 and July 31
[ ] 5 - Runoff water held onsite
[ ] 6 - Runoff water stored offsite
[ ] 7 - Runoff to adjacent fallow field

GWP-L Leaching GWPAs within San Joaquin County
[ ] 1 - No irrigation
[ ] 2 - Bed or berm application
[ ] 3 - Managed irrigation

GWP-Director Director Approved Alternative Management Practices or Interim Use
[ ] 1 - Director approved alternative
[ ] 2 - Director approved interim use

Revised 10/04

P General

CONDITION - P - General

In addition to all applicable laws, regulations, label restrictions and other more restrictive conditions of this permit, THE FOLLOWING CONDITIONS APPLY TO APPLICATIONS COVERED BY THIS PERMIT.

1. Maximum wind velocities for applications of Restricted Materials unless otherwise covered by the label, law, regulation, other permit conditions or environmental conditions at the application site are:

   a. Spray - 12 m.p.h.
   b. Dust - 8 m.p.h.
   c. Pellets, granular or baits - 16 m.p.h.

2. No pesticide application shall be made or continued when there is the likelihood of contaminating any persons, non-target crops, animals or other public or private property.

3. Unless specifically named as a dust on this permit, NO DUST FORMULATIONS are allowed.

4. Apply pesticides covered by SLN(s) and Section 18(s) in conformance with the SLN(s) and Section 18(s).

5. A flagger is required at the application site for all AIR applications of Zinc Phosphide bait.

Revised 10/90

Q Dicamba & Phenoxy Herbicide CV

CONDITION - Q - DICAMBA AND PHENOXY HERBICIDES - CENTRAL VALLEY/HAZARDOUS AREA

In addition to all applicable laws, regulations and label restrictions, the CONDITIONS CHECKED BELOW APPLY to applications covered by this permit.

[X] 1. No ester formulation applications allowed.

[ ] 2. A smoke column is required at the application site for all Phenoxy and Dicamba applications by aircraft beginning March 16 and continuing through October 15.

[X] 3. Do not discharge material more than 10 feet above the crop or target.

[ ] 4. A drift reducing agent shall be added to the spray mixture at label rates.

[X] 5. Maximum wind velocity for Phenoxy herbicides - 10 m.p.h.

[X] 6. Maximum wind velocity for Dicamba - 10 m.p.h. EXCEPT when wind is moving in direction of sensitive crops, the maximum wind velocity - 5 m.p.h.

[ ] 7. No Dicamba application allowed in the vicinity of sensitive crops when the maximum temperature on the day of application is predicted to exceed 85 degrees fahrenheit. Predicted temperature for the following day will be determined by the 3:30 p.m. prediction by the National Weather Station - Stockton Airport.

[ ] 8. Dicamba applications by aircraft are restricted to a minimum distance of two (2) miles from the following susceptible crops: beans, grapes, sunflower, tomato, safflower, curcurbits, potatoes.

[ ] 9. Dicamba applications by ground are restricted to a minimm distance of 20 feet from the following susceptible crops: beans, safflower, tomato, curcurbits, potatoes and 1/4 mile from grapes and sunflowers.

[ ] 10. No Dicamba or Phenoxy herbicide applications allowed beginning March 16 and continuing through October 15, and until grape leaves in the vicinity of the treated area are "browned off".

Revised 10/90

Description of Custom Site Conditions

Condition ID	Long Description

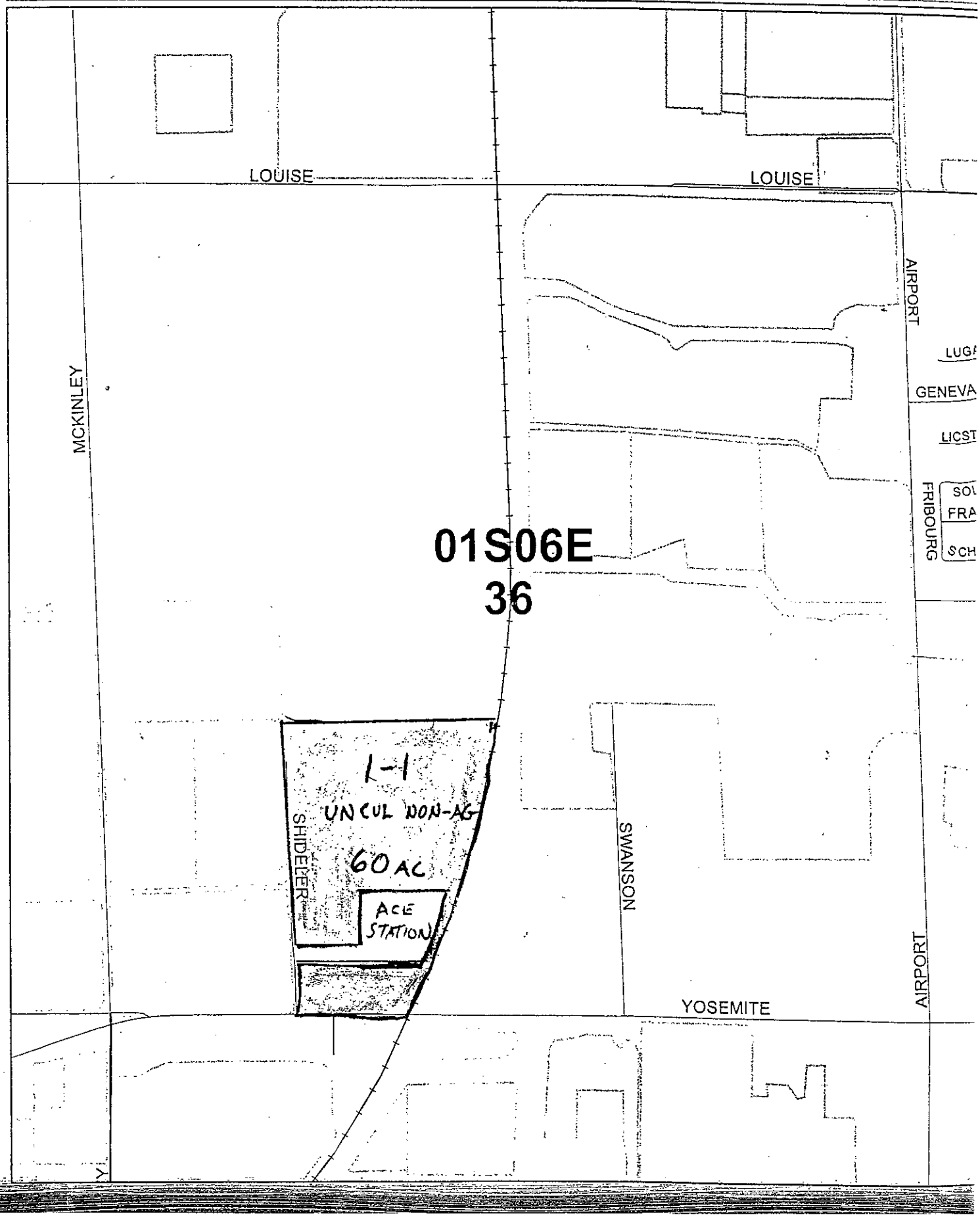
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San Joquin County
Agricultural Commissioner's Office

Permit # 3900394 District A **Map # 1**

Permittee

LaFrancis, Albert T.



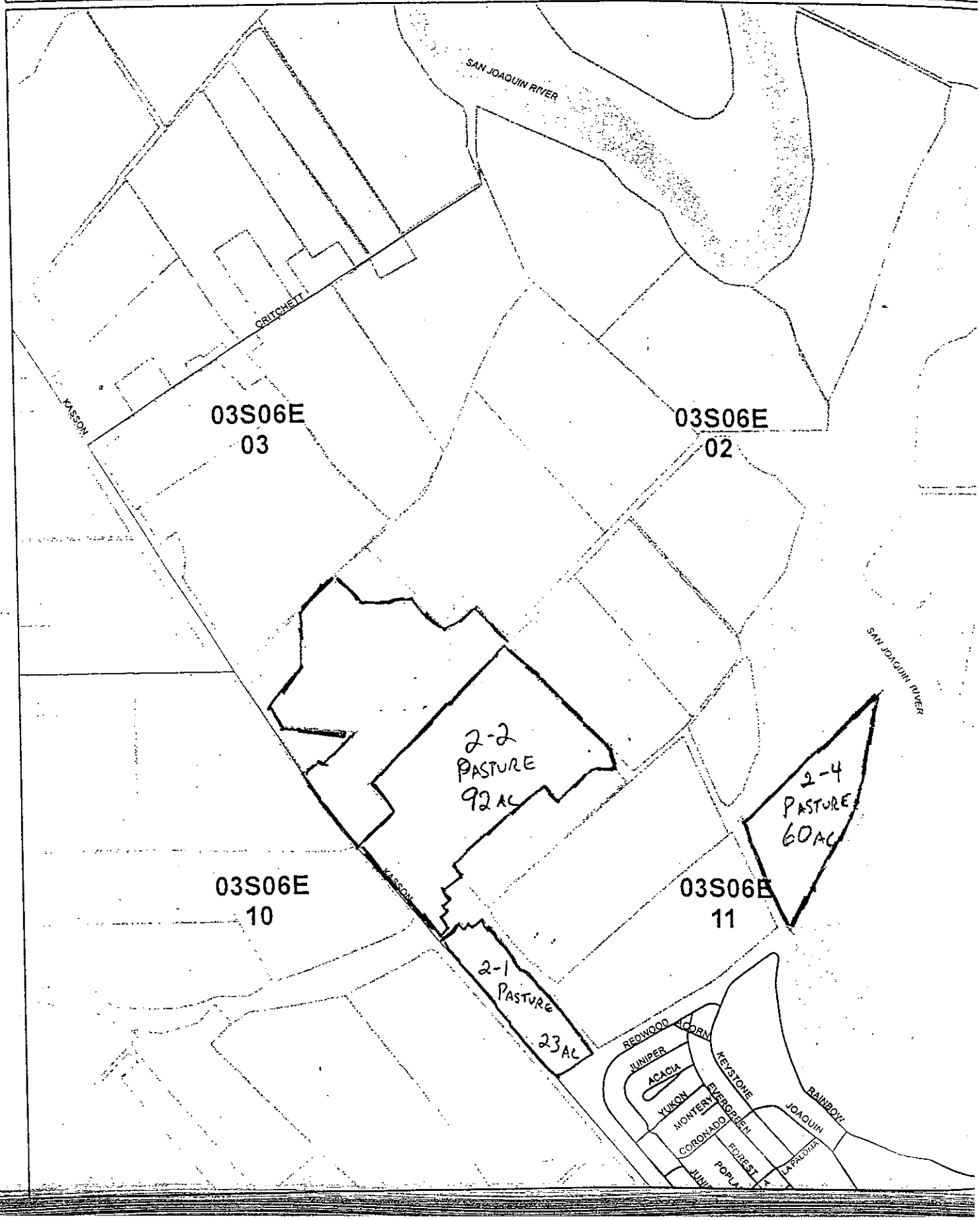
San Joaquin County

Permit # 3900394 District J **Map # 2**

N

Permittee

LaFrancis, Albert T.

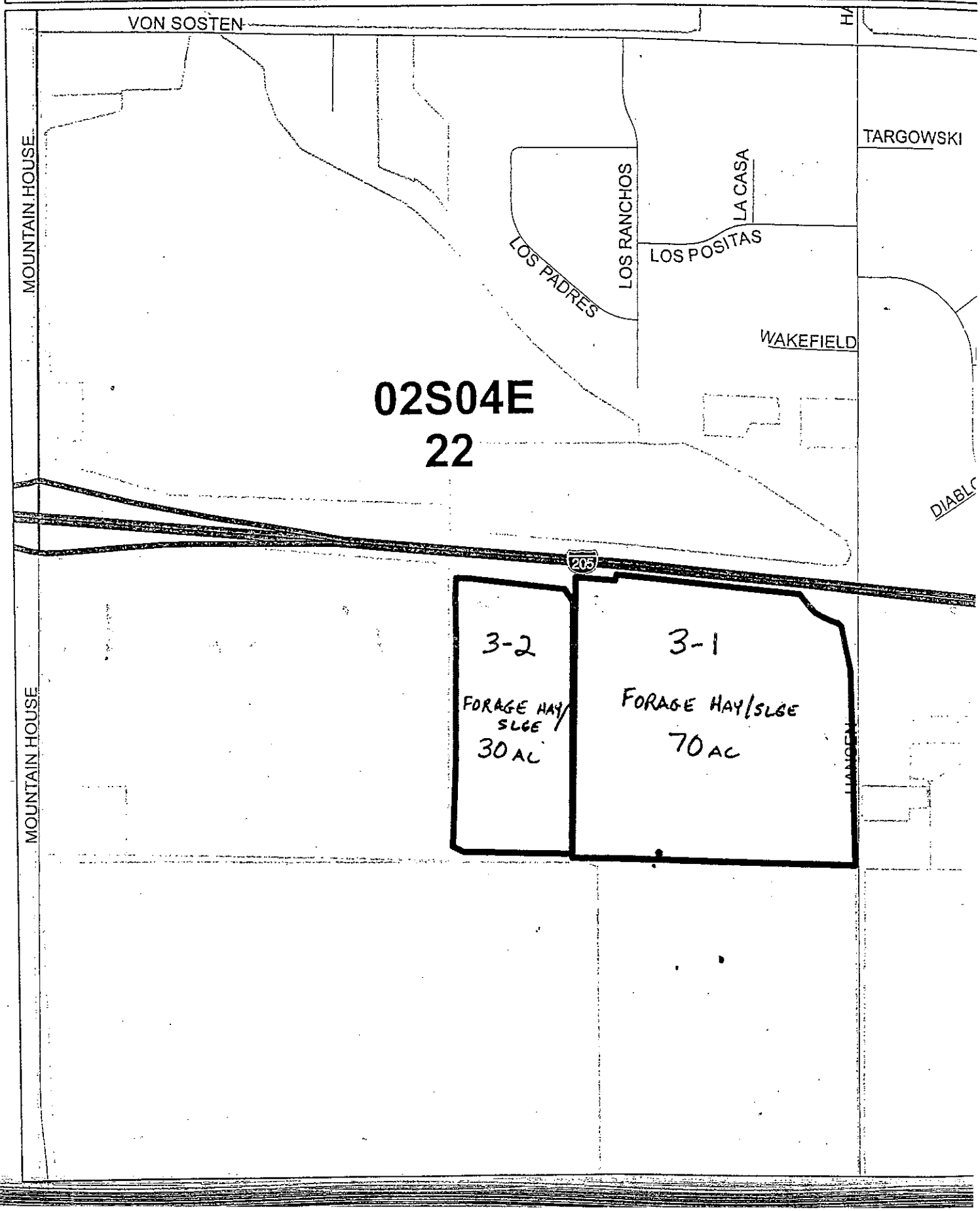


San Joaquin County
Agricultural Commissioner's Office

Permit # 3900394 District J **Map # 3**

Permittee

LaFrancis, Albert T.

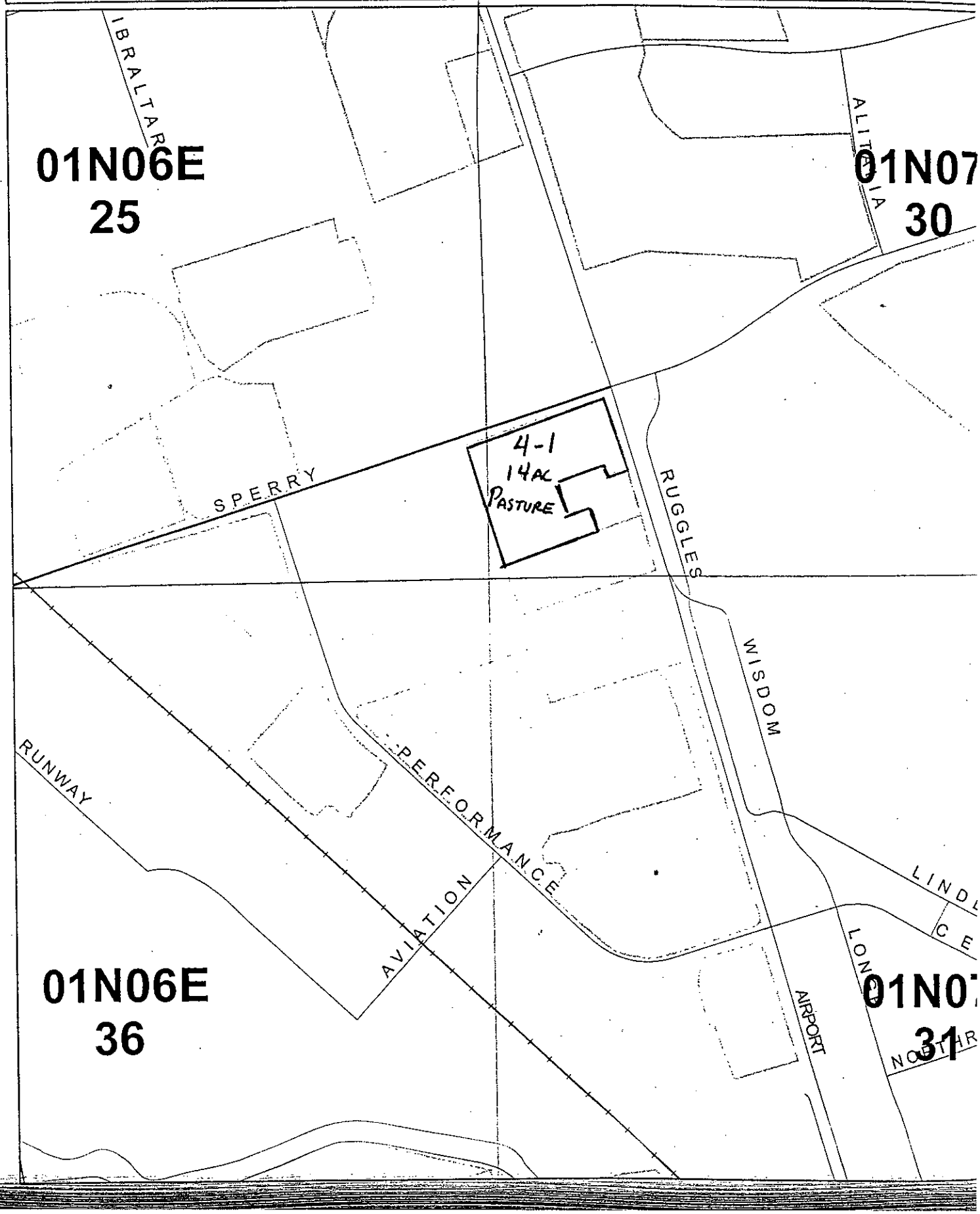


San Joaquin County
Agricultural Commissioner's Office

Permit # 3900394 District I **Map # 4**

Permittee

LaFrancis, Albert T.



SAN JOAQUIN COUNTY
1868 E. HAZELTON AVENUE
STOCKTON, CA 95205-
Web:www.co.san-joaquin.ca.us/agcomm

Office: (209)468-3300 Fax: (209)468-3330 Recorder (NOI's): (209)468-3300

RESTRICTED MATERIALS PERMIT

LAFRANCIS, ALBERT T.
5313 VIVAN ROAD
MODESTO, CA 95358

ALBERT T. LAFRANCIS
5313 VIVAN ROAD
MODESTO, CA 95358

Permittee Type: Private Applicator
Permit Type: Seasonal
Possession: Possession & Use

Permit Number: 39-08-3900394
County District #: A
Expiration Date: December 31, 2008
Effective Date: ~~January 1, 1990~~ July 25, 2008
Home Phone:
Shop Phone:
Mobile Phone:
Fax:

NOI Method of Submission:

Phone: X Fax: X Box:
In Person: X Web: X Modem: X

NOI required 0 hours prior to application.

Conditions: A,P,Q

See end of permit for code descriptions.

I understand that this permit does not relieve me from liability for any damages to any persons or property caused by the use of these pesticides. I waive any claims of liability for damages against the County Department of Agriculture based on the issuance of this permit. I further understand that this permit may be revoked when pesticides are used in conflict with the manufacturer's labeling or in violation of applicable laws, regulations and specific conditions of this permit. I authorize inspection at all reasonable times and whenever an emergency exists by the Department of Pesticide Regulation or the County Department of Agriculture of all areas treated or to be treated, storage facilities for pesticides or emptied containers and equipment used or to be used in the treatment. I have considered alternatives and mitigation measures pursuant to Title 3, California Code of Regulations, section 6426. Taking into account economic, environmental, social, and technological factors, I have adopted those that are feasible and would substantially lessen any significant adverse impact on the environment.
[Form PR-ENF-125 (Rev. 11/06) Pesticide Enforcement Branch]

Permit Applicant: Albert LaFrancis (Please Print) Signed: Albert LaFrancis

Title: Partner (Please Print) Issue Date: July 25, 2008

Issuing Officer: Tom Dawson Issue Date: July 25, 2008

Employees do not handle pesticides.

Contact Name	License#	Exp. Date	Phone Number	Contact Type
LAFRANCIS, ALBERT T.	3900392	12/31/2010	(	Grower-Permittee

PERMIT PESTICIDES

Number	Pesticide	Pests	Forms	Methods	Applicators
4840	ALUMINUM PHOSPHIDE	RODENTS	All Reg.	Air Ground	PG
9801	2,4-D AMINE	WEEDS	All Reg.	Air Ground	PG

PERMIT COMMODITIES

Crop / Site	Location/Site Narrative/Site Conditions	District	Section / Quantity	Town / Units	Range	Meridian
FORAGE HAY/SLGE (22000-0)						
3-1	S/I-205 & W/HANSEN RD.	J	22	02S	04E	M
			70.00	A		
	Site Conditions: P Q 4840 (ALUMINUM PHOSPHIDE), 9801 (2,4-D AMINE),					
3-2	S/I-205 & W/HANSEN RD.	J	22	02S	04E	M
			30.00	A		
	Site Conditions: P Q 4840 (ALUMINUM PHOSPHIDE), 9801 (2,4-D AMINE),					
PASTURELAND (28035-0)						
2-1	NE/KASSON RD & W/SAN JOAQUIN RIVE	A	11	03S	06E	M
			23.00	A		
	Site Conditions: P Q 4840 (ALUMINUM PHOSPHIDE), 9801 (2,4-D AMINE),					
2-2	NE/KASSON RD & W/SAN JOAQUIN RIVE	A	10	03S	06E	M
			92.00	A		
	Site Conditions: P Q 4840 (ALUMINUM PHOSPHIDE), 9801 (2,4-D AMINE),					
2-3	NE/KASSON RD & W/SAN JOAQUIN RIVE	A	10	03S	06E	M
			90.00	A		
	Site Conditions: P Q 4840 (ALUMINUM PHOSPHIDE), 9801 (2,4-D AMINE),					
2-4	NE/KASSON RD & W/SAN JOAQUIN RIVE	A	11	03S	06E	M
			60.00	A		
	Site Conditions: P Q 4840 (ALUMINUM PHOSPHIDE), 9801 (2,4-D AMINE),					

PASTURELAND (28035-0)

4-1	S/SPERRY & E/AIRPORT WAY	I	30	01N	07E	M
			14.00	A		

Site Conditions: P Q
4840 (ALUMINUM PHOSPHIDE), 9801 (2,4-D AMINE),

UNCUL NON-AG (67000-0)

1-1	N/YOSEMITE & W/ UPRR GWPA LEACHING	A	36	01S	06E	M
			60.00	A		

Site Conditions: P Q
4840 (ALUMINUM PHOSPHIDE), 9801 (2,4-D AMINE),

Description of Conditions on this Permit:

Condition ID	Description
A	**Permit Cond.Table of Contents**

A - PERMIT CONDITIONS - TABLE OF CONTENTS

WORKERS SAFETY SERIES ATTACHED

[ ] A-1 through A-11 General Information

PERMIT CONDITONS ATTACHED

[X] P - General
[ ] Q - Dicamba & Phenoxy Herbicides - Central Valley/Hazardous Area
[ ] R - Dicamba & Phenoxys - Special Hazardous Area
[ ] S - Metam Sodium & Metam Potassium
[ ] T - Aldicarb (Temik)
[ ] U - Endosulfan (Thiodan)
[ ] V - Rice Pesticides Program
    [ ] - Molinate (Ordram) Worker Safety (A)
    [ ] - Attachments 1-10: Molinate (1, 6), Thiobencarb (2,6,7), Methylparathion (3,9), Seepage Control (5), Propanil (10) and Malathion (voluntary: 4,8).
[ ] W - Methyl Bromide
    [ ] - Soil within greenhouses
    [ ] - Commodity
    [ ] - Soil injection
    [ ] - Tarped potting soil
    [ ] - Single tree site
[ ] X - Furadan chemigation of grapes
[ ] Y - 1, 3 - Dichloropropene
[ ] Z - Other

GROUNDWATER PROTECTION PERMIT CONDITIONS

These conditions apply to pesticides labeled for agricultural, outdoor industrial, or outdoor institutional use that contain chemicals listed in 3CCR section 6800(a): ATRAZINE, SIMAZINE, BROMACIL, DIURON (except products with less than 7% diuron applied to foliage), PROMETON, BENTAZON, AND NORFLURAZON. Ground Water Protection Areas (GWPA), for San Joaquin County, are designated in the Department of Pesticide Regulation document EH03-05. A list of GWPAs may be obtained from the Commissioner's Office or DPR's website (www.cdpr.ca.gov/docs/gwp).

"Engineered rights of way" are defined as areas within a ground water protection area (GWPA) that are constructed in a way that results in increased runoff and collection of storm water, such as railroad ballasts and berms, public roadsides, and highway median strips or similar areas, but not

canal or ditch banks or utility lines.

SPECIFIC GROUNDWATER PROTECTION PERMIT CONDITIONS ATTACHED

GWP-C & D Unlined canal and ditch banks
[ ] 1 - Percolation rate is less than or equal to 0.2 inches per hour
[ ] 2 - Applied six months prior to water run
[ ] 3 - All applications are prohibited below high water line

GWP-ROW Engineered rights-of-way within San Joaquin County GWPAs
[ ] 1A - Soil disturbance within 7 days
[ ] 1B - Incorporation
[ ] 1C - Applied between April 1 and July 31
[ ] 2 - Runoff passes through adjacent fully vegetated noncrop area
[ ] 3 - Compliance with NPDES permit

GWP-R Runoff GWPAs within San Joaquin County
[ ] 1 - Soil disturbance
[ ] 2 - Incorporated
[ ] 3 - Band treatment
[ ] 4 - Applied between April 1 and July 31
[ ] 5 - Runoff water held onsite
[ ] 6 - Runoff water stored offsite
[ ] 7 - Runoff to adjacent fallow field

GWP-L Leaching GWPAs within San Joaquin County
[ ] 1 - No irrigation
[ ] 2 - Bed or berm application
[ ] 3 - Managed irrigation

GWP-Director Director Approved Alternative Management Practices or Interim Use
[ ] 1 - Director approved alternative
[ ] 2 - Director approved interim use

Revised 10/04

P **General**

CONDITION - P - General

In addition to all applicable laws, regulations, label restrictions and other more restrictive conditions of this permit, THE FOLLOWING CONDITIONS APPLY TO APPLICATIONS COVERED BY THIS PERMIT.

1. Maximum wind velocities for applications of Restricted Materials unless otherwise covered by the label, law, regulation, other permit conditions or environmental conditions at the application site are:

   a. Spray - 12 m.p.h.
   b. Dust - 8 m.p.h.
   c. Pellets, granular or baits - 16 m.p.h.

c. Pellets, granular or baits - 16 m.p.h.

2. No pesticide application shall be made or continued when there is the likelihood of contaminating any persons, non-target crops, animals or other public or private property.

3. Unless specifically named as a dust on this permit, NO DUST FORMULATIONS are allowed.

4. Apply pesticides covered by SLN(s) and Section 18(s) in conformance with the SLN(s) and Section 18(s).

5. A flagger is required at the application site for all AIR applications of Zinc Phosphide bait.

Revised 10/90

Q **Dicamba & Phenoxy Herbicide CV**

CONDITION - Q - DICAMBA AND PHENOXY HERBICIDES - CENTRAL VALLEY/HAZARDOUS AREA

In addition to all applicable laws, regulations and label restrictions, the CONDITIONS CHECKED BELOW APPLY to applications covered by this permit.

[X] 1. No ester formulation applications allowed.

[ ] 2. A smoke column is required at the application site for all Phenoxy and Dicamba applications by aircraft beginning March 16 and continuing through October 15.

[X] 3. Do not discharge material more than 10 feet above the crop or target.

[ ] 4. A drift reducing agent shall be added to the spray mixture at label rates.

[X] 5. Maximum wind velocity for Phenoxy herbicides - 10 m.p.h.

[X] 6. Maximum wind velocity for Dicamba - 10 m.p.h. EXCEPT when wind is moving in direction of sensitive crops, the maximum wind velocity - 5 m.p.h.

[ ] 7. No Dicamba application allowed in the vicinity of sensitive crops when the maximum temperature on the day of application is predicted to exceed 85 degrees fahrenheit. Predicted temperature for the following day will be determined by the 3:30 p.m. prediction by the National Weather Station - Stockton Airport.

[ ] 8. Dicamba applications by aircraft are restricted to a minimum distance of two (2) miles from the following susceptible crops: beans, grapes, sunflower, tomato, safflower, curcurbits, potatoes.

[ ] 9. Dicamba applications by ground are restricted to a minimm distance of 20 feet from the following susceptible crops: beans, safflower, tomato, curcurbits, potatoes and 1/4 mile from grapes and sunflowers.

potatoes and 1/4 mile from grapes and sunflowers.

[ ] 10. No Dicamba or Phenoxy herbicide applications allowed beginning March 16 and continuing through October 15, and until grape leaves in the vicinity of the treated area are "browned off".

Revised 10/90

Description of Custom Site Conditions

Condition ID	Long Description

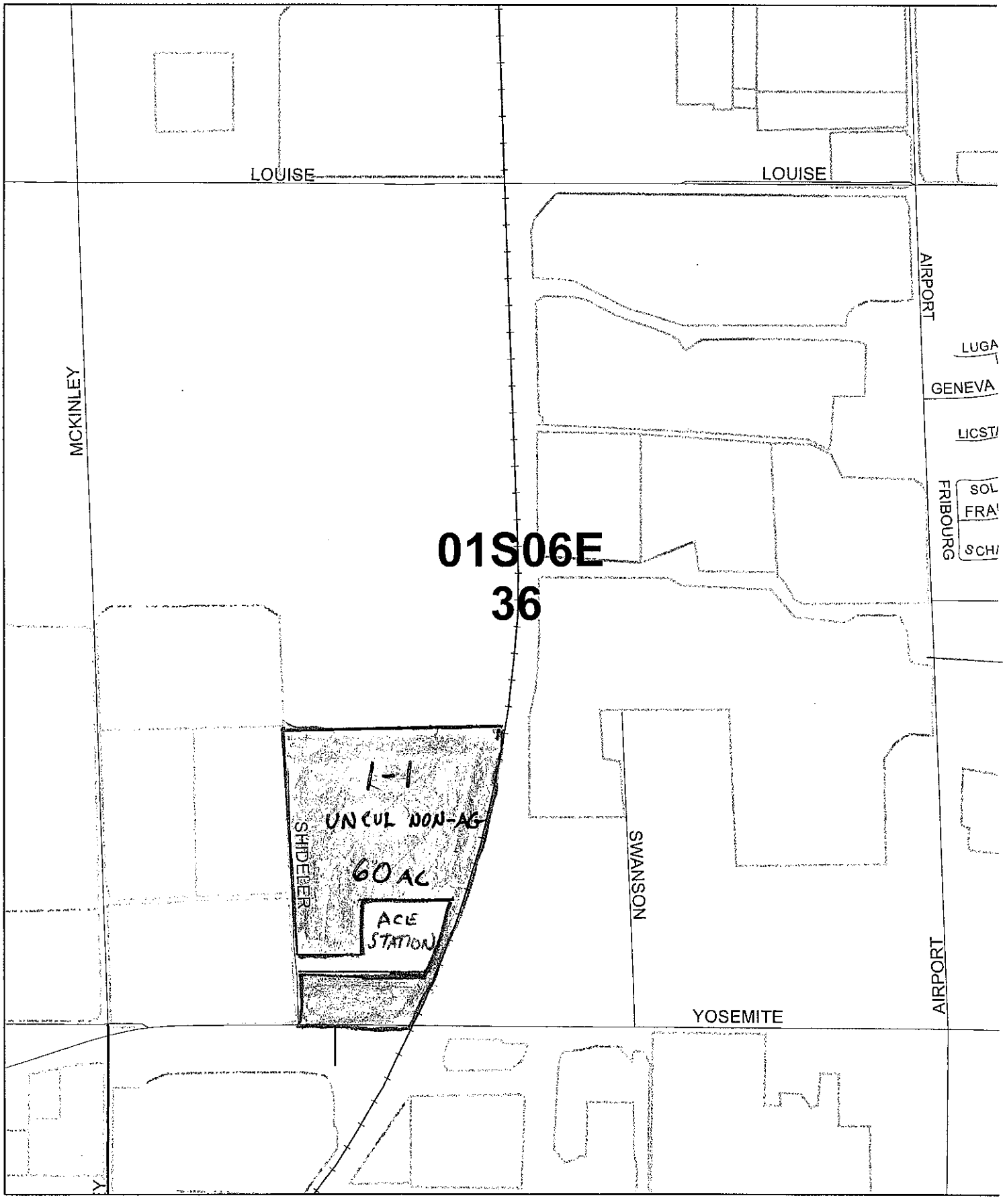
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San Joaquin County
Agricultural Commissioner's Office

Permit # 3900394 District A **Map # 1**

Permittee

LaFrancis, Albert T.



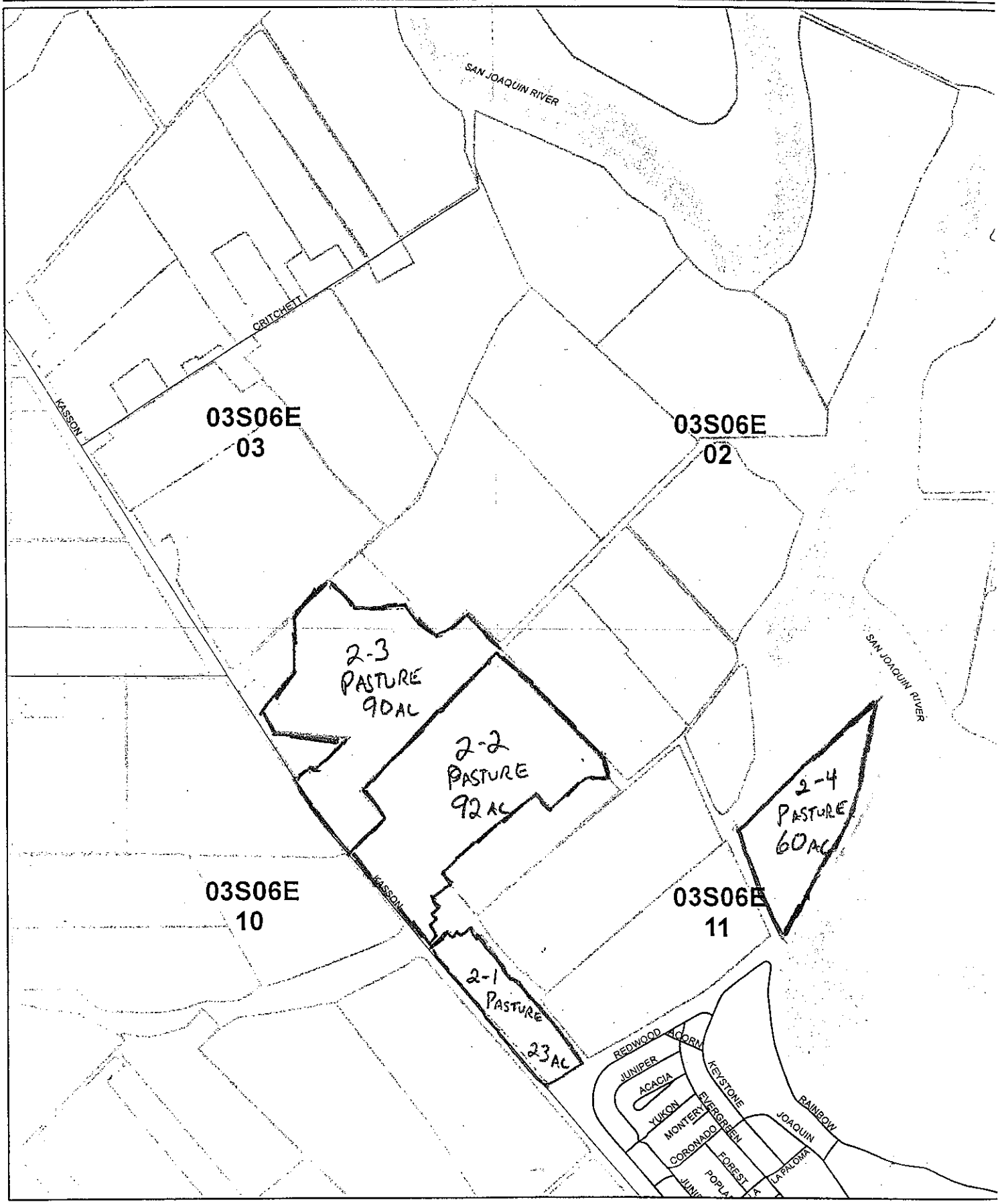
San Joaquin County
Agricultural Commissioner's Office

Permit # 3900394 District J **Map #** 2

N

Permittee

LaFrancis, Albert T.

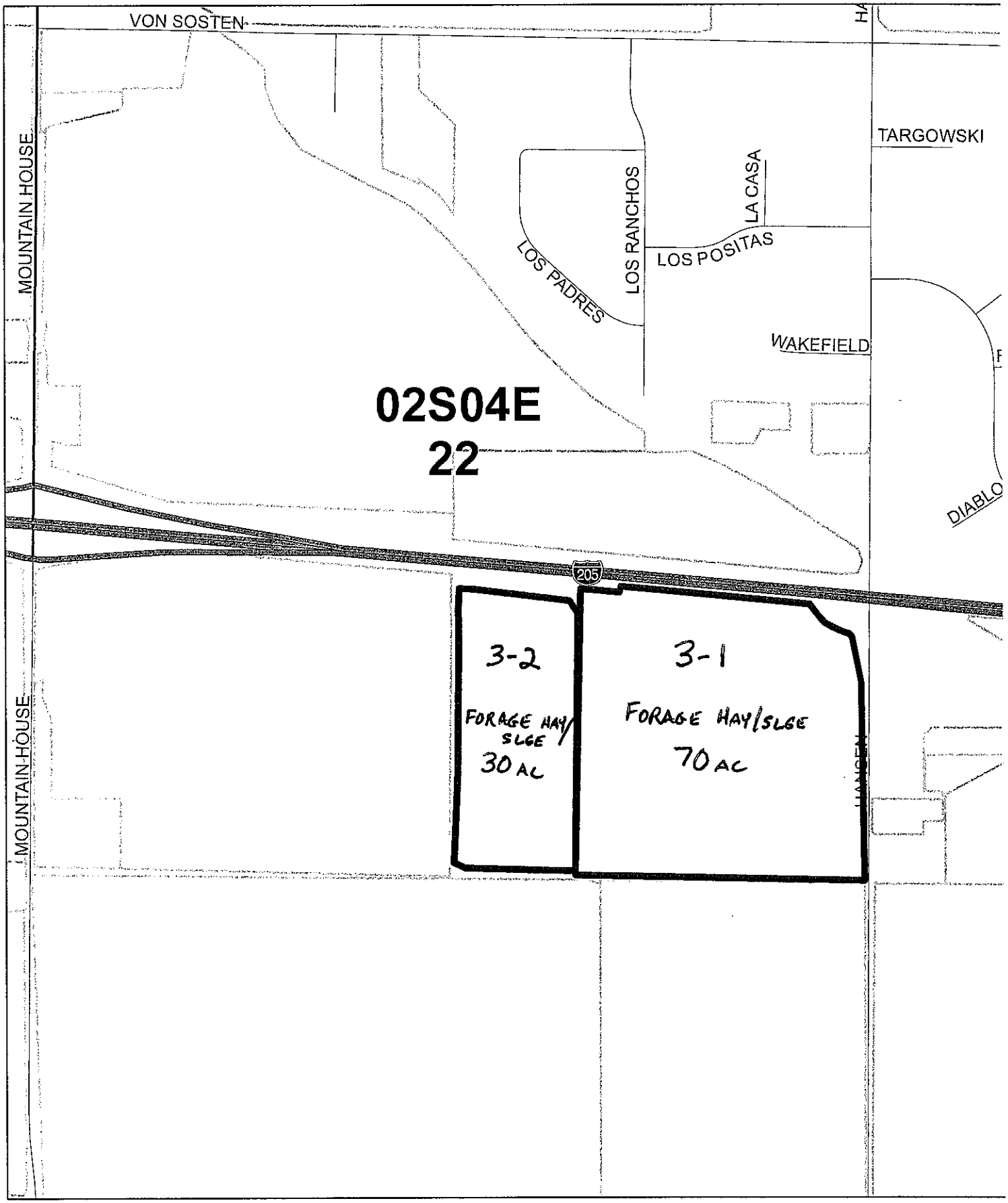


San Joaquin County
Agricultural Commissioner's Office

Permit # 3900394 District J **Map # 3**

Permittee

LaFrancis, Albert T.

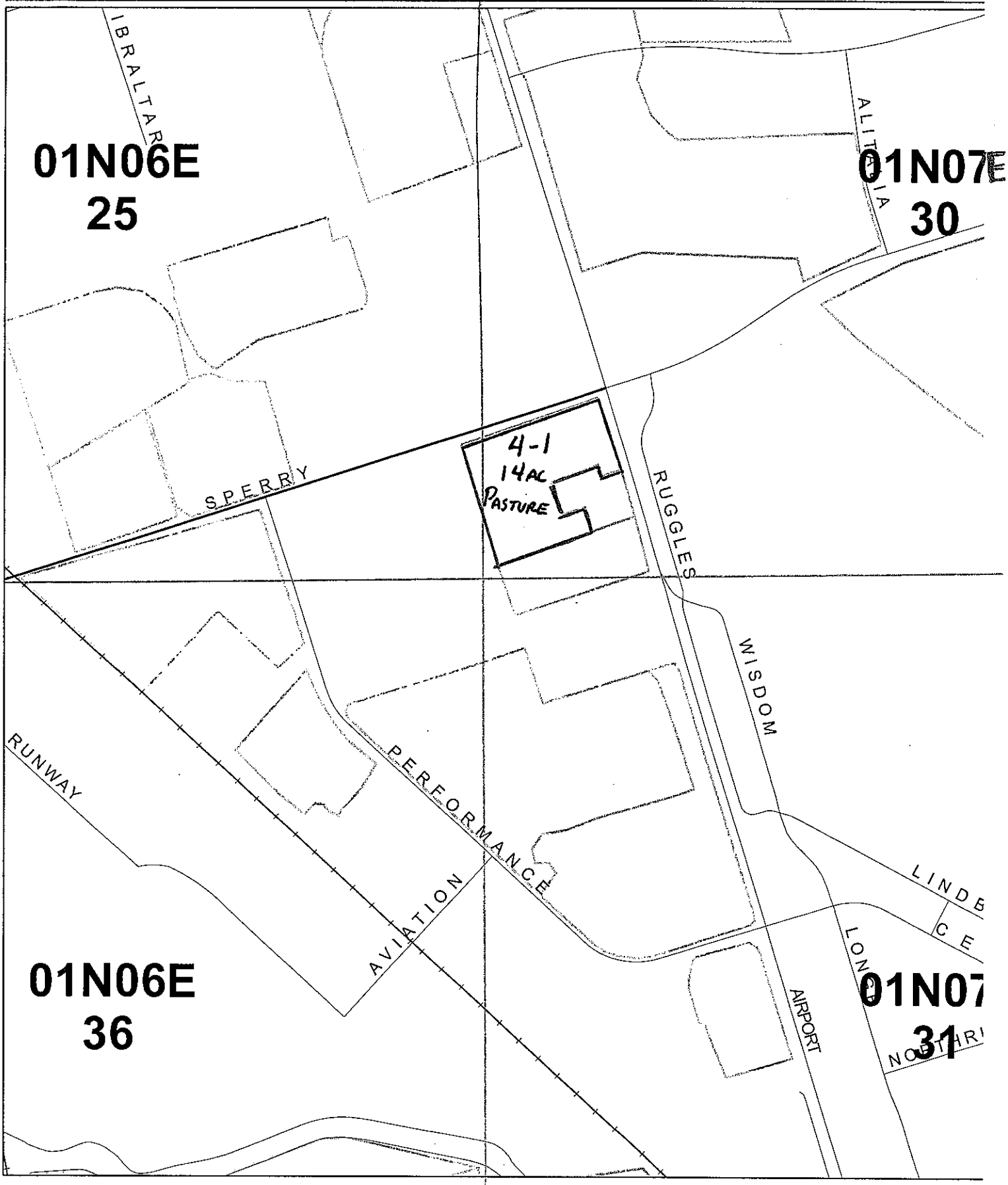


San Joaquin County
Agricultural Commissioner's Office

Permit # 3900394 District I **Map # 4**

Permittee

LaFrancis, Albert T.



Appendix E. Natural Gas Well Records



DIVISION OF ND GAS

REPORT OF WELL ABANDONMENT

Woodland, California

August 11, 1960

Mr. R. W. Anderson
1831 Truxtun Avenue
Bakersfield, California
Agent for RICHARD S. RHEEM, OPERATOR

DEAR SIR:

07 [illegible]337

Your report of abandonment of Well No. "Weaver-Cordes" 1, Sec. 26, T. 2 S., R. 4 E., M.D. B. & M., [illegible] field, San Joaquin County, dated July 28, 1960, has been examined in conjunction with records filed in this office.

A review of the reports and records shows that the requirements of this Division, which are based on all information filed with it, have been fulfilled.

FEK:mjj

E. H. MUSSER
State Oil and Gas Supervisor

By [signature] WPH
Deputy Supervisor

45006 12-58 10M SPO

MAP & BOOK ✓

STATUS

Completed Producing _____
Recompleted Producing _____
Completed Abandoned _____
Uncompleted Abandoned ✓
Idle _____

RECORDS

Received		Needed
✓	Well Summary	
✓	History	
✓	Log & Core	
✓ Lge	Sm Elec. Log(s) Lge	Sm
✓	Direct. Survey	
	Other	

Location ✓
Elevation ✓
Release Bond
Hold Bond ____ Reason
Final letter 8-14-62
150b
170
121
card

Form 19

7-29-60

FORM 100

STATE OF CALIFORNIA
DEPARTMENT OF NATURAL RESOURCES

DIVISION OF OIL AND GAS

WELL SUMMARY REPORT

SUBMIT IN DUPLICATE

DIVISION OF OIL AND GAS
RECEIVED
JUL 28 1960
WOODLAND, CALIFORNIA

27

Operator Richard S. Rheem, Operator Well No. "Weaver Cordes" 1

Sec. 26, T. 2S, R. 4E, M. D. B. & M. Field San Joaquin County.

Location 1320' North and 200' East from the Southwest corner of Section 26
(Give location from property or section corner, or street center lines)

Elevation of ground above sea level 160 feet.

All depth measurements taken from top of KB which is 12 feet above ground.
(Derrick Floor, Rotary Table or Kelly Bushing)

In compliance with Sec. 3215, of the Public Resources Code, the information given herewith is a complete and correct record of the present condition of the well and all work done thereon, so far as can be determined from all available records.

Date September 28, 1959

Signed W. R. Kennitzer

Kennitzer & Diepenbrock
(Engineer or Geologist)

(Superintendent)

Title Engineer
(President, Secretary or Agent)

Commenced drilling 8/5/59

Completed drilling 9/21/59

Total depth 8222' Plugged depth 996 - 1112'

Junk

GEOLOGICAL MARKERS | DEPTH

Commenced producing Abandoned (Date) Flowing/gas lift/pumping (Cross out unnecessary words)

Geologic age at total depth: Cretaceous

Name of producing zone None

	Clean Oil bbl. per day	Gravity Clean Oil	Per Cent Water including emulsion	Gas Mcf. per day	Tubing Pressure	Casing Pressure
Initial production	Never produced					
Production after 30 days						

CASING RECORD (Present Hole)

Size of Casing (A. P. I.)	Depth of Shoe	Top of Casing	Weight of Casing	New or Second Hand	Seamless or Lapweld	Grade of Casing	Size of Hole Drilled	Number of Sacks of Cement	Depth of Cementing if through perforations
10-3/4	1092	0	32	N	S	H-40	15½	585#	
			Premixed with 4% gel						

PERFORATED CASING
(Size, top, bottom, perforated intervals, size and spacing of perforation and method.)

NONE

077 00337

Electrical Log Depths 8222' (Attach Copy of Log)

649 12-55 34M SPO

DIVISION OF OIL AND GAS
RECEIVED
JUL 28 1960
WOODLAND, CALIFORNIA

WELL COMPLETION REPORT

RICHARD S. RHEEM, Operator
Well: Weaver Cordes 1

SECTION 26, T2S, R4E, MDB&M
San Joaquin County, California

Commenced drilling 8/5/59
Completed drilling 9/21/59

August-1959	Depth		
5			Brown Drilling Company moved in and rigged up. Spudded in with 15½" bit at 7 pm. Drilled ahead.
	500'	Sand and Gravel	
		SURVEY at 300' 1° 0'	
6	547'	Sand and gravel	
			Lost and regained circulation. Drilled ahead.
	725'	Clay	Attempted to run electric log. Would not go to bottom. Drilled ahead with 9-7/8" bit.
	1153'	Sand and clay	
		SURVEYS - 735' 1° 30'	
		1153' 1° 0'	
			Ran Schlumberger electric log
7			Opened 9-7/8" hole to 15½", 725 - 1092'. Ran 24 joints of 1096.66' of 10-3/4" 32.75 lb. H-40 casing equipped with Halliburton guide shoe and cemented around shoe at 1092' with 585 sacks of Type C cement premixed with 4% Gel (equivalent to 895 cu. ft.). Displaced one top rubber plug with 650 cu. ft. of mud which was 29 cu. ft. over calculated displacement. Bumped plug on shoe with 1000 psi., which was held without loss for 3 minutes.
			Landed casing and installed BOP equipment.
8			Tested BOP equipment with 1500 psi.
			Drilled out shoe with 8-3/4" bit, cleaned out to 1153', and drilled ahead.

DIVISION OF OIL AND GAS
RECEIVED
Jul 25 1960
WOODLAND, CALIFORNIA

RICHARD S. RHEEM, Operator
Well: Weaver Cordes 1

August-1959	Depth	
8	2072'	Sand, clay and shale SURVEYS 1467' 1° 0' 1607' 0° 45' 1880' 0° 30'
9	2631'	Shale SURVEYS 2072' 0° 0' 2284' 0° 50' 2480' 2° 0' 2615' 3° 0'
10	2863'	Shale, streaks of sand SURVEYS 2673' 4° 15' 2714' 3° 45' 2791' 3° 45' 2854' 4° 0'
11	2998'	Shale SURVEYS 2890' 4° 0' 2926' 4° 0' 2988' 3° 15'
12	3141'	Shale SURVEYS 3051 3° 0' 3116 3° 45' 3123 3° 30'
13	3316'	Shale, streaks of sand SURVEYS 3181 3° 15' 3246 3° 0' 3312 2° 30'
14	3560'	Shale, streaks of sand SURVEYS 3345' 2° 45' 3430' 1° 30' 3526' 0, 45'
15	3866'	Shale, streaks of sand SURVEYS 3612' 1° 0' 3644' 0° 15' 3751' 0° 15'

DIVISION OF OIL AND GAS
RECEIVED
JUL 28 1960
WOODLAND, CALIFORNIA

RICHARD S. RHEEM, Operator
Well: Weaver Cordes 1

August-1959	Depth	
16	4136'	Shale, sand, shells SURVEYS 3889' 1° 15' 4070' 2° 45' 4135' 2° 45'
17	4338'	Shale SURVEYS 4177' 3° 0' 4220' 2° 45' 4293' 2° 45'
18	4462'	Shale, streaks of sand SURVEYS 4358' 3° 15' 4410' 3° 0' 4412' 2° 45'
19	4701	Shale and sand SURVEYS 4540' 3° 0' 4610' 2° 30'
20	4949'	Shale and sand SURVEYS 4701' 2° 45' 4795' 3° 0' 4860' 2° 45'
21	5166'	Shale, streaks of sand SURVEY 4970' 2° 45'
22	5400'	Shale and sand SURVEYS 5191' 3° 0' 5337' 3° 45'
23	5574'	Shale and sand SURVEY 5494' 3° 45'
24	5787'	Shale and sand SURVEY 5740 3° 45'
25	5952'	Shale and sand SURVEY 5890 3° 30'
26	5996'	Shale and sand SURVEY 5996' 3° 0'

DIVISION OF OIL AND GAS
RECEIVED
JUL 28 1960
WOODLAND, CALIFORNIA

RICHARD S. RHEEM, Operator
Well: Weaver Cordes 1

August-1959	Depth	
26		Ran Schlumberger Induction-Electric Log and Microlog
27		Drilled ahead with 8-3/4" bit
	6184'	Shale SURVEY 6184' 4° 30'
28	6353'	Shale SURVEY 6353' 4° 15'
29	6471'	Shale SURVEY 6466' 5° 0'
30	6537'	Shale SURVEY 6509' 4° 45'
31	6618'	Shale SURVEY 6537' 4° 45' 6587' 4° 45'
September-1959		
1	6723'	Shale SURVEY 6641' 4° 45'
2	6746'	Shale and sand SURVEY 6746' 4° 45'
		Ran Halliburton tester with dual packers and 1000' of mud cushion, and set with bottom of bottom packer at 6725', with tail to 6746'. Opened for initial shut-in pressure at 2:30 pm. Open on 1/4" bean at 3:30 pm. Had faint blow. Opened on 3/8" bean at 3:40 pm. Had faint blow. Practically dead at 4:00 pm. Opened equalizing valve and reset tool. Opened on 3/8" bean at 4:05 pm. Very faint blow. Pulled packer loose at 4:33 pm. Recovered net rise of 1900' of salt water, 630 G/G. No gas to surface. Pressures: Initial Hydrostatic 3812 Final Hydro. 3812 Initial Shut-in 3864 (?) Final Shut-in NR Initial Flow 983 Final Flow 1427
3		Drilled ahead with 8-3/4" bit
	6861'	Shale and sand SURVEY 6861' 4° 0'
4	6952'	Shale, sand and shells SURVEY 6952' 4° 15'

DIVISION OF OIL AND GAS
RECEIVED
JUL 21 1960
WOODLAND, CALIFORNIA

September-1959	Depth	
5	7049'	Shale SURVEY 7049' 4° 15'
6	7164'	Shale and shells
7	7306'	Shale SURVEY 7200' 5° 0'
8	7512'	Shale SURVEY 7446' 5° 0'
9	7640'	Shale SURVEY 7609' 5° 30'
10	7709'	Shale
11	7709'	Recovered bit, bit sub, two drill collars and Grant stabilizer. Fishing for Eastman survey instrument
12		Fishing
13	7711'	Shale and junk
		Fishing
14	7716'	Shale and junk
15		Fishing Recovered junk from survey instrument and drilled ahead.
	7830'	Shale
16	7952'	Shale
17	8031'	Shale SURVEY 8018' 5° 0'
18	8145'	Shale, streaks of sand SURVEY 8145' 4° 30'
19	8206'	Shale, streaks of sand
20	8222'	Shale
		Ran Schlumberger Induction Electric Log, Microlog and Dipmeter

DIVISION OF OIL AND GAS
RECEIVED
Jul 26 1960
WOODLAND, CALIFORNIA

RICHARD S. RHEEM, Operator
Well: Weaver Cordes 1

September-1959	Depth
21	8222'

Filled hole with heavy mud.

Will drill pipe hanging at 1112', pumped in and equalized 70 sacks of Type O Cement treated with 2% CaCl.

Located top of plug at 996'. Location and hardness of top of plug witnessed and approved by D.O.G.

Well turned over in this condition to the Landowner for conversion to a water well.

CHADEAYNE & WILKINSON
ATTORNEYS AT LAW
37 WEST TENTH STREET
TRACY, CALIFORNIA
P. O. BOX 338

J. KINGSLEY CHADEAYNE
G. CLAYTON WILKINSON

TERMINAL
5-1565

September 28, 1959

State of California
Department of Natural Resources
Division of Oil and Gas
Porter Building
511 Main Street
Woodland, California

Attention: Mr. F. E. Kasline
Deputy Supervisor

RE: Rheem - Cordes, Brown Lease
Our File No. 789

Gentlemen:

Our attorneys, Chadeayne & Wilkinson have advised us the contents of your letter of September 23, 1959 directed to them, concerning the conversion of Richard S. Rheem, Operator well No. "Weaver-Cordes" 1, Sec. 26, T. 2 S., R. 4 E., M. D. B. & M., San Joaquin County, for the purpose of a fresh water well.

Pursuant to that letter, this is to request that the placing of the ten foot surface plug be eliminated in the handling or abandonment of this well.

We would also advise you that we will, from date of abandonment thereof by Rheem and upon compliance by them of the terms and provisions of this lease, concerning such abandonment, assume full, complete and final responsibility for the well, and all matters in connection therewith.

Very truly yours,

J. C. Cordes

Mabel Cordes

JKC:jb

CC: Mr. Richard S. Rheem
1831 Truxtun Avenue
Bakersfield, California

DIVISION OF OIL AND GAS
RECEIVED
SEP 30 1959
WOODLAND, CALIFORNIA

CHADEAYNE & WILKINSON
ATTORNEYS AT LAW
37 WEST TENTH STREET
TRACY, CALIFORNIA
P. O. BOX 338

J. KINGSLEY CHADEAYNE
G. CLAYTON WILKINSON

TERMINAL
5-1565

September 22, 1959

Mr. F. E. Kasline
Division of Oil & Gas
511 Main Street
Woodland, California

RE: Oil and Gas Lease
Cordes & Brown
Our File No. 789

Dear Mr. Kasline:

We represent J. C. Cordes, Mabel Cordes, his wife and Mary M. Brown, lessors under certain leases covering Sections 27 and 26, Township 2 South, Range 4 East, M.D.B.&M. in San Joaquin County, leased December 31st, 1958 to Richard S. Rheem as lessee.

The lease provides, in paragraph 27 thereof, that upon abandonment of any well, the lessor shall have the right to request the casing be left therein, so that he may use same for purposes of a water well, provided that the amount of casing left, shall comply with the laws of the State of California, and the rules and regulations of any agencies thereof having jurisdiction of the matter.

Lessee has, during the last six weeks, been drilling a well on the leased premises and lessors are advised that the well is to be abandoned. It is the intention of lessors to exercise their option under paragraph 27 of said lease, as to said abandoned well, and they have been advised by Mr. James R. Weddle, oil and gas engineer of the Department of Natural Resources, that we should address this letter to you on their behalf, advising you of lessors intention to exercise said option and to use said well as a water well, and we would appreciate it if you would advise us anything necessary to comply with the regulations of your department.

Very truly yours,

CHADEAYNE & WILKINSON

J. Kingsley Chadeayne

JKC:jb

CC: Mr. Richard S. Rheem
1831 Truxton Avenue
Bakersfield, California

RDB

DIVISION OF OIL AND GAS
RECEIVED
SEP 23 1959
WOODLAND, CALIFORNIA

FORM 109-D

STATE OF CALIFORNIA
DEPARTMENT OF NATURAL RESOURCES

DIVISION OF OIL AND GAS

Special Report on Operations Witnessed

No. T 659-197

Mr. R. W. Anderson
1831 Truxtun Ave.
Bakersfield, California
Agent for RICHARD S. RHEEM, OPERATOR

Woodland, Calif.
October 2, 1959

DEAR SIR:

Operations at well No. "Weaver-Cordes" 1, Sec. 26, T. 2 S, R. 4 E, M.D. B & M. Field, in San Joaquin County, were witnessed on September 21, 1959, Mr. J. R. Weddle, representative of the supervisor was present from 1:30 p.m. to 2:45 p.m. There were also present R. Anderson, Engineer and C. Sheehan, Drilling Foreman

Present condition of well: 10 3/4" csg. 1092', T.D. 8222', plugged with cement 1112'-996',

The operations were performed for the purpose of witnessing the location and hardness of a cement plug placed from 1112' to 996' in the process of abandonment.

Mr. Sheehan reported:

1. An 8 3/4" hole was drilled from 1096' to 8222'.
2. On September 21, 1959, 70 sacks of cement was pumped into the hole through drill pipe hanging at 1112'.

THE ENGINEER NOTED the cement plug at the reported depth of 9996' supported all of the weight of the drill pipe.

THE LOCATION AND HARDNESS OF THE CEMENT PLUG AT THE REPORTED DEPTH OF 996' ARE APPROVED.

JRW:djs
cc: Mr. W. S. McBurnie

E. H. MUSSER
State Oil and Gas Supervisor

By F. E. Haslem Deputy

89949 1-59 15M ⓢ SPO

FORM 111

STATE OF CALIFORNIA
DEPARTMENT OF NATURAL RESOURCES

DIVISION OF OIL AND GAS

REPORT ON PROPOSED OPERATIONS

No. P 659-256

Mr. R. W. Andersen
1831 Truxtun Ave.
Bakersfield, California
Agent for RICHARD S. RHEEM, OPERATOR

Woodland, Calif.
October 2, 1959

DEAR SIR:

Your ____ proposal to abandon Well No. "Weaver-Cordes" 1,

Section 26, T. 2 S, R. 4 E, M.D. B. & M., -- Field, San Joaquin County,

dated Sept. 28, 1959, received Sept. 30, 1959, has been examined in conjunction with records filed in this office.

Present conditions as shown by the records and the proposal are as follows:

THE NOTICE STATES:

"THE PRESENT CONDITION OF THE WELL IS:

1. Total Depth: 8222'
2. Complete casing record, including plugs:
   1. 10-3/4" 32# casing cemented at 1092' in 15-1/2" hole with 585 sacks premixed with 4% gel.
   2. 8-3/4" hole drilled to 8222'.
   3. Induction-Electric log indicated no gas sands present.
3. Last Produced Never produced.

Additional Data for Dry Hole

4. Oil or Gas showings and results of tests:
   Test of interval 6725-6746' resulted in recovery of 1900' of 630 g/g salt water.
5. Geologic age at bottom: Cretaceous
6. Base of fresh water sands: Above shoe of surface casing at 830'."

PROPOSAL:

"THE PROPOSED WORK IS

1. Fill hole with heavy mud.
2. Hang drill pipe at 1112' and pump in and equalize 70 sacks of cement. Your Division to witness and approve location and hardness of top of plug above 1070'.
3. Turn well over to landowner, Mr. J. C. Cordes, 266 Hollywood Ave., Tracy, Calif., for conversion to water well."

DECISION:

THE PROPOSAL IS APPROVED PROVIDED THAT THE WELL SHALL BE SECURELY CAPPED AT THE SURFACE PENDING CONVERSION TO A WATER WELL.

Note: Location of well is 1320' N., 200' E. fr. S.W. cor. of Sec. 26.
Name of Landowner: Mr. J. C. Cordes, 266 Hollywood Ave., Tracy, California
Blanket Bond
FEK:dja

E. H. MUSSER, State Oil and Gas Supervisor

By J. E. Kastner, Deputy

cc: Mr. W. S. McBurnie
cc: Dept. of Water Resources

88444 7-57 60M SPO

FORM 109-D

STATE OF CALIFORNIA
DEPARTMENT OF NATURAL RESOURCES

DIVISION OF OIL AND GAS

Special Report on Operations Witnessed

No. T 659-148

Mr. R. W. Anderson
1831 Truxtun Ave.
Bakersfield, California
Agent for RICHARD S. RHEEM, OPERATOR

Woodland, Calif.
August 12, 1959

DEAR SIR:

Operations at well No. "Weaver-Cordes" 1, Sec. 26, T. 2 S, R. 4 E, M.D. B & M.
Field, in San Joaquin County, were witnessed on August 11, 1959. Mr. Donald D. Bruce, representative of the supervisor was present from 6:30 p.m. to 7:00 p.m. There were also present E. Robbins, Geologist and E. McCun, Driller

Present condition of well: 10 3/4" csm. 1092'. T.D. 2960' (drilling)

The operations were performed for the purpose of inspecting the blow-out prevention equipment.

Mr. Robbins reported:

1. On August 7, 1959, the 10 3/4" - 32.75 lb. surface casing was cemented at 1092' in a 15¾" hole with 585 sacks of cement premixed with 4% Gel. Cement returned to surface.
2. An 8 3/4" hole was being drilled ahead at 2960'.

THE ENGINEER NOTED that the well was equipped with blow-out prevention equipment to close in the well with the drill pipe either in or out of the hole.

THE BLOW-OUT PREVENTION EQUIPMENT AND INSTALLATION ARE APPROVED.

DDB:dja
cc: Mr. W. S. McBurnie

E. H. MUSSER
State Oil and Gas Supervisor

By J. E. Kinnear Deputy

115

89349 1-59 15M ③ SPO

FORM 111

STATE OF CALIFORNIA
DEPARTMENT OF NATURAL RESOURCES

DIVISION OF OIL AND GAS

REPORT ON PROPOSED OPERATIONS

No. P 659-190

Mr. R. W. Anderson
1831 Truxtun Ave.
Bakersfield, California
Agent for RICHARD S. RHEEM, OPERATOR

Woodland, Calif.
August 6, 1959

DEAR SIR:

Your proposal to drill Well No. "Weaver-Cordes" 1,

Section 26, T. 2 S, R. 4 E, M.D.B. & M., -- Field, San Joaquin County,

dated August 3, 1959 received August 5, 1959, has been examined in conjunction with records filed in this office.

Present conditions as shown by the records and the proposal are as follows:

THE NOTICE STATES:

"Legal description of mineral right lease, consisting of 160± acres, is as follows:
SW/4 of Sec. 26
Do mineral and surface leases coincide? Yes x
Location of Well: 1320 feet North along section line and 200 feet East at right angles to said line from the South West corner of section 26
Elevation of ground above sea level 160 feet USGS datum.
All depth measurements taken from top of K B which is 12 feet above ground."

PROPOSAL:

"PROPOSED CASING PROGRAM

Size of Casing Inches A.P.I.	Weight	Grade and Type	Top	Bottom	Cementing Depths
10-3/4	32	H-40	0	700'	700'
5-1/2	15 & 17	J-55	0	8500±	8500'

Intended zone or zones of completion: Cretaceous sands (Name) Various (Depth, top and bottom)

Estimated total depth 8500'
It is understood that if changes in this plan become necessary we are to notify you before running casing."

DECISION:

THE PROPOSAL IS APPROVED PROVIDED THAT:

1. The 10 3/4" surface casing shall be cemented with sufficient cement to fill behind this casing from the shoe to the ground surface.
2. Mud fluid of sufficient weight and proper consistency to prevent blow-outs shall be used in drilling, and the column of mud fluid shall be maintained to the surface at all times, particularly while pulling the drill pipe.
3. Adequate blow-out prevention equipment shall be provided and kept ready for operation at all times.
4. In the event the 5½" casing is cemented in the hole, fresh waters, if present below the 10 3/4" surface casing, shall be protected by cement behind the casing.
5. This Division shall be notified:
   a. To inspect blow-out prevention equipment prior to drilling below a depth of 1500'.
   b. To witness a test of each possible water shut-off.

E. H. MUSSER, State Oil and Gas Supervisor

By F. C. Kaline, Deputy

nket Bond
:dja
4-59 50M SPO cc: Mr. W. S. McBurnie

FORM 108. 95391 2-54 25,800 ④ SPO

STATE OF CALIFORNIA
DEPARTMENT OF NATURAL RESOURCES

DIVISION OF OIL AND GAS

Notice of Intention to Abandon Well

This notice must be given at least five days before work is to begin; one copy only

BAKERSFIELD, Calif. SEPT. 28, 19 59

DIVISION OF OIL AND GAS

In compliance with Division 3, Public Resources Code, notice is hereby given that it is our intention to abandon Well No. "WEAVER-CORDES" 1, Sec. 26, T. 2S, R. 4E, B. & M., ——, Field, SAN JOAQUIN, County, commencing work on SEPT. 21 19 59.

THE PRESENT CONDITION OF THE WELL IS:

1. Total Depth: 8222'

2. Complete casing record, including plugs:
   1. 10-3/4" 32# CASING CEMENTED AT 1092' IN 15-1/2" HOLE WITH 585 SACKS PREMIXED WITH 4% GEL.
   2. 8-3/4" HOLE DRILLED TO 8222'.
   3. INOUCTION-ELECTRIC LOG INDICATED NO GAS SANDS PRESENT.

3. Last Produced NEVER PRODUCED. (Date) (Oil, B/D) (Water, B/D)

ADDITIONAL DATA FOR DRY HOLE

4. Oil or Gas showings and results of tests:
   TEST OF INTERVAL 6725-6746' RESULTED IN RECOVERY OF 1900' OF 630 G/G SALT WATER.

5. Stratigraphic markers and depths:

6. Geologic age at bottom: CRETACEOUS
7. Base of fresh water sands: ABOVE SHOE OF SURFACE CASING AT 830'.

THE PROPOSED WORK IS

1. FILL HOLE WITH HEAVY MUD.
2. HANG DRILL PIPE AT 1112' AND PUMP IN AND EQUALIZE 70 SACKS OF CEMENT. YOUR DIVISION TO WITNESS AND APPROVE LOCATION AND HARDNESS OF TOP OF PLUG ABOVE 1070'.
3. TURN WELL OVER TO LANDOWNER, MR. J. C. CORDES, 266 HOLLYWOOD AVE., TRACY, CALIF., FOR CONVERSION TO WATER WELL.

MAP	LAT. BOOK	CARDS	BOND	FORMS 114	FORMS 121
9/26/59 10/3/59		✓	Bond	✓	✓

DIVISION OF OIL AND GAS
RECEIVED
SEP 30 1959
WOODLAND, CALIFORNIA

1831 TRUXTUN AVE.
(Address)

FA 7-5753
(Telephone No.)

RICHARD S. RHEEM, OPERATOR
(Name of Operator)

By R. S. Rheem

ADDRESS ONE COPY OF NOTICE TO DIVISION OF OIL AND GAS IN DISTRICT WHERE WELL IS LOCATED

FORM 105

STATE OF CALIFORNIA
DEPARTMENT OF NATURAL RESOURCES

DIVISION OF OIL AND GAS

Notice of Intention to Drill New Well

This notice and surety bond must be filed before drilling begins

077-00337

12

BAKERSFIELD, Calif. AUGUST 3, 19 59

DIVISION OF OIL AND GAS

In compliance with Section 3203, Division III, Article 4, Public Resources Code, notice is hereby given that it is our intention to commence the work of drilling well No. WEAVER-CORDES No. 1, Sec. 26, T. 2S, R. 4E, M. D. B. & M., ---- Field, SAN JOAQUIN County.

Legal description of mineral right lease, consisting of 160 ± acres, is as follows: SW/4 OF SEC. 26
(Attach map or plat to scale)

Do mineral and surface leases coincide? Yes X No ____ If answer is no, attach legal description of both surface and mineral leases, and map or plat to scale.

Location of Well: 1320 feet NORTH (Direction) along section line and 200 feet EAST (Direction) ~~property~~ at right angles to said line from the SOUTH WEST ~~property~~ corner of section 26

Elevation of ground above sea level 160 feet USGS datum.

All depth measurements taken from top of K B (Derrick Floor, Rotary Table or Kelly Bushing) which is 12 feet above ground.

PROPOSED CASING PROGRAM

SIZE OF CASING INCHES A.P.I.	WEIGHT	GRADE AND TYPE	TOP	BOTTOM	CEMENTING DEPTHS
~~10-3/4~~	32	H-40	0	700'	700'
5-1/2	15 & 17	J-55	0	8500'	8500'

E
NF
SW1/4

Intended zone or zones of completion: CRETACEOUS SANDS (Name) VARIOUS (Depth, top and bottom)

Estimated total depth 8500'

MAP	MAP BOOK	CARDS	BOND	FORMS 114	FORMS 121
WS-3	DDF 6/5/59	✓	Blanket Bond	✓	✓

077 00337

DIVISION OF OIL AND GAS
RECEIVED
AUG 5 1959
WOODLAND, CALIFORNIA

It is understood that if changes in this plan become necessary we are to notify you before running casing.

Address 1831 TRUXTUN AVE.
BAKERSFIELD, CALIF.

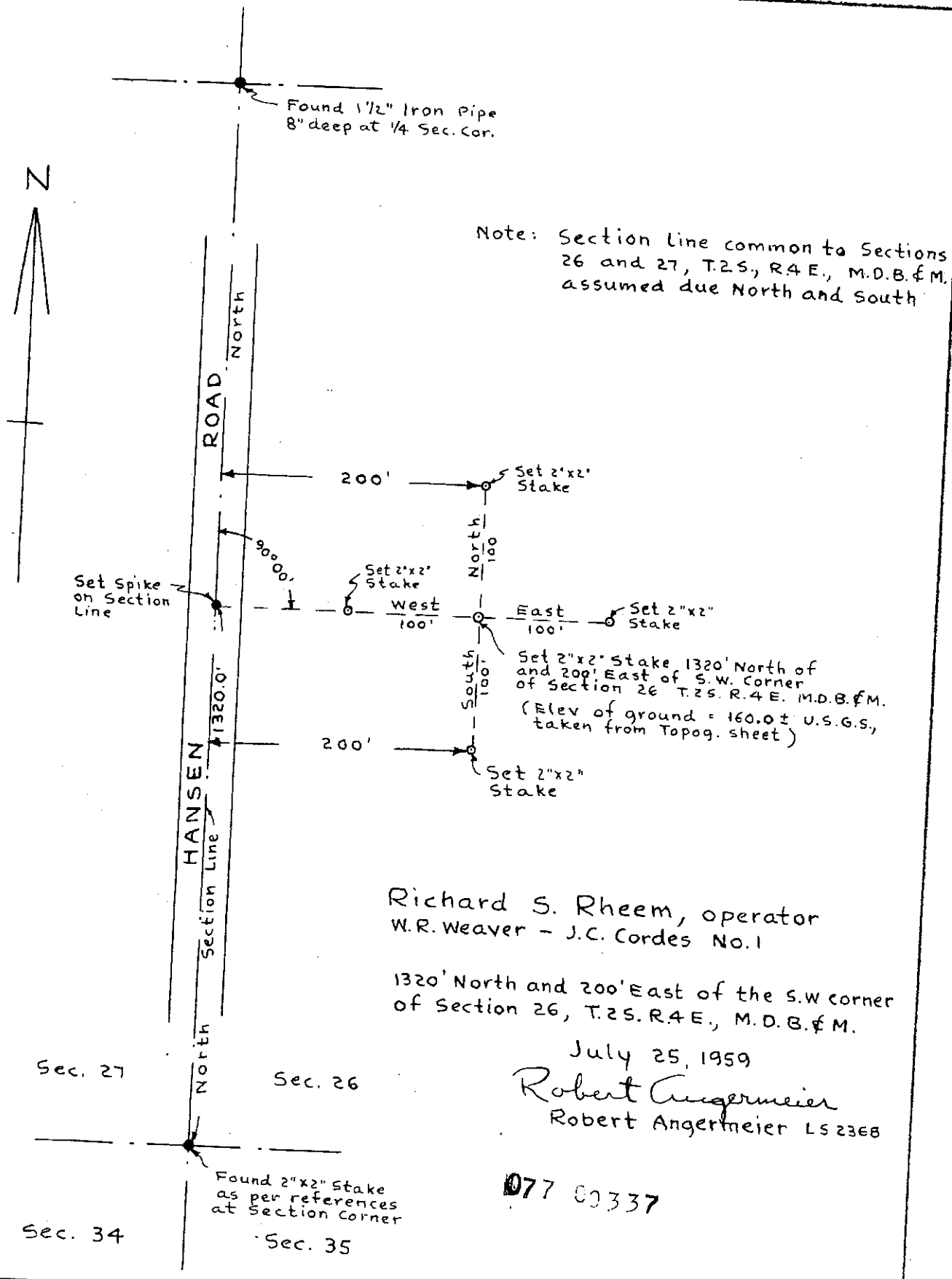
Telephone Number FA 7-5753

Type of Organization (Corporation, Partnership, Individual, etc.)

RICHARD S. RHEEM, OPERATOR
(Name of Operator)

By W. S. Newsom
ENGINEER

D06.



077 00337

Appendix F. Agency File Request Forms for Which Responses are Pending

Signed and Dated

THE PLANNING CENTER DC&E

Fax Transmittal

DATE	15 MARCH 2017
TO	Cheryl Field, SJCDEH
CONTACT	
FAX NO.	209 464-6138
FROM	KARL RODENBAUGH
SUBJECT	UST LOP / Gthe cleanup SL
PROJECT NO.	
NO. PAGES	2 (including this cover)

25501 PATTERSON PASS Road S.

Cheryl, Please call me or email me with any questions or comments.

Thank you

KARL RODENBAUGH

316 670-9221 ext 23

DATE RECEIVED

EHD LOG NUMBER

SAN JOAQUIN COUNTY
ENVIRONMENTAL HEALTH DEPARTMENT

1868 East Hazelton Avenue, Stockton, CA 95205-6232
Telephone: (209) 468-3420 **Fax:** (209) 464-0138 **Web:** www.sjgov.org/ehd

PUBLIC RECORDS RELEASE APPLICATION

APPLICANT: KARL RODENBAUGH **BUSINESS/AGENCY:** The Planning Center | DCAE

ADDRESS: 9841 Airport Blvd, Ste 1010 **CITY/STATE/ZIP:** Los Angeles, CA 90045

PHONE (1): 310-670-9221 ext 23 ~~**PHONE (2):**~~ email: krodenbaugh@planningcenter.com **FACSIMILE:** 310-670-9512

*TENTATIVE** APPOINTMENT DATE: _____ Time: _____

(Please allow 10 business days from date of application submittal - *_Tentative_ only - must be confirmed)

☐ CHECK BOX TO EXPEDITE REQUEST - $125 FEE (CASH OR CHECK ONLY) - REQUEST PROCESSED IN 3 BUSINESS DAYS

SIGNATURE OF APPLICANT _____ **DATE** 3/15/13

Electronic Information: ☐ List ☐ Map – Description: _____

FILE ADDRESS				EHD USE ONLY
	Street #	Street Name	City	☐ Unit 1
1.	25501	Patterson Pass Road S	Tracy	
2.		(Mountain House Parkway)		☐ Unit 2
3.				
4.				☐ Unit 3
5.				
6.				☐ Unit 4
7.				
8.				☐ Unit 5
9.				
10.				☐ Unit 6

Specific Date Range of Information Requested: From _____ **to** _____

ENVIRONMENTAL HEALTH DEPARTMENT FILES

- ☑ UNDERGROUND TANK (UST) CLEANUP SITE (LOP)
- ☑ OTHER CLEANUP SITE (NON-LOP)
- ☑ UNDERGROUND TANK (MONITORING/REMOVAL)
- ☑ ABOVEGROUND TANK
- ☐ HAZARDOUS WASTE/HAZARDOUS MATERIALS
- ☐ TIERED PERMITTED FACILITY
- ☐ TATTOO/BODY PIERCING
- ☐ MEDICAL WASTE FACILITY
- ☐ HOUSING ABATEMENT
- ☐ FOOD FACILITY
- ☐ CHICKEN RANCH/ DOG KENNEL
- ☐ MOTEL/HOTEL
- ☐ POOL/SPA
- ☐ COMPLAINT/RESPONSE RECORDS
- ☐ SOLID WASTE FACILITY/VEHICLE
- ☐ WASTE TIRE
- ☐ DAIRY
- ☐ WASTEWATER TREATMENT PLANT
- ☐ PUMPER TRUCK/YARD/CHEMICAL TOILETS
- ☐ LAND USE APPLICATION SITES
- ☐ OTHER (PLEASE SPECIFY)

WELL AND SEPTIC PERMIT RECORDS ARE AVAILABLE FOR REVIEW: MONDAY-FRIDAY 8:00 AM-5:00PM (EXCLUDING HOLIDAYS)

1. **List up to ten addresses in the space above. Select the type(s) of files from the list above by checking the appropriate box(es). At least one file type MUST be selected. Fax to (209) 464-0138 or mail to the address indicated above. Address ranges will not be accepted - for additional assistance with file addresses, contact the EHD. Applications received after 3:00 pm will be processed the next business day.**
2. **The EHD will notify the applicant if any EHD files exist. An appointment for review will be confirmed approximately ten (10) days after receipt of application. The files will be held for a maximum of five business days for review. Appointments should be scheduled accordingly.**
3. **A file that is actively being worked on by EHD staff may not be immediately available for review. A new application may be submitted when the file is available.**
4. **Any file not returned in the same condition as released will be reorganized by EHD staff at the expense of the applicant. Future file reviews by the same applicant may require a $125 deposit prior to review.** ***BOXED AREA - EHD USE ONLY***

☐ **Records provided by Staff-PPR Complete.** **Staff Name:**

TRANSMISSION VERIFICATION REPORT

TIME : 03/15/2013 11:12
NAME : THE PLANNING CENTER
FAX : 13106709512
TEL : 13106709215
SER.# : BROC7J626349

DATE,TIME	03/15 11:11
FAX NO./NAME	12094640138
DURATION	00:00:29
PAGE(S)	02
RESULT	OK
MODE	STANDARD ECM

APPENDIX L

TRANSPORTATION AND TRAFFIC

Transportation
Technical Appendix

Cordes Ranch Specific Plan EIR

Feburary 2013

WC11-2799

FEHR & PEERS

Appendix A
Raw Intersection Count Data

FEHR PEERS

All Traffic Data

(916) 771-8700

CITY OF TRACY
BIKES ON BANK 1

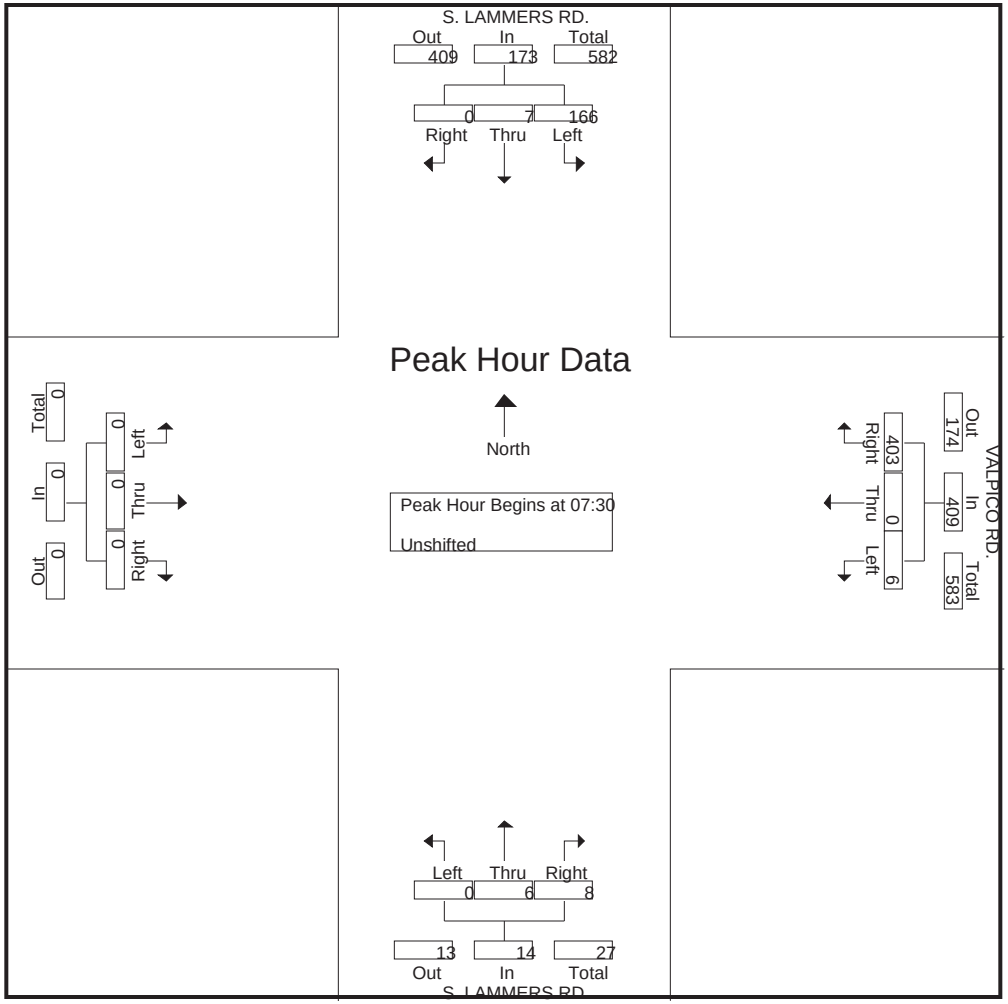
File Name : 11-7198-009 LAMMERS-VALPICO
Site Code : 00000000
Start Date : 5/5/2011
Page No : 1

Groups Printed- Unshifted

	S. LAMMERS RD. Southbound					VALPICO RD. Westbound					S. LAMMERS RD. Northbound					Eastbound							
Start Time	Left	Thr	Rig	Ped	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Exclu. Total	Inclu. Total	Int. Total
07:00	8	0	0	0	8	1	0	80	0	81	0	1	2	0	3	0	0	0	0	0	0	92	92
07:15	20	2	0	0	22	0	0	90	0	90	0	1	0	0	1	0	0	0	0	0	0	113	113
07:30	32	2	0	0	34	1	0	84	0	85	0	1	1	0	2	0	0	0	0	0	0	121	121
07:45	44	2	0	0	46	2	0	117	0	119	0	2	3	0	5	0	0	0	0	0	0	170	170
Total	104	6	0	0	110	4	0	371	0	375	0	5	6	0	11	0	0	0	0	0	0	496	496
08:00	40	0	0	0	40	0	0	126	0	126	0	2	1	0	3	0	0	0	0	0	0	169	169
08:15	50	3	0	0	53	3	0	76	0	79	0	1	3	0	4	0	0	0	0	0	0	136	136
08:30	29	2	0	0	31	2	0	55	0	57	0	0	2	0	2	0	0	0	0	0	0	90	90
08:45	29	3	0	0	32	0	0	44	0	44	0	0	0	0	0	0	0	0	0	0	0	76	76
Total	148	8	0	0	156	5	0	301	0	306	0	3	6	0	9	0	0	0	0	0	0	471	471
16:00	78	5	0	0	83	1	0	48	0	49	0	2	3	0	5	0	0	0	0	0	0	137	137
16:15	74	5	0	0	79	1	0	51	0	52	0	4	2	0	6	0	0	0	0	0	0	137	137
16:30	85	1	0	0	86	3	0	30	0	33	0	1	2	0	3	0	0	0	0	0	0	122	122
16:45	94	2	0	0	96	1	0	32	0	33	0	0	2	0	2	0	0	0	0	0	0	131	131
Total	331	13	0	0	344	6	0	161	0	167	0	7	9	0	16	0	0	0	0	0	0	527	527
17:00	86	3	0	0	89	2	0	40	0	42	0	2	3	0	5	0	0	0	0	0	0	136	136
17:15	93	0	0	0	93	3	0	36	0	39	0	2	0	0	2	0	0	0	0	0	0	134	134
17:30	91	4	0	0	95	1	0	40	0	41	0	1	1	0	2	0	0	0	0	0	0	138	138
17:45	85	2	0	0	87	1	0	45	0	46	0	1	1	0	2	0	0	0	0	0	0	135	135
Total	355	9	0	0	364	7	0	161	0	168	0	6	5	0	11	0	0	0	0	0	0	543	543
Grand Total	938	36	0	0	974	22	0	994	0	1016	0	21	26	0	47	0	0	0	0	0	0	2037	2037
Apprch %	96.3	3.7	0			2.2	0	97.8			0	44.7	55.3			0	0	0					
Total %	46	1.8	0		47.8	1.1	0	48.8		49.9	0	1	1.3		2.3	0	0	0		0	0	100	

	S. LAMMERS RD. Southbound				VALPICO RD. Westbound				S. LAMMERS RD. Northbound				Eastbound				
Start Time	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Int. Total
Peak Hour Analysis From 07:00 to 08:45 - Peak 1 of 1																	
Peak Hour for Entire Intersection Begins at 07:30																	
07:30	32	2	0	34	1	0	84	85	0	1	1	2	0	0	0	0	121
07:45	44	2	0	46	2	0	117	119	0	**2**	**3**	**5**	0	0	0	0	**170**
08:00	40	0	0	40	0	0	**126**	**126**	0	2	1	3	0	0	0	0	169
08:15	**50**	**3**	0	**53**	**3**	0	76	79	0	1	3	4	0	0	0	0	136
Total Volume	166	7	0	173	6	0	403	409	0	6	8	14	0	0	0	0	596

% App. Total	96	4	0		1.5	0	98.5		0	42.9	57.1		0	0	0		
PHF	.830	.583	.000	.816	.500	.000	.800	.812	.000	.750	.667	.700	.000	.000	.000	.000	.876



Peak Hour Analysis From 16:00 to 17:45 - Peak 1 of 1
Peak Hour for Entire Intersection Begins at 17:00

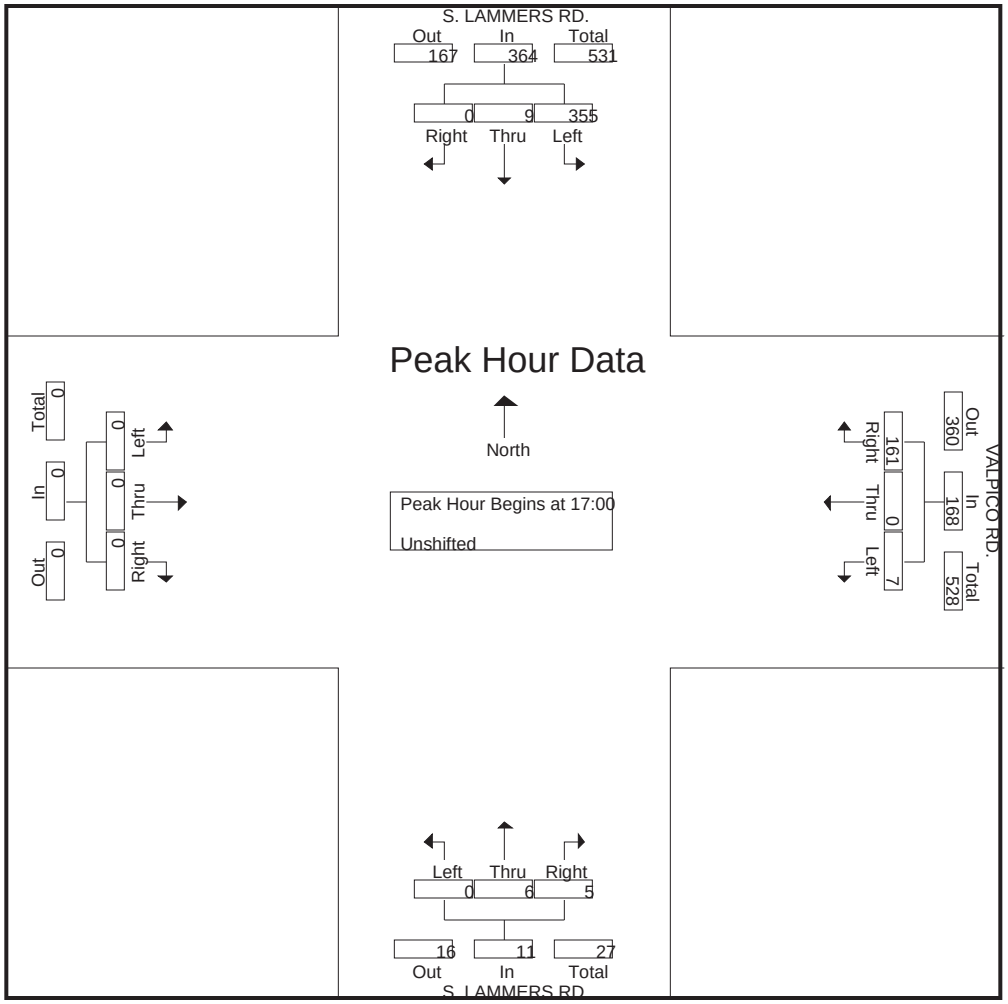
17:00	86	3	0	89	2	0	40	42	0	**2**	**3**	**5**	0	0	0	0	136
17:15	**93**	0	0	93	**3**	0	36	39	0	2	0	2	0	0	0	0	134
17:30	91	**4**	0	**95**	1	0	40	41	0	1	1	2	0	0	0	0	**138**
17:45	85	2	0	87	1	0	**45**	**46**	0	1	1	2	0	0	0	0	135
Total Volume	355	9	0	364	7	0	161	168	0	6	5	11	0	0	0	0	543
% App. Total	97.5	2.5	0		4.2	0	95.8		0	54.5	45.5		0	0	0		
PHF	.954	.563	.000	.958	.583	.000	.894	.913	.000	.750	.417	.550	.000	.000	.000	.000	.984

All Traffic Data

(916) 771-8700

CITY OF TRACY
BIKES ON BANK 1

File Name : 11-7198-009 LAMMERS-VALPICO
Site Code : 00000000
Start Date : 5/5/2011
Page No : 3



All Traffic Data

(916) 771-8700

CITY OF TRACY
BIKES ON BANK 1

File Name : 11-7198-008S LAMMERS-SCHULTE (S)
Site Code : 00000000
Start Date : 5/5/2011

Groups Printed- Bank 1

	S. LAMMERS RD. Southbound				W. SCHULTE RD (S) Westbound				S. LAMMERS RD. Northbound				Eastbound				
Start Time	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Int. Total
07:30	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	1
Total	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	1
Grand Total	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	1
Apprch %	0	0	0		0	0	0		0	100	0		0	0	0		
Total %	0	0	0	0	0	0	0	0	0	100	0	100	0	0	0	0	

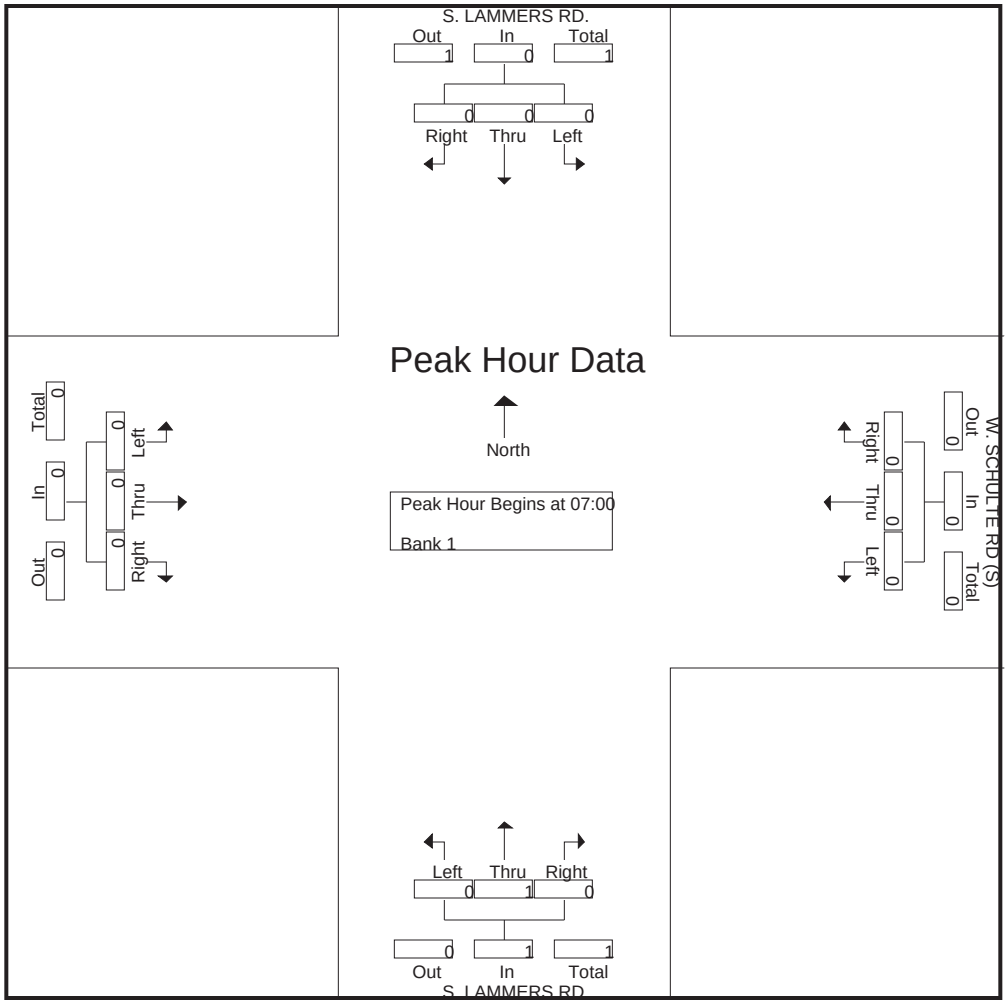
	S. LAMMERS RD. Southbound				W. SCHULTE RD (S) Westbound				S. LAMMERS RD. Northbound				Eastbound				
Start Time	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Int. Total
Peak Hour Analysis From 07:00 to 08:45 - Peak 1 of 1																	
Peak Hour for Entire Intersection Begins at 07:00																	
07:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
07:15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
07:30	0	0	0	0	0	0	0	0	0	**1**	0	**1**	0	0	0	0	**1**
07:45	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Volume	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	1
% App. Total	0	0	0		0	0	0		0	100	0		0	0	0		
PHF	.000	.000	.000	.000	.000	.000	.000	.000	.000	.250	.000	.250	.000	.000	.000	.000	.250

All Traffic Data

(916) 771-8700

CITY OF TRACY
BIKES ON BANK 1

File Name : 11-7198-008S LAMMERS-SCHULTE (S)
Site Code : 00000000
Start Date : 5/5/2011
Page No : 2



All Traffic Data

(916) 771-8700

CITY OF TRACY
BIKES ON BANK 1

File Name : 11-7198-008S LAMMERS-SCHULTE (S)
Site Code : 00000000
Start Date : 5/5/2011

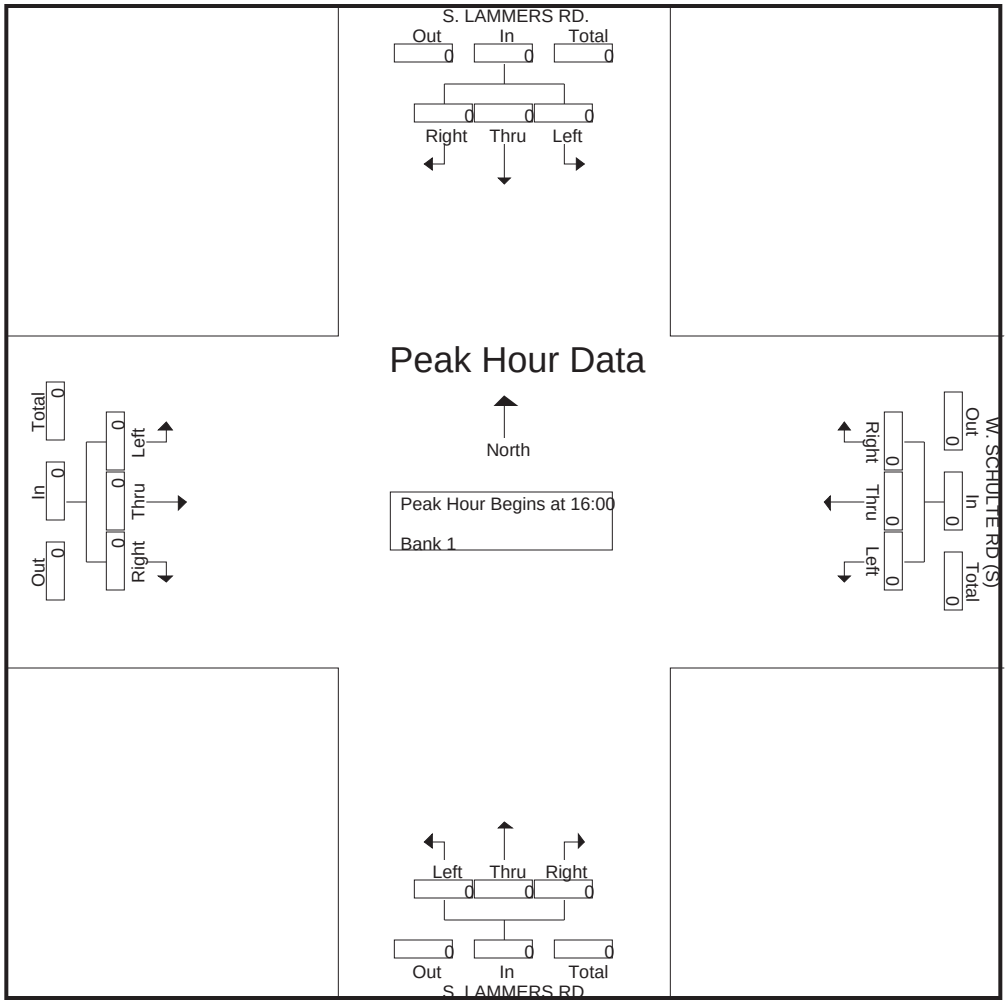
	S. LAMMERS RD. Southbound				W. SCHULTE RD (S) Westbound				S. LAMMERS RD. Northbound				Eastbound				
Start Time	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Int. Total
Peak Hour Analysis From 16:00 to 17:45 - Peak 1 of 1																	
Peak Hour for Entire Intersection Begins at 16:00																	
16:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16:15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16:45	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Volume	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
% App. Total	0	0	0		0	0	0		0	0	0		0	0	0		
PHF	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

All Traffic Data

(916) 771-8700

CITY OF TRACY
BIKES ON BANK 1

File Name : 11-7198-008S LAMMERS-SCHULTE (S)
Site Code : 00000000
Start Date : 5/5/2011
Page No : 4



All Traffic Data

(916) 771-8700

CITY OF TRACY
BIKES ON BANK 1

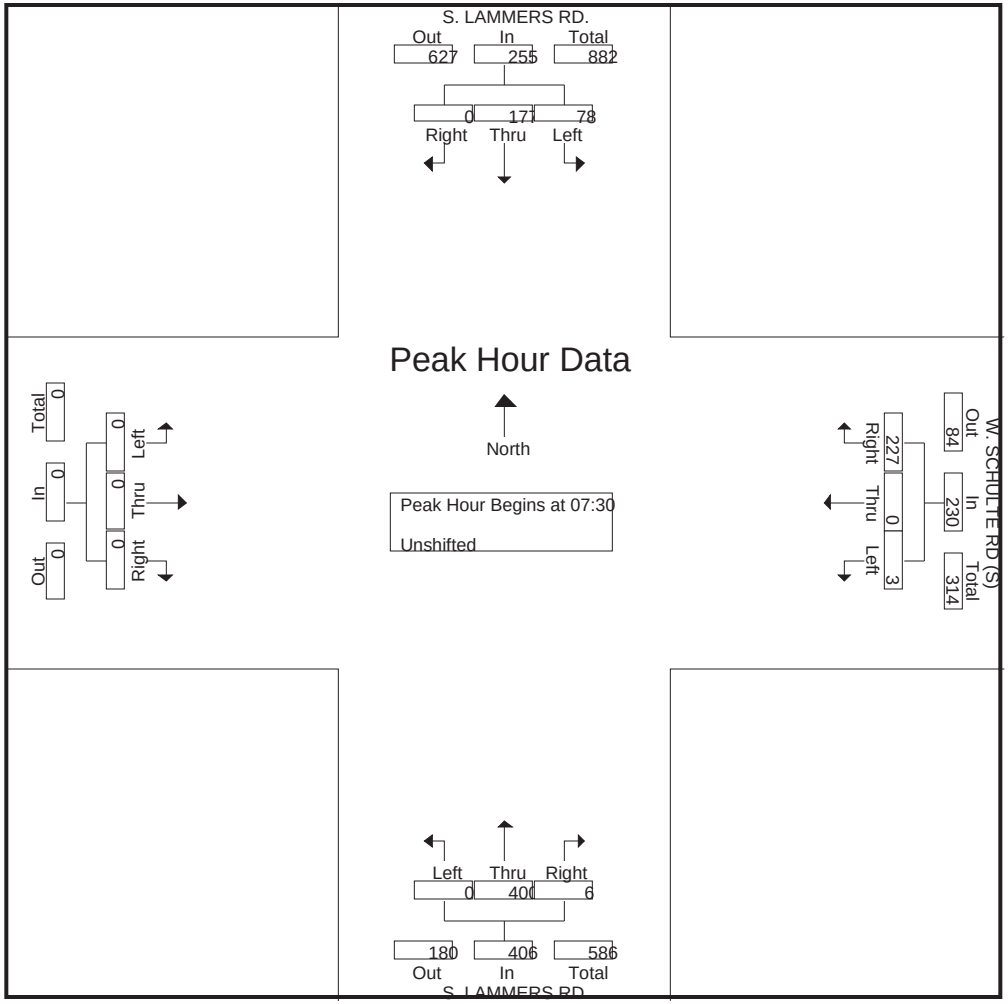
File Name : 11-7198-008S LAMMERS-SCHULTE (S)
Site Code : 00000000
Start Date : 5/5/2011
Page No : 1

Groups Printed- Unshifted

	S. LAMMERS RD. Southbound					W. SCHULTE RD (S) Westbound					S. LAMMERS RD. Northbound					Eastbound							
Start Time	Left	Thr	Rig	Ped	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Exclu. Total	Inclu. Total	Int. Total
07:00	5	8	0	0	13	0	0	33	0	33	0	83	0	0	83	0	0	0	0	0	0	129	129
07:15	4	21	0	0	25	2	0	30	0	32	0	88	0	0	88	0	0	0	0	0	0	145	145
07:30	9	37	0	0	46	0	0	41	0	41	0	85	0	0	85	0	0	0	0	0	0	172	172
07:45	13	46	0	0	59	1	0	53	0	54	0	112	2	0	114	0	0	0	0	0	0	227	227
Total	31	112	0	0	143	3	0	157	0	160	0	368	2	0	370	0	0	0	0	0	0	673	673
08:00	32	42	0	0	74	1	0	83	0	84	0	112	2	0	114	0	0	0	0	0	0	272	272
08:15	24	52	0	0	76	1	0	50	0	51	0	91	2	0	93	0	0	0	0	0	0	220	220
08:30	16	29	0	0	45	0	0	14	0	14	0	57	0	0	57	0	0	0	0	0	0	116	116
08:45	7	33	0	0	40	0	0	14	0	14	0	41	0	0	41	0	0	0	0	0	0	95	95
Total	79	156	0	0	235	2	0	161	0	163	0	301	4	0	305	0	0	0	0	0	0	703	703
16:00	21	81	0	0	102	1	0	17	0	18	0	50	0	0	50	0	0	0	0	0	0	170	170
16:15	35	79	0	0	114	0	0	9	0	9	0	49	0	0	49	0	0	0	0	0	0	172	172
16:30	36	89	0	0	125	0	0	7	0	7	0	29	0	0	29	0	0	0	0	0	0	161	161
16:45	33	96	0	0	129	0	0	16	0	16	0	33	0	0	33	0	0	0	0	0	0	178	178
Total	125	345	0	0	470	1	0	49	0	50	0	161	0	0	161	0	0	0	0	0	0	681	681
17:00	31	91	0	0	122	0	0	11	0	11	0	37	1	0	38	0	0	0	0	0	0	171	171
17:15	35	94	0	0	129	0	0	14	0	14	0	40	1	0	41	0	0	0	0	0	0	184	184
17:30	38	90	0	0	128	2	0	12	0	14	0	44	0	0	44	0	0	0	0	0	0	186	186
17:45	31	85	0	0	116	0	0	17	0	17	0	45	1	0	46	0	0	0	0	0	0	179	179
Total	135	360	0	0	495	2	0	54	0	56	0	166	3	0	169	0	0	0	0	0	0	720	720
Grand Total	370	973	0	0	1343	8	0	421	0	429	0	996	9	0	1005	0	0	0	0	0	0	2777	2777
Apprch %	27.6	72.4	0			1.9	0	98.1			0	99.1	0.9			0	0	0					
Total %	13.3	35	0		48.4	0.3	0	15.2		15.4	0	35.9	0.3		36.2	0	0	0		0	0	100	

	S. LAMMERS RD. Southbound				W. SCHULTE RD (S) Westbound				S. LAMMERS RD. Northbound				Eastbound				
Start Time	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Int. Total
Peak Hour Analysis From 07:00 to 08:45 - Peak 1 of 1																	
Peak Hour for Entire Intersection Begins at 07:30																	
07:30	9	37	0	46	0	0	41	41	0	85	0	85	0	0	0	0	172
07:45	13	46	0	59	**1**	0	53	54	0	**112**	**2**	**114**	0	0	0	0	227
08:00	**32**	42	0	74	1	0	**83**	**84**	0	112	2	114	0	0	0	0	**272**
08:15	24	**52**	0	**76**	1	0	50	51	0	91	2	93	0	0	0	0	220
Total Volume	78	177	0	255	3	0	227	230	0	400	6	406	0	0	0	0	891

% App. Total	30.6	69.4	0		1.3	0	98.7		0	98.5	1.5		0	0	0		
PHF	.609	.851	.000	.839	.750	.000	.684	.685	.000	.893	.750	.890	.000	.000	.000	.000	.819



Peak Hour Analysis From 16:00 to 17:45 - Peak 1 of 1
Peak Hour for Entire Intersection Begins at 17:00

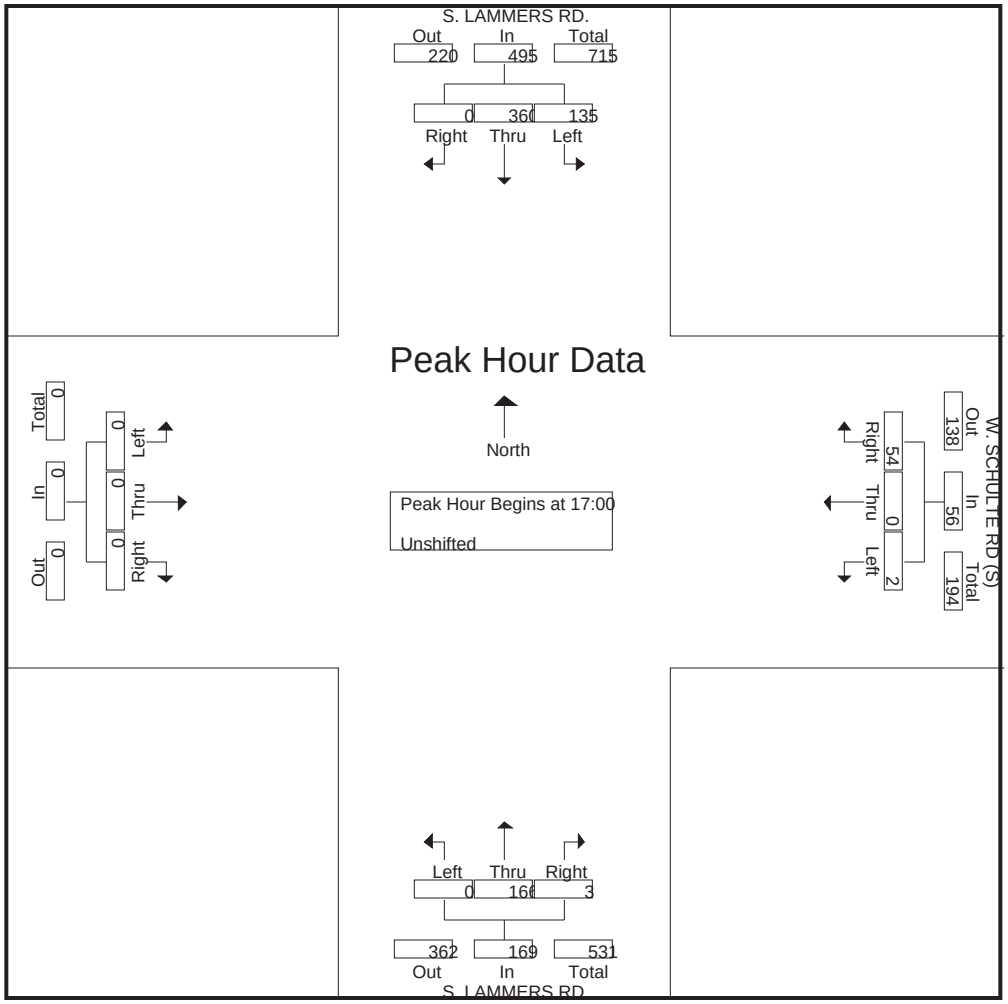
17:00	31	91	0	122	0	0	11	11	0	37	**1**	38	0	0	0	0	171
17:15	35	**94**	0	**129**	0	0	14	14	0	40	1	41	0	0	0	0	184
17:30	**38**	90	0	128	**2**	0	12	14	0	44	0	44	0	0	0	0	**186**
17:45	31	85	0	116	0	0	**17**	**17**	0	**45**	1	**46**	0	0	0	0	179
Total Volume	135	360	0	495	2	0	54	56	0	166	3	169	0	0	0	0	720
% App. Total	27.3	72.7	0		3.6	0	96.4		0	98.2	1.8		0	0	0		
PHF	.888	.957	.000	.959	.250	.000	.794	.824	.000	.922	.750	.918	.000	.000	.000	.000	.968

All Traffic Data

(916) 771-8700

CITY OF TRACY
BIKES ON BANK 1

File Name : 11-7198-008S LAMMERS-SCHULTE (S)
Site Code : 00000000
Start Date : 5/5/2011
Page No : 3



All Traffic Data

(916) 771-8700

CITY OF TRACY
BIKES ON BANK 1

File Name : 11-7198-008N LAMMERS-SCHULTE (N)
Site Code : 00000000
Start Date : 5/5/2011
Page No : 1

Groups Printed- Bank 1

	S. LAMMERS RD. Southbound				Westbound				S. LAMMERS RD. Northbound				W. SCHULTE RD (N) Eastbound				
Start Time	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Int. Total
07:45	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	1
Total	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	1
08:30	0	0	2	2	0	0	0	0	0	0	0	0	0	0	0	0	2
08:45	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1
Total	0	0	2	2	0	0	0	0	0	0	0	0	1	0	0	1	3
16:00	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	1
Total	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	1
Grand Total	0	0	3	3	0	0	0	0	0	1	0	1	1	0	0	1	5
Apprch %	0	0	100		0	0	0		0	100	0		100	0	0		
Total %	0	0	60	60	0	0	0	0	0	20	0	20	20	0	0	20	

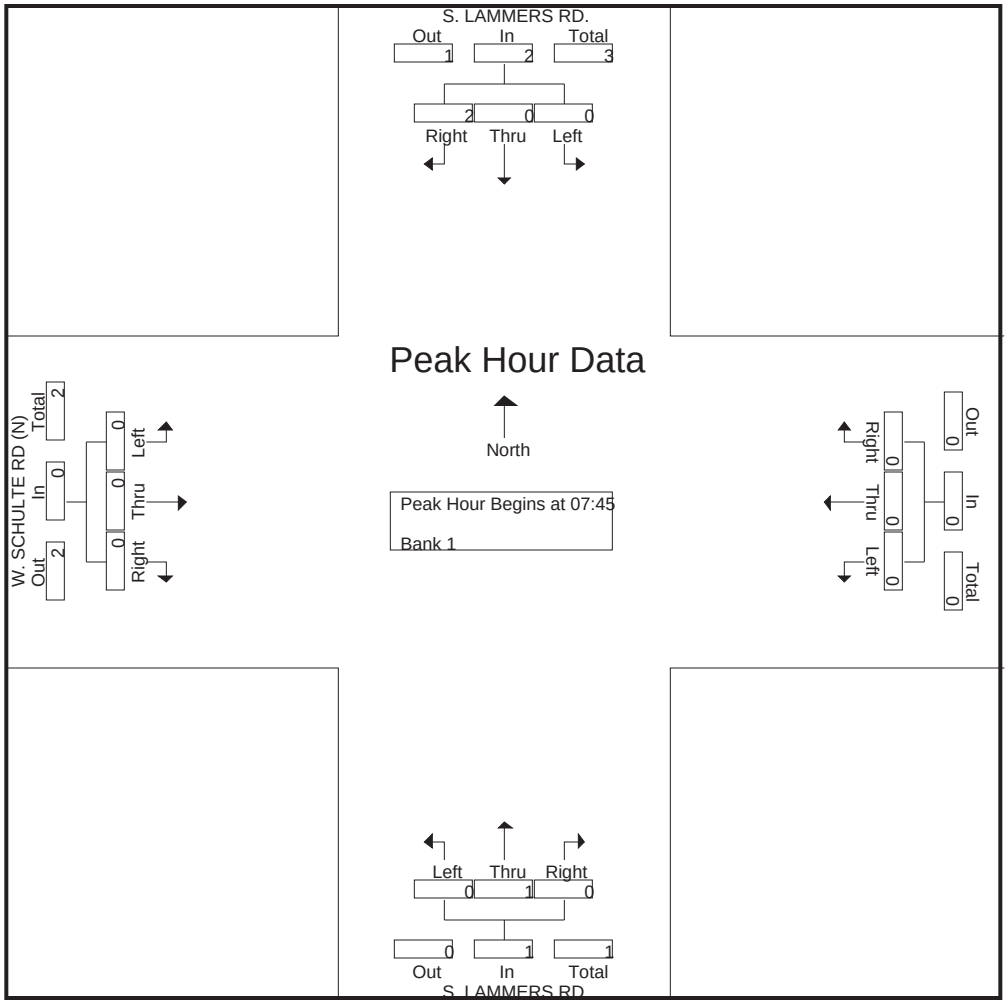
	S. LAMMERS RD. Southbound				Westbound				S. LAMMERS RD. Northbound				W. SCHULTE RD (N) Eastbound				
Start Time	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Int. Total
Peak Hour Analysis From 07:00 to 08:45 - Peak 1 of 1																	
Peak Hour for Entire Intersection Begins at 07:45																	
07:45	0	0	0	0	0	0	0	0	0	**1**	0	**1**	0	0	0	0	1
08:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
08:15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
08:30	0	0	**2**	**2**	0	0	0	0	0	0	0	0	0	0	0	0	**2**
Total Volume	0	0	2	2	0	0	0	0	0	1	0	1	0	0	0	0	3
% App. Total	0	0	100		0	0	0		0	100	0		0	0	0		
PHF	.000	.000	.250	.250	.000	.000	.000	.000	.000	.250	.000	.250	.000	.000	.000	.000	.375

All Traffic Data

(916) 771-8700

CITY OF TRACY
BIKES ON BANK 1

File Name : 11-7198-008N LAMMERS-SCHULTE (N)
Site Code : 00000000
Start Date : 5/5/2011
Page No : 2



All Traffic Data

(916) 771-8700

CITY OF TRACY
BIKES ON BANK 1

File Name : 11-7198-008N LAMMERS-SCHULTE (N)
Site Code : 00000000
Start Date : 5/5/2011

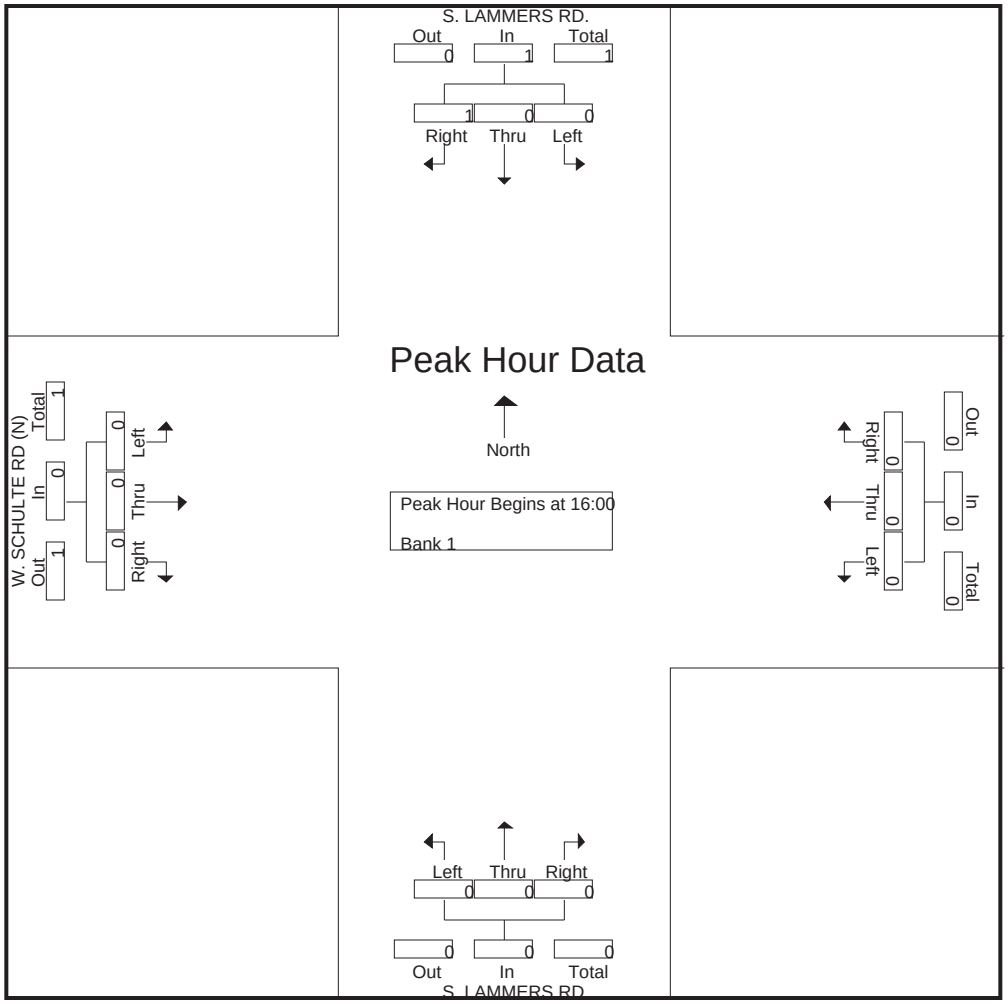
	S. LAMMERS RD. Southbound				Westbound				S. LAMMERS RD. Northbound				W. SCHULTE RD (N) Eastbound				
Start Time	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Int. Total
Peak Hour Analysis From 16:00 to 17:45 - Peak 1 of 1																	
Peak Hour for Entire Intersection Begins at 16:00																	
16:00	0	0	**1**	**1**	0	0	0	0	0	0	0	0	0	0	0	0	**1**
16:15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16:45	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Volume	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	1
% App. Total	0	0	100		0	0	0		0	0	0		0	0	0		
PHF	.000	.000	.250	.250	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.250

All Traffic Data

(916) 771-8700

CITY OF TRACY
BIKES ON BANK 1

File Name : 11-7198-008N LAMMERS-SCHULTE (N)
Site Code : 00000000
Start Date : 5/5/2011
Page No : 4



All Traffic Data

(916) 771-8700

CITY OF TRACY
BIKES ON BANK 1

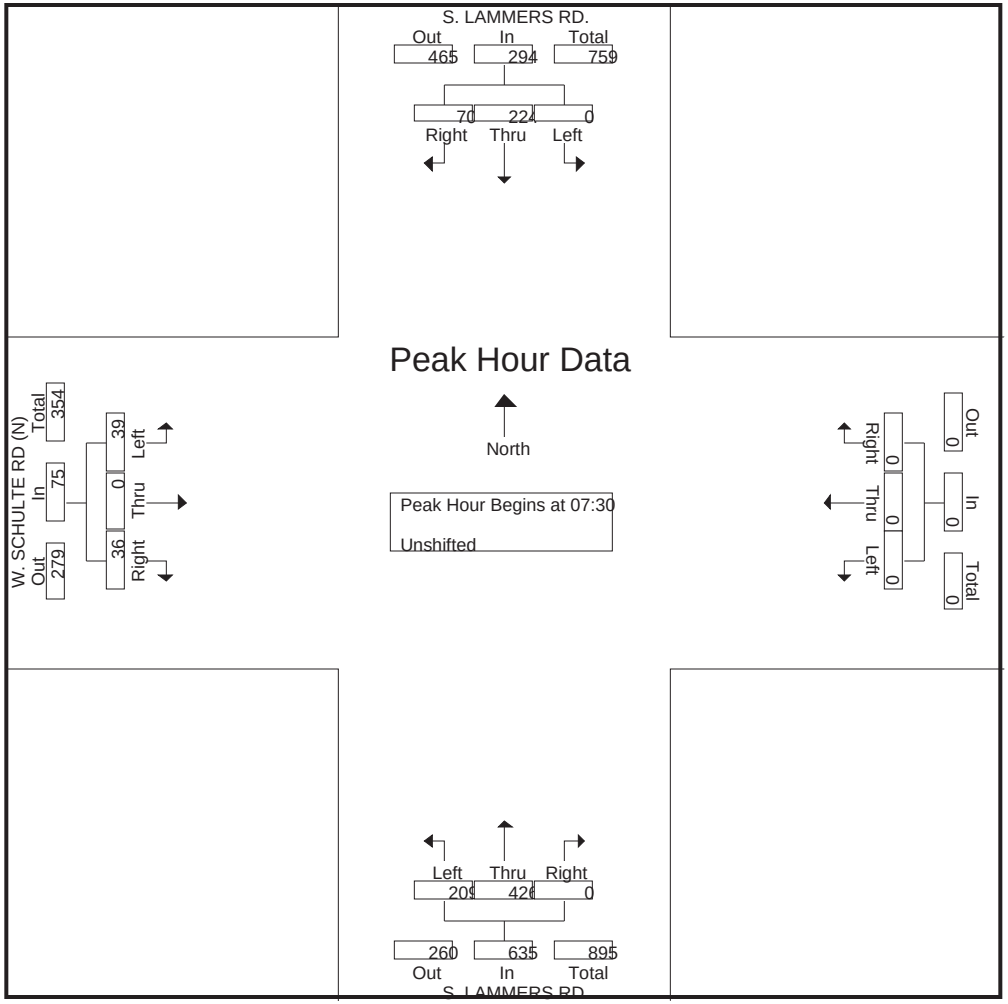
File Name : 11-7198-008N LAMMERS-SCHULTE (N)
Site Code : 00000000
Start Date : 5/5/2011
Page No : 1

Groups Printed- Unshifted

	S. LAMMERS RD. Southbound					Westbound					S. LAMMERS RD. Northbound					W. SCHULTE RD (N) Eastbound							
Start Time	Left	Thr	Rig	Ped	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Exclu. Total	Inclu. Total	Int. Total
07:00	0	8	28	0	36	0	0	0	0	0	95	19	0	0	114	24	0	4	0	28	0	178	178
07:15	0	13	22	0	35	0	0	0	0	0	104	15	0	0	119	3	0	8	0	11	0	165	165
07:30	0	36	21	0	57	0	0	0	0	0	84	44	0	0	128	7	0	10	0	17	0	202	202
07:45	0	47	12	0	59	0	0	0	0	0	54	101	0	0	155	5	0	11	0	16	0	230	230
Total	0	104	83	0	187	0	0	0	0	0	337	179	0	0	516	39	0	33	0	72	0	775	775
08:00	0	65	21	0	86	0	0	0	0	0	29	144	0	0	173	18	0	11	0	29	0	288	288
08:15	0	76	16	0	92	0	0	0	0	0	42	137	0	0	179	9	0	4	0	13	0	284	284
08:30	0	39	6	0	45	0	0	0	0	0	43	29	0	0	72	5	0	4	0	9	0	126	126
08:45	0	29	7	0	36	0	0	0	0	0	41	19	0	0	60	0	0	8	0	8	0	104	104
Total	0	209	50	0	259	0	0	0	0	0	155	329	0	0	484	32	0	27	0	59	0	802	802
16:00	0	59	9	0	68	0	0	0	0	0	17	49	0	0	66	21	0	41	0	62	0	196	196
16:15	0	52	5	0	57	0	0	0	0	0	19	41	0	0	60	15	0	64	0	79	0	196	196
16:30	0	41	9	0	50	0	0	0	0	0	14	22	0	0	36	28	0	81	0	109	0	195	195
16:45	0	50	9	0	59	0	0	0	0	0	17	29	0	0	46	18	0	81	0	99	0	204	204
Total	0	202	32	0	234	0	0	0	0	0	67	141	0	0	208	82	0	267	0	349	0	791	791
17:00	0	53	2	0	55	0	0	0	0	0	20	30	0	0	50	17	0	72	0	89	0	194	194
17:15	0	67	5	0	72	0	0	0	0	0	16	38	0	0	54	12	0	66	0	78	0	204	204
17:30	0	53	8	0	61	0	0	0	0	0	16	41	0	0	57	29	0	72	0	101	0	219	219
17:45	0	48	5	0	53	0	0	0	0	0	20	43	0	0	63	23	0	65	0	88	0	204	204
Total	0	221	20	0	241	0	0	0	0	0	72	152	0	0	224	81	0	275	0	356	0	821	821
Grand Total	0	736	185	0	921	0	0	0	0	0	631	801	0	0	1432	234	0	602	0	836	0	3189	3189
Apprch %	0	79.9	20.1			0	0	0			44.1	55.9	0			28	0	72					
Total %	0	23.1	5.8		28.9	0	0	0		0	19.8	25.1	0		44.9	7.3	0	18.9		26.2	0	100	

	S. LAMMERS RD. Southbound				Westbound				S. LAMMERS RD. Northbound				W. SCHULTE RD (N) Eastbound				
Start Time	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Int. Total
Peak Hour Analysis From 07:00 to 08:45 - Peak 1 of 1																	
Peak Hour for Entire Intersection Begins at 07:30																	
07:30	0	36	**21**	57	0	0	0	0	**84**	44	0	128	7	0	10	17	202
07:45	0	47	12	59	0	0	0	0	54	101	0	155	5	0	**11**	16	230
08:00	0	65	21	86	0	0	0	0	29	**144**	0	173	**18**	0	11	**29**	**288**
08:15	0	**76**	16	**92**	0	0	0	0	42	137	0	**179**	9	0	4	13	284
Total Volume	0	224	70	294	0	0	0	0	209	426	0	635	39	0	36	75	1004

% App. Total	0	76.2	23.8		0	0	0		32.9	67.1	0		52	0	48		
PHF	.000	.737	.833	.799	.000	.000	.000	.000	.622	.740	.000	.887	.542	.000	.818	.647	.872



Peak Hour Analysis From 16:00 to 17:45 - Peak 1 of 1
Peak Hour for Entire Intersection Begins at 16:45

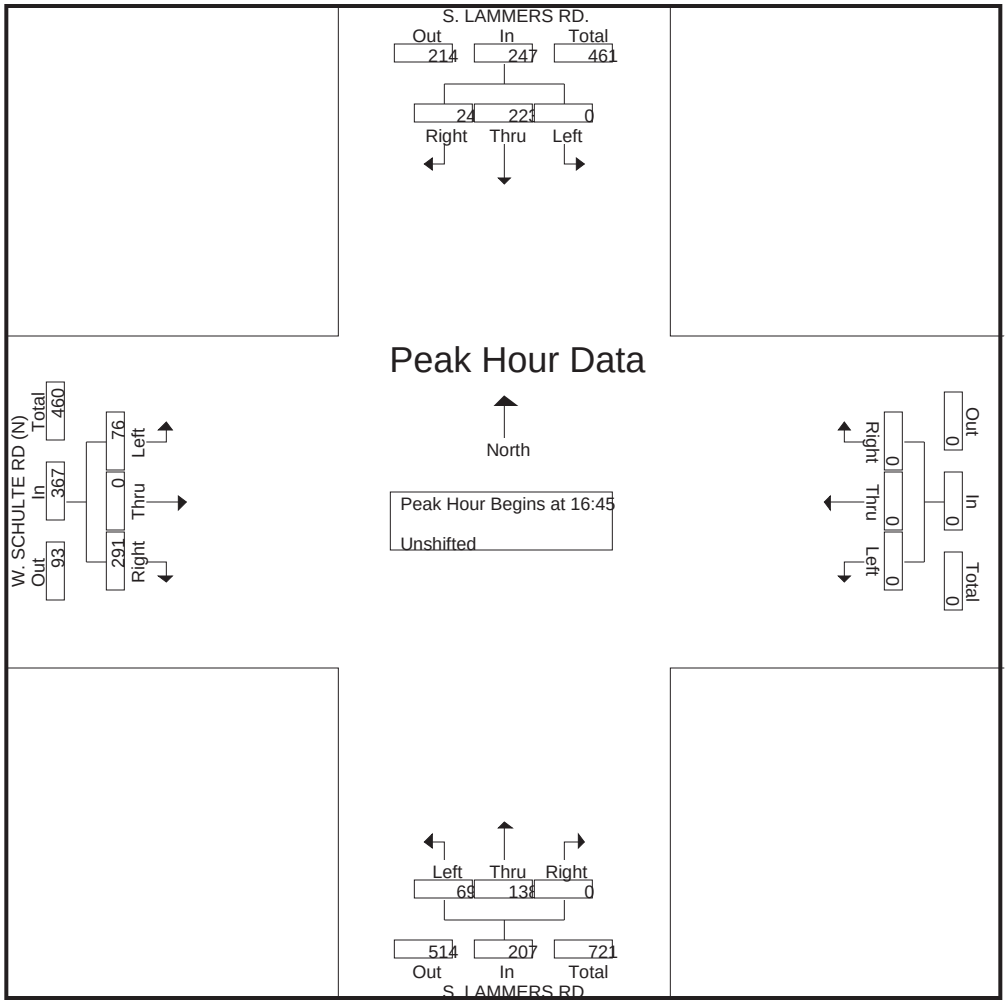
16:45	0	50	**9**	59	0	0	0	0	17	29	0	46	18	0	**81**	99	204
17:00	0	53	2	55	0	0	0	0	**20**	30	0	50	17	0	72	89	194
17:15	0	**67**	5	**72**	0	0	0	0	16	38	0	54	12	0	66	78	204
17:30	0	53	8	61	0	0	0	0	16	**41**	0	**57**	**29**	0	72	**101**	**219**
Total Volume	0	223	24	247	0	0	0	0	69	138	0	207	76	0	291	367	821
% App. Total	0	90.3	9.7		0	0	0		33.3	66.7	0		20.7	0	79.3		
PHF	.000	.832	.667	.858	.000	.000	.000	.000	.863	.841	.000	.908	.655	.000	.898	.908	.937

All Traffic Data

(916) 771-8700

CITY OF TRACY
BIKES ON BANK 1

File Name : 11-7198-008N LAMMERS-SCHULTE (N)
Site Code : 00000000
Start Date : 5/5/2011
Page No : 3



All Traffic Data

(916) 771-8700

CITY OF TRACY
BIKES ON BANK 1

File Name : 11-7198-007 LAMMERS-11th
Site Code : 00000000
Start Date : 5/5/2011
Page No : 1

Groups Printed- Bank 1

	S. LAMMERS RD. Southbound				W. 11th ST. Westbound				S. LAMMERS RD. Northbound				W. 11th ST. Eastbound				
Start Time	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Int. Total
08:15	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	1
Total	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	1
Grand Total	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	1
Apprch %	0	0	0		0	0	100		0	0	0		0	0	0		
Total %	0	0	0	0	0	0	100	100	0	0	0	0	0	0	0	0	

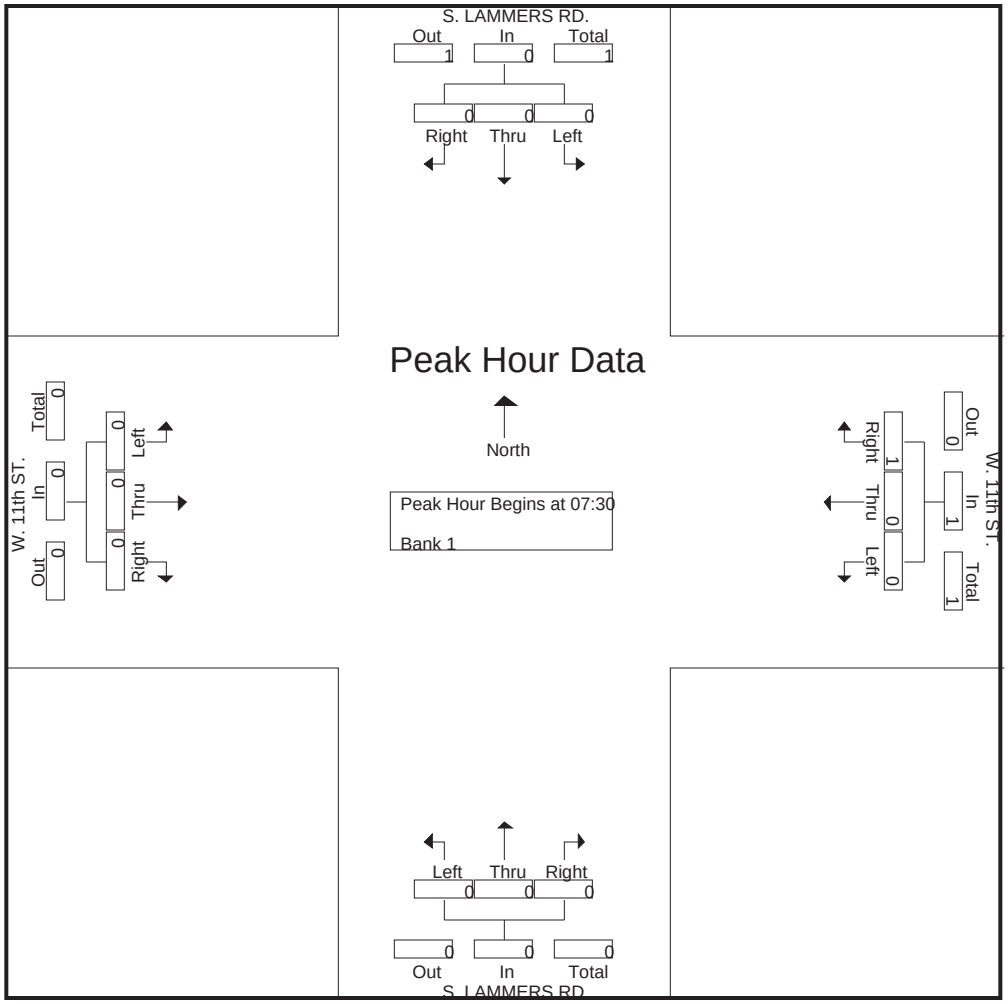
	S. LAMMERS RD. Southbound				W. 11th ST. Westbound				S. LAMMERS RD. Northbound				W. 11th ST. Eastbound				
Start Time	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Int. Total
Peak Hour Analysis From 07:00 to 08:45 - Peak 1 of 1																	
Peak Hour for Entire Intersection Begins at 07:30																	
07:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
07:45	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
08:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
08:15	0	0	0	0	0	0	**1**	**1**	0	0	0	0	0	0	0	0	**1**
Total Volume	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	1
% App. Total	0	0	0		0	0	100		0	0	0		0	0	0		
PHF	.000	.000	.000	.000	.000	.000	.250	.250	.000	.000	.000	.000	.000	.000	.000	.000	.250

All Traffic Data

(916) 771-8700

CITY OF TRACY
BIKES ON BANK 1

File Name : 11-7198-007 LAMMERS-11th
Site Code : 00000000
Start Date : 5/5/2011
Page No : 2



All Traffic Data

(916) 771-8700

CITY OF TRACY
BIKES ON BANK 1

File Name : 11-7198-007 LAMMERS-11th
Site Code : 00000000
Start Date : 5/5/2011
Page No : 3

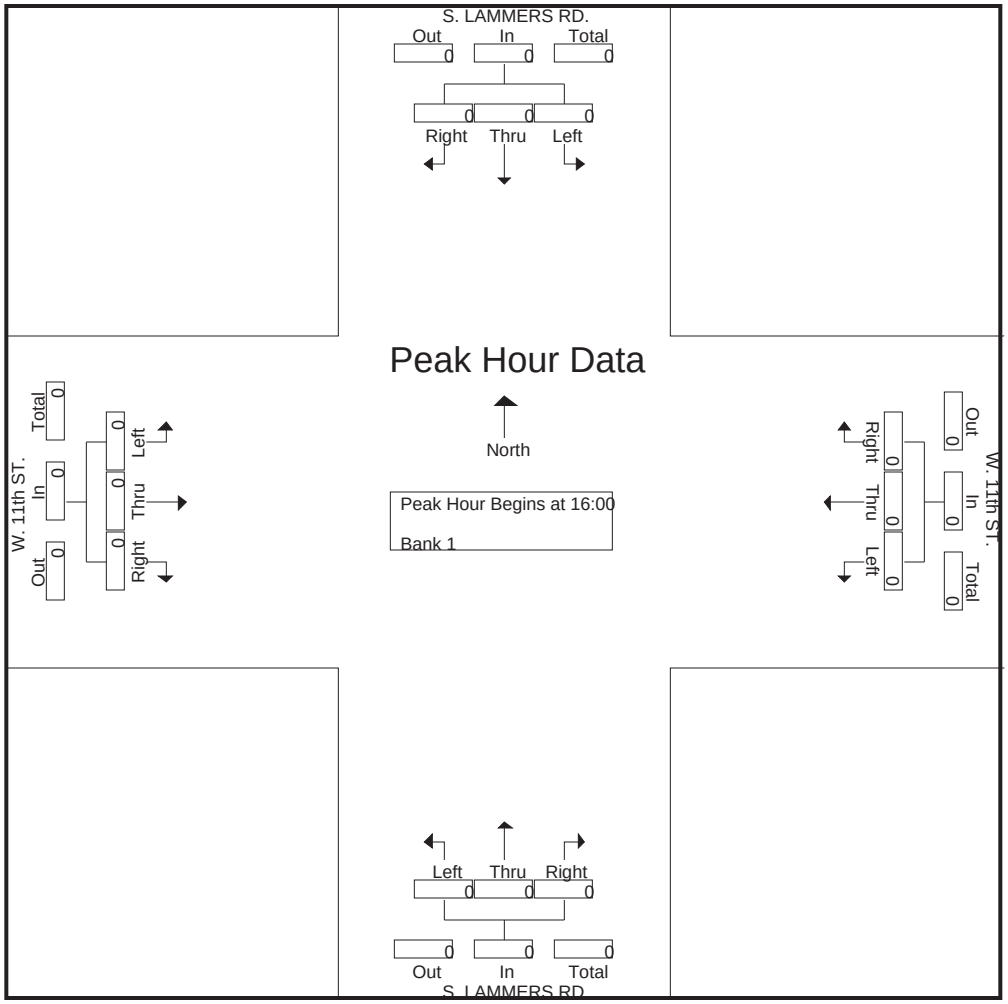
	S. LAMMERS RD. Southbound				W. 11th ST. Westbound				S. LAMMERS RD. Northbound				W. 11th ST. Eastbound				
Start Time	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Int. Total
Peak Hour Analysis From 16:00 to 17:45 - Peak 1 of 1																	
Peak Hour for Entire Intersection Begins at 16:00																	
16:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16:15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16:45	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Volume	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
% App. Total	0	0	0		0	0	0		0	0	0		0	0	0		
PHF	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

All Traffic Data

(916) 771-8700

CITY OF TRACY
BIKES ON BANK 1

File Name : 11-7198-007 LAMMERS-11th
Site Code : 00000000
Start Date : 5/5/2011
Page No : 4



All Traffic Data

(916) 771-8700

CITY OF TRACY
BIKES ON BANK 1

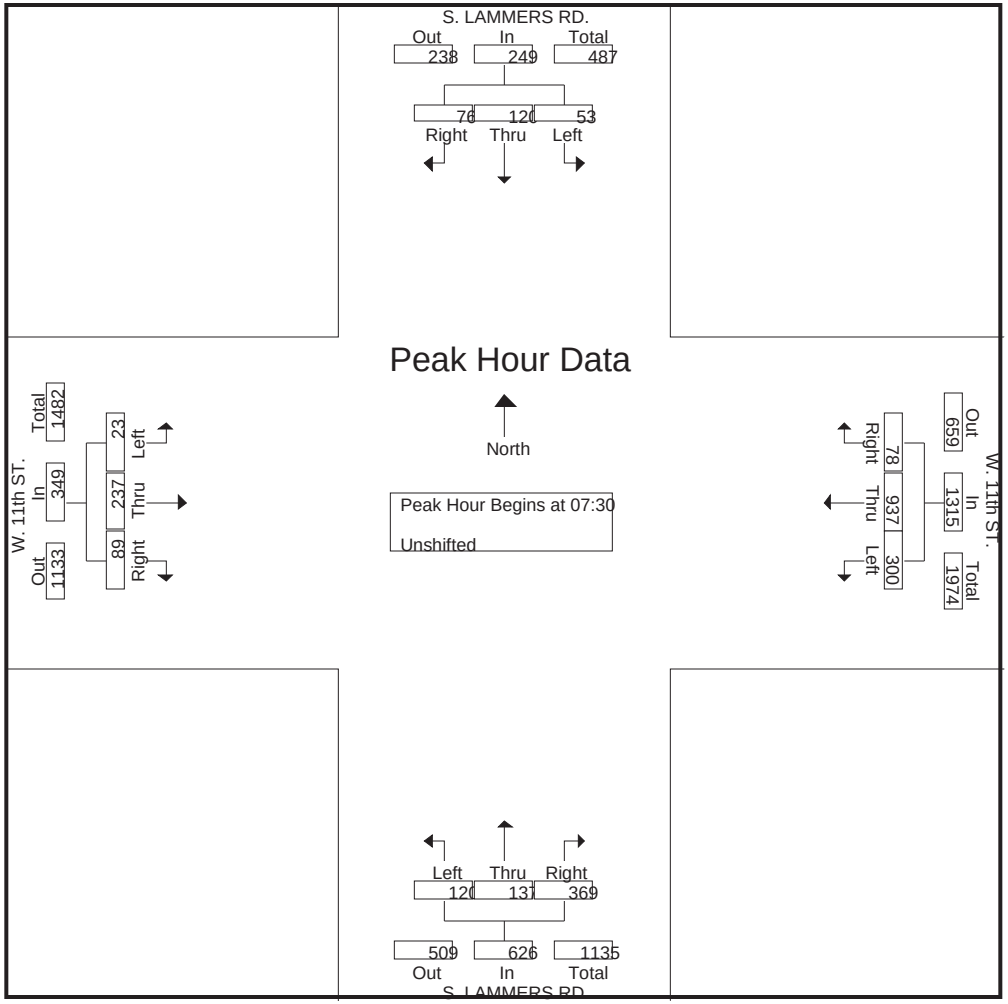
File Name : 11-7198-007 LAMMERS-11th
Site Code : 00000000
Start Date : 5/5/2011
Page No : 1

Groups Printed- Unshifted

	S. LAMMERS RD. Southbound					W. 11th ST. Westbound					S. LAMMERS RD. Northbound					W. 11th ST. Eastbound							
Start Time	Left	Thr	Rig	Ped	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Exclu. Total	Inclu. Total	Int. Total
07:00	2	12	27	0	41	19	314	6	0	339	13	30	26	0	69	4	49	4	0	57	0	506	506
07:15	7	14	21	0	42	23	258	9	2	290	16	15	21	0	52	3	56	7	0	66	2	450	452
07:30	16	23	29	0	68	31	257	9	3	297	25	18	49	0	92	5	67	14	0	86	3	543	546
07:45	14	30	20	0	64	67	199	25	2	291	14	25	51	0	90	6	63	18	0	87	2	532	534
Total	39	79	97	0	215	140	1028	49	7	1217	68	88	147	0	303	18	235	43	0	296	7	2031	2038
08:00	13	38	12	0	63	107	249	23	2	379	34	41	115	0	190	5	55	30	0	90	2	722	724
08:15	10	29	15	0	54	95	232	21	7	348	47	53	154	0	254	7	52	27	0	86	7	742	749
08:30	9	11	17	0	37	16	231	19	1	266	10	17	42	0	69	5	67	4	0	76	1	448	449
08:45	8	18	17	0	43	12	168	17	2	197	16	16	12	0	44	3	62	8	0	73	2	357	359
Total	40	96	61	0	197	230	880	80	12	1190	107	127	323	0	557	20	236	69	0	325	12	2269	2281
16:00	16	41	6	0	63	33	83	14	0	130	14	31	53	0	98	29	241	25	0	295	0	586	586
16:15	16	30	9	0	55	45	83	19	0	147	7	31	51	0	89	25	264	15	0	304	0	595	595
16:30	16	22	4	0	42	25	102	23	0	150	8	22	34	0	64	29	275	20	0	324	0	580	580
16:45	14	31	11	0	56	27	86	23	0	136	13	17	57	0	87	26	278	25	0	329	0	608	608
Total	62	124	30	0	216	130	354	79	0	563	42	101	195	0	338	109	1058	85	0	1252	0	2369	2369
17:00	17	24	8	0	49	30	86	13	0	129	7	30	51	0	88	24	275	19	0	318	0	584	584
17:15	17	46	6	0	69	27	127	19	0	173	9	32	59	0	100	36	297	22	0	355	0	697	697
17:30	23	30	4	0	57	29	97	14	0	140	14	33	29	0	76	39	304	29	0	372	0	645	645
17:45	16	26	13	0	55	33	84	20	3	137	11	32	49	0	92	20	332	21	0	373	3	657	660
Total	73	126	31	0	230	119	394	66	3	579	41	127	188	0	356	119	1208	91	0	1418	3	2583	2586
Grand Total	214	425	219	0	858	619	2656	274	22	3549	258	443	853	0	1554	266	2737	288	0	3291	22	9252	9274
Apprch %	24.9	49.5	25.5			17.4	74.8	7.7			16.6	28.5	54.9			8.1	83.2	8.8					
Total %	2.3	4.6	2.4		9.3	6.7	28.7	3		38.4	2.8	4.8	9.2		16.8	2.9	29.6	3.1		35.6	0.2	99.8	

	S. LAMMERS RD. Southbound				W. 11th ST. Westbound				S. LAMMERS RD. Northbound				W. 11th ST. Eastbound				
Start Time	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Int. Total
Peak Hour Analysis From 07:00 to 08:45 - Peak 1 of 1																	
Peak Hour for Entire Intersection Begins at 07:30																	
07:30	**16**	23	**29**	**68**	31	**257**	9	297	25	18	49	92	5	**67**	14	86	543
07:45	14	30	20	64	67	199	**25**	291	14	25	51	90	6	63	18	87	532
08:00	13	**38**	12	63	**107**	249	23	**379**	34	41	115	190	5	55	**30**	**90**	722
08:15	10	29	15	54	95	232	21	348	**47**	**53**	**154**	**254**	**7**	52	27	86	**742**
Total Volume	53	120	76	249	300	937	78	1315	120	137	369	626	23	237	89	349	2539

% App. Total	21.3	48.2	30.5		22.8	71.3	5.9		19.2	21.9	58.9		6.6	67.9	25.5		
PHF	.828	.789	.655	.915	.701	.911	.780	.867	.638	.646	.599	.616	.821	.884	.742	.969	.855



Peak Hour Analysis From 16:00 to 17:45 - Peak 1 of 1
Peak Hour for Entire Intersection Begins at 17:00

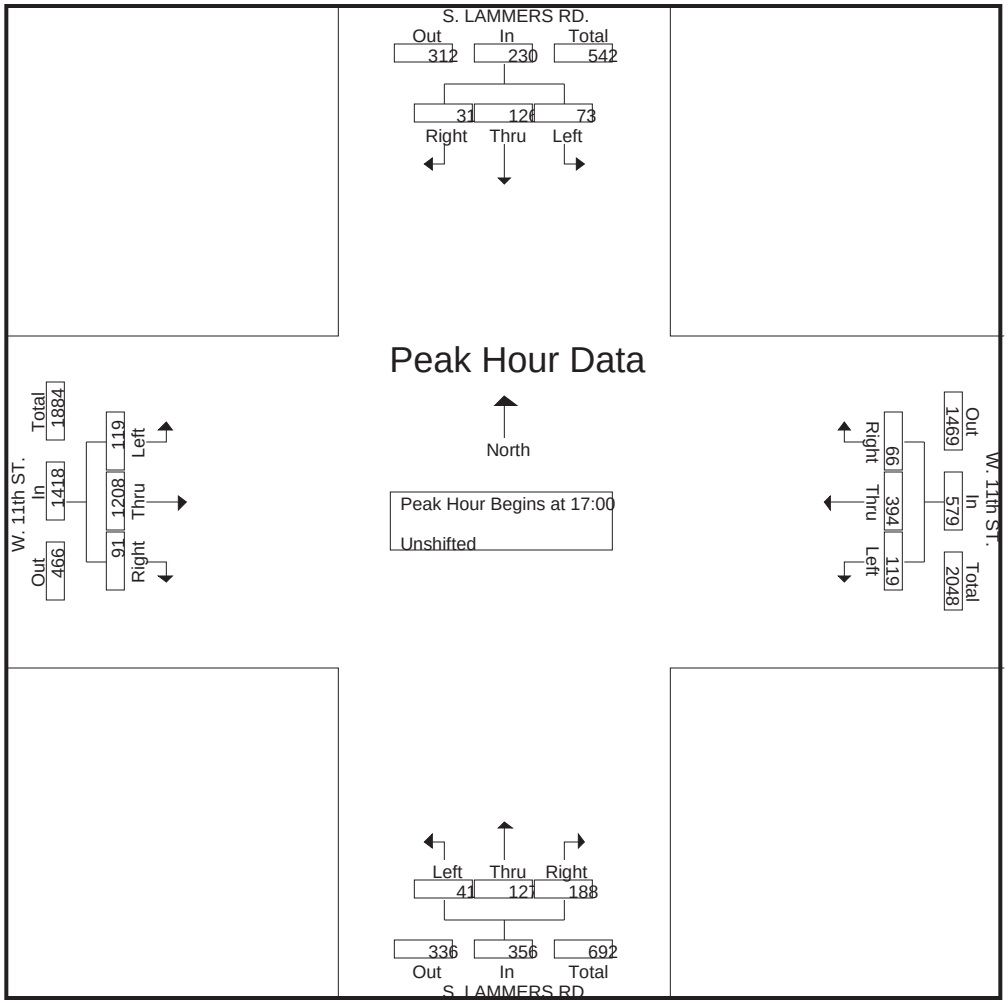
17:00	17	24	8	49	30	86	13	129	7	30	51	88	24	275	19	318	584
17:15	17	**46**	6	**69**	27	**127**	19	**173**	9	32	**59**	**100**	36	297	22	355	**697**
17:30	**23**	30	4	57	29	97	14	140	**14**	**33**	29	76	**39**	304	**29**	372	645
17:45	16	26	**13**	55	**33**	84	**20**	137	11	32	49	92	20	**332**	21	**373**	657
Total Volume	73	126	31	230	119	394	66	579	41	127	188	356	119	1208	91	1418	2583
% App. Total	31.7	54.8	13.5		20.6	68	11.4		11.5	35.7	52.8		8.4	85.2	6.4		
PHF	.793	.685	.596	.833	.902	.776	.825	.837	.732	.962	.797	.890	.763	.910	.784	.950	.926

All Traffic Data

(916) 771-8700

CITY OF TRACY
BIKES ON BANK 1

File Name : 11-7198-007 LAMMERS-11th
Site Code : 00000000
Start Date : 5/5/2011
Page No : 3



All Traffic Data

(916) 771-8700

CITY OF TRACY
BIKES ON BANK 1

File Name : 11-7198-006 HANSEN-SCHULTE
Site Code : 00000000
Start Date : 5/5/2011
Page No : 1

Groups Printed- Bank 1

	HANSEN RD. Southbound				W. SCHULTE RD. Westbound				HANSEN RD. Northbound				W. SCHULTE RD. Eastbound				
Start Time	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Int. Total
08:45	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	1
Total	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	1
16:15	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	1
Total	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	1
Grand Total	0	0	0	0	0	1	1	2	0	0	0	0	0	0	0	0	2
Apprch %	0	0	0		0	50	50		0	0	0		0	0	0		
Total %	0	0	0	0	0	50	50	100	0	0	0	0	0	0	0	0	

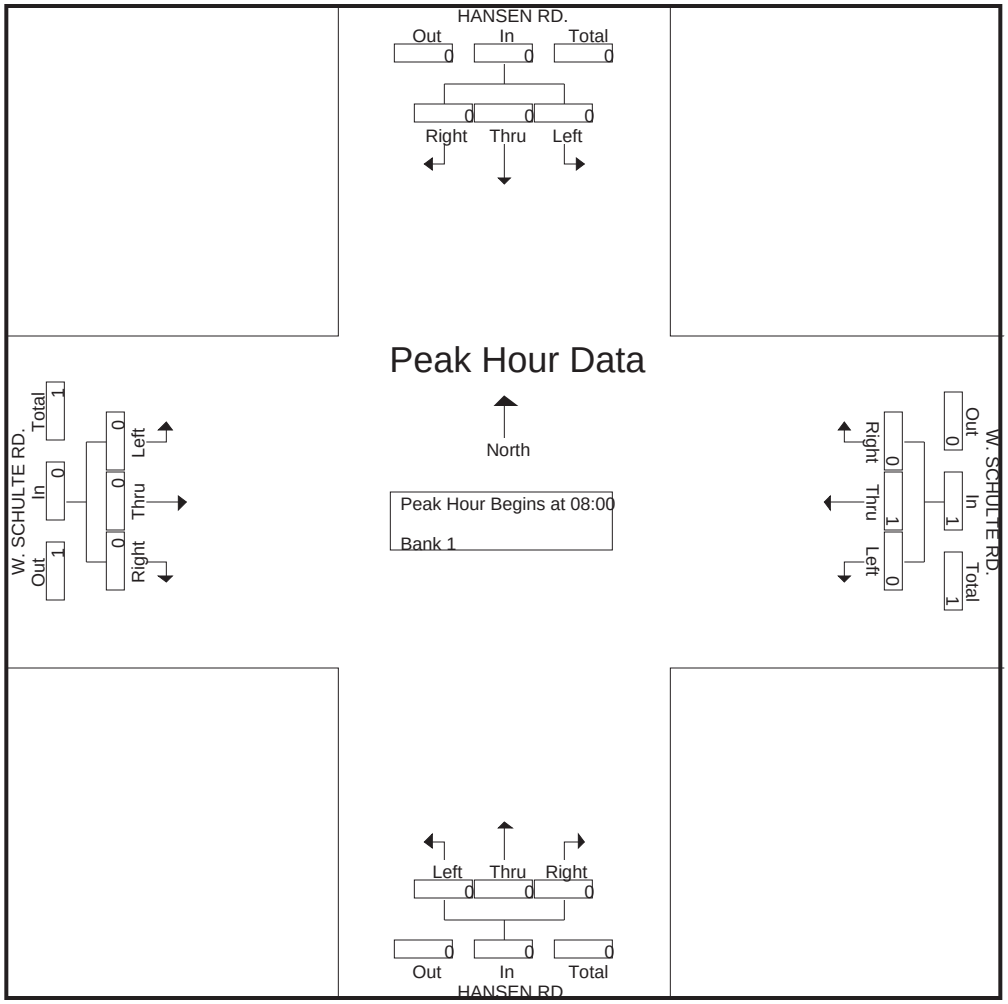
	HANSEN RD. Southbound				W. SCHULTE RD. Westbound				HANSEN RD. Northbound				W. SCHULTE RD. Eastbound				
Start Time	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Int. Total
Peak Hour Analysis From 07:00 to 08:45 - Peak 1 of 1																	
Peak Hour for Entire Intersection Begins at 08:00																	
08:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
08:15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
08:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
08:45	0	0	0	0	0	**1**	0	**1**	0	0	0	0	0	0	0	0	**1**
Total Volume	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	1
% App. Total	0	0	0		0	100	0		0	0	0		0	0	0		
PHF	.000	.000	.000	.000	.000	.250	.000	.250	.000	.000	.000	.000	.000	.000	.000	.000	.250

All Traffic Data

(916) 771-8700

CITY OF TRACY
BIKES ON BANK 1

File Name : 11-7198-006 HANSEN-SCHULTE
Site Code : 00000000
Start Date : 5/5/2011
Page No : 2



All Traffic Data

(916) 771-8700

CITY OF TRACY
BIKES ON BANK 1

File Name : 11-7198-006 HANSEN-SCHULTE
Site Code : 00000000
Start Date : 5/5/2011

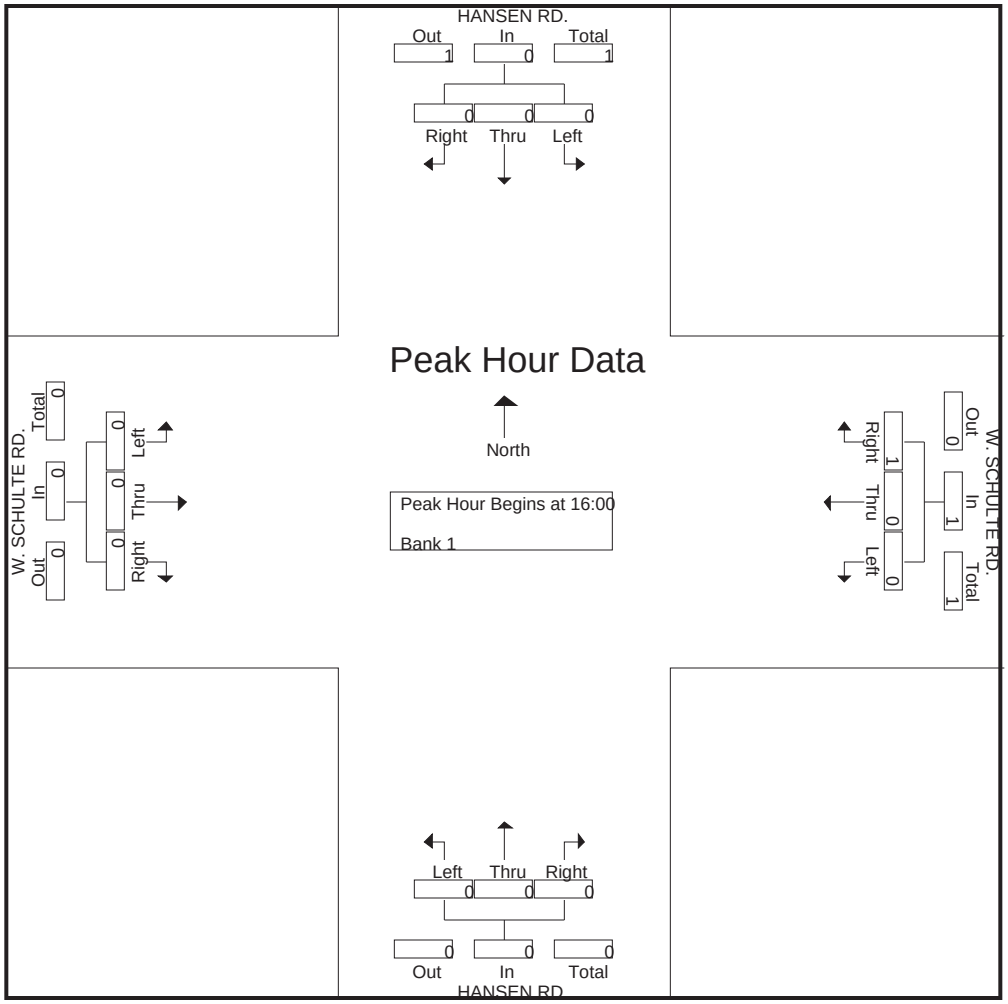
	HANSEN RD. Southbound				W. SCHULTE RD. Westbound				HANSEN RD. Northbound				W. SCHULTE RD. Eastbound				
Start Time	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Int. Total
Peak Hour Analysis From 16:00 to 17:45 - Peak 1 of 1																	
Peak Hour for Entire Intersection Begins at 16:00																	
16:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16:15	0	0	0	0	0	0	**1**	**1**	0	0	0	0	0	0	0	0	**1**
16:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16:45	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Volume	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	1
% App. Total	0	0	0		0	0	100		0	0	0		0	0	0		
PHF	.000	.000	.000	.000	.000	.000	.250	.250	.000	.000	.000	.000	.000	.000	.000	.000	.250

All Traffic Data

(916) 771-8700

CITY OF TRACY
BIKES ON BANK 1

File Name : 11-7198-006 HANSEN-SCHULTE
Site Code : 00000000
Start Date : 5/5/2011
Page No : 4



All Traffic Data

(916) 771-8700

CITY OF TRACY
BIKES ON BANK 1

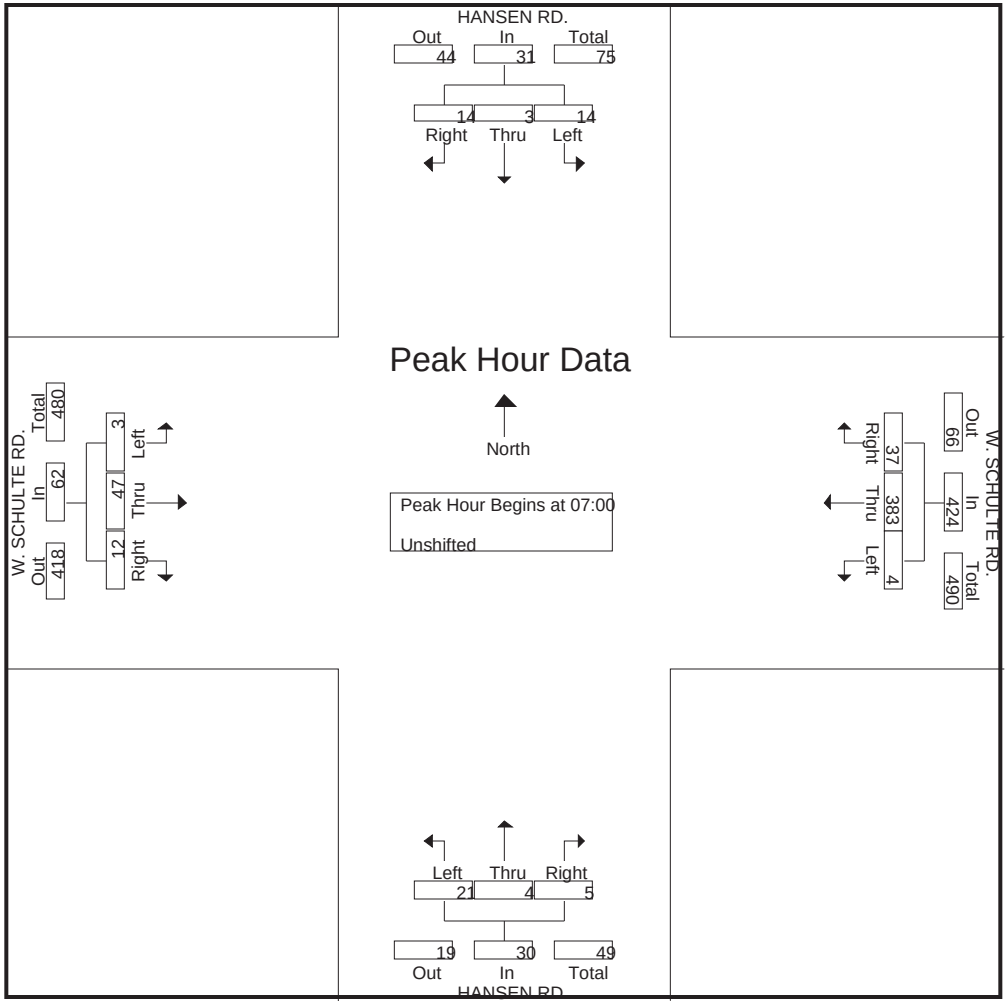
File Name : 11-7198-006 HANSEN-SCHULTE
Site Code : 00000000
Start Date : 5/5/2011
Page No : 1

Groups Printed- Unshifted

	HANSEN RD. Southbound					W. SCHULTE RD. Westbound					HANSEN RD. Northbound					W. SCHULTE RD. Eastbound							
Start Time	Left	Thr	Rig	Ped	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Exclu. Total	Inclu. Total	Int. Total
07:00	0	2	3	0	5	1	111	2	0	114	6	0	0	0	6	1	9	5	0	15	0	140	140
07:15	2	0	3	0	5	2	110	11	0	123	4	2	3	0	9	1	13	1	0	15	0	152	152
07:30	5	0	2	0	7	1	98	8	0	107	0	0	1	0	1	0	11	2	0	13	0	128	128
07:45	7	1	6	0	14	0	64	16	0	80	11	2	1	0	14	1	14	4	0	19	0	127	127
Total	14	3	14	0	31	4	383	37	0	424	21	4	5	0	30	3	47	12	0	62	0	547	547
08:00	15	1	1	0	17	1	44	6	0	51	6	1	4	0	11	1	13	5	0	19	0	98	98
08:15	7	0	4	0	11	0	49	4	0	53	7	0	1	0	8	1	16	4	0	21	0	93	93
08:30	3	1	4	0	8	2	52	3	0	57	10	1	2	0	13	2	10	3	0	15	0	93	93
08:45	0	0	2	0	2	1	44	4	0	49	8	1	0	0	9	1	13	6	0	20	0	80	80
Total	25	2	11	0	38	4	189	17	0	210	31	3	7	0	41	5	52	18	0	75	0	364	364
16:00	3	0	2	0	5	3	18	1	0	22	5	1	5	0	11	1	46	7	0	54	0	92	92
16:15	2	1	4	0	7	4	22	3	0	29	6	1	0	0	7	5	66	12	0	83	0	126	126
16:30	5	8	3	0	16	2	18	6	0	26	47	12	12	0	71	4	98	15	0	117	0	230	230
16:45	3	2	2	0	7	3	20	6	0	29	15	1	2	0	18	4	82	12	0	98	0	152	152
Total	13	11	11	0	35	12	78	16	0	106	73	15	19	0	107	14	292	46	0	352	0	600	600
17:00	3	1	0	0	4	3	19	3	0	25	15	6	1	0	22	3	73	9	0	85	0	136	136
17:15	7	5	0	0	12	0	27	8	0	35	4	0	1	0	5	1	83	6	0	90	0	142	142
17:30	2	1	2	0	5	0	19	4	0	23	3	1	2	0	6	2	84	3	0	89	0	123	123
17:45	1	1	1	0	3	2	19	3	0	24	2	0	2	0	4	1	58	3	0	62	0	93	93
Total	13	8	3	0	24	5	84	18	0	107	24	7	6	0	37	7	298	21	0	326	0	494	494
Grand Total	65	24	39	0	128	25	734	88	0	847	149	29	37	0	215	29	689	97	0	815	0	2005	2005
Apprch %	50.8	18.8	30.5			3	86.7	10.4			69.3	13.5	17.2			3.6	84.5	11.9					
Total %	3.2	1.2	1.9		6.4	1.2	36.6	4.4		42.2	7.4	1.4	1.8		10.7	1.4	34.4	4.8		40.6	0	100	

	HANSEN RD. Southbound				W. SCHULTE RD. Westbound				HANSEN RD. Northbound				W. SCHULTE RD. Eastbound				
Start Time	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Int. Total
Peak Hour Analysis From 07:00 to 08:45 - Peak 1 of 1																	
Peak Hour for Entire Intersection Begins at 07:00																	
07:00	0	**2**	3	5	1	**111**	2	114	6	0	0	6	**1**	9	**5**	15	140
07:15	2	0	3	5	**2**	110	11	**123**	4	**2**	**3**	9	1	13	1	15	**152**
07:30	5	0	2	7	1	98	8	107	0	0	1	1	0	11	2	13	128
07:45	**7**	1	**6**	**14**	0	64	**16**	80	**11**	2	1	**14**	1	**14**	4	**19**	127
Total Volume	14	3	14	31	4	383	37	424	21	4	5	30	3	47	12	62	547

% App. Total	45.2	9.7	45.2		0.9	90.3	8.7		70	13.3	16.7		4.8	75.8	19.4		
PHF	.500	.375	.583	.554	.500	.863	.578	.862	.477	.500	.417	.536	.750	.839	.600	.816	.900



Peak Hour Analysis From 16:00 to 17:45 - Peak 1 of 1
Peak Hour for Entire Intersection Begins at 16:30

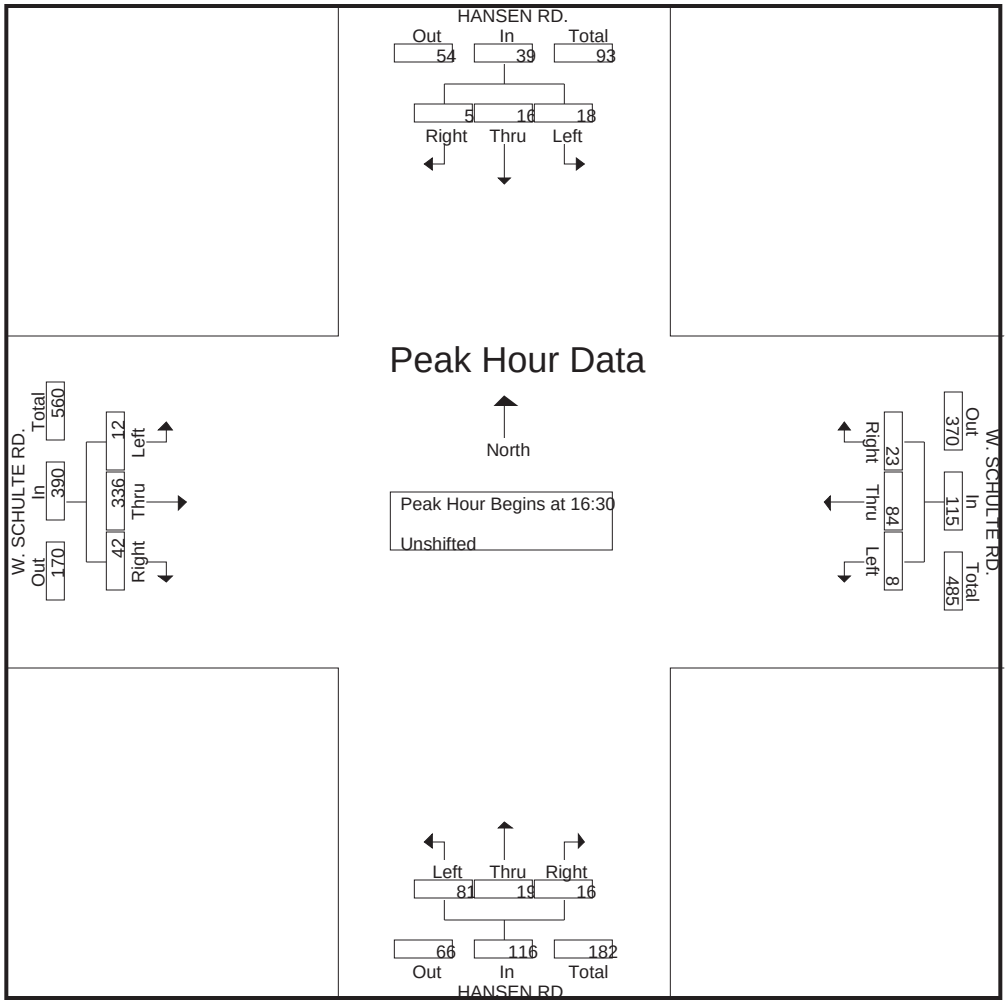
16:30	5	**8**	**3**	**16**	2	18	6	26	**47**	**12**	**12**	**71**	**4**	**98**	**15**	**117**	**230**
16:45	3	2	2	7	**3**	20	6	29	15	1	2	18	4	82	12	98	152
17:00	3	1	0	4	3	19	3	25	15	6	1	22	3	73	9	85	136
17:15	**7**	5	0	12	0	**27**	**8**	**35**	4	0	1	5	1	83	6	90	142
Total Volume	18	16	5	39	8	84	23	115	81	19	16	116	12	336	42	390	660
% App. Total	46.2	41	12.8		7	73	20		69.8	16.4	13.8		3.1	86.2	10.8		
PHF	.643	.500	.417	.609	.667	.778	.719	.821	.431	.396	.333	.408	.750	.857	.700	.833	.717

All Traffic Data

(916) 771-8700

CITY OF TRACY
BIKES ON BANK 1

File Name : 11-7198-006 HANSEN-SCHULTE
Site Code : 00000000
Start Date : 5/5/2011
Page No : 3



All Traffic Data

(916) 771-8700

CITY OF TRACY
BIKES ON BANK 1
TRUCKS ON BANK 2

File Name : 11-7198-005 I 580 SB RAMPS-MOUNTAIN HOUSE
Site Code : 00000000
Start Date : 5/5/2011
Page No : 1

Groups Printed- Bank 2

	I-580 SB RAMPS Southbound				MOUNTAIN HOUSE PKWY. Westbound				I-580 SB RAMPS Northbound				MOUNTAIN HOUSE PKWY. Eastbound				
Start Time	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Int. Total
06:00	10	0	0	10	2	2	0	4	0	0	0	0	0	0	0	0	14
06:15	3	0	1	4	9	2	0	11	0	0	0	0	0	2	0	2	17
06:30	4	0	0	4	6	0	0	6	0	0	0	0	0	3	0	3	13
06:45	5	0	1	6	5	3	0	8	0	0	0	0	0	2	0	2	16
Total	22	0	2	24	22	7	0	29	0	0	0	0	0	7	0	7	60
07:00	10	0	0	10	6	1	0	7	0	0	0	0	0	1	1	2	19
07:15	13	1	0	14	7	1	0	8	0	0	0	0	0	0	0	0	22
07:30	9	0	1	10	9	1	0	10	0	0	0	0	0	1	1	2	22
07:45	7	0	1	8	5	1	0	6	0	0	0	0	0	0	1	1	15
Total	39	1	2	42	27	4	0	31	0	0	0	0	0	2	3	5	78
08:00	8	0	0	8	8	1	0	9	0	0	0	0	0	3	1	4	21
08:15	7	0	0	7	10	0	0	10	0	0	0	0	0	2	0	2	19
08:30	5	0	0	5	9	4	0	13	0	0	0	0	0	1	0	1	19
08:45	10	0	1	11	11	1	0	12	0	0	0	0	0	0	0	0	23
Total	30	0	1	31	38	6	0	44	0	0	0	0	0	6	1	7	82
15:00	8	3	0	11	6	1	0	7	0	0	0	0	0	2	2	4	22
15:15	7	0	0	7	6	2	0	8	0	0	0	0	0	1	0	1	16
15:30	8	2	0	10	4	0	0	4	0	0	0	0	0	0	0	0	14
15:45	8	1	0	9	7	1	0	8	0	0	0	0	0	2	0	2	19
Total	31	6	0	37	23	4	0	27	0	0	0	0	0	5	2	7	71
16:00	3	1	0	4	6	2	0	8	0	0	0	0	0	0	0	0	12
16:15	10	0	0	10	4	0	0	4	0	0	0	0	0	1	1	2	16
16:30	2	0	0	2	6	0	0	6	0	0	0	0	0	0	1	1	9
16:45	7	1	0	8	2	0	0	2	0	0	0	0	0	1	0	1	11
Total	22	2	0	24	18	2	0	20	0	0	0	0	0	2	2	4	48
17:00	6	0	0	6	5	0	0	5	0	0	0	0	0	1	0	1	12
17:15	5	0	0	5	0	0	0	0	0	0	0	0	0	0	0	0	5
17:30	3	0	0	3	4	0	0	4	0	0	0	0	0	1	0	1	8
17:45	5	0	0	5	3	0	0	3	0	0	0	0	0	0	0	0	8
Total	19	0	0	19	12	0	0	12	0	0	0	0	0	2	0	2	33

All Traffic Data

(916) 771-8700

CITY OF TRACY
BIKES ON BANK 1
TRUCKS ON BANK 2

File Name : 11-7198-005 I 580 SB RAMPS-MOUNTAIN HOUSE
Site Code : 00000000
Start Date : 5/5/2011
Page No : 2

Groups Printed- Bank 2

	I-580 SB RAMPS Southbound				MOUNTAIN HOUSE PKWY. Westbound				I-580 SB RAMPS Northbound				MOUNTAIN HOUSE PKWY. Eastbound				
	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Int. Total
Grand Total	163	9	5	177	140	23	0	163	0	0	0	0	0	24	8	32	372
Apprch %	92.1	5.1	2.8		85.9	14.1	0		0	0	0		0	75	25		
Total %	43.8	2.4	1.3	47.6	37.6	6.2	0	43.8	0	0	0	0	0	6.5	2.2	8.6	

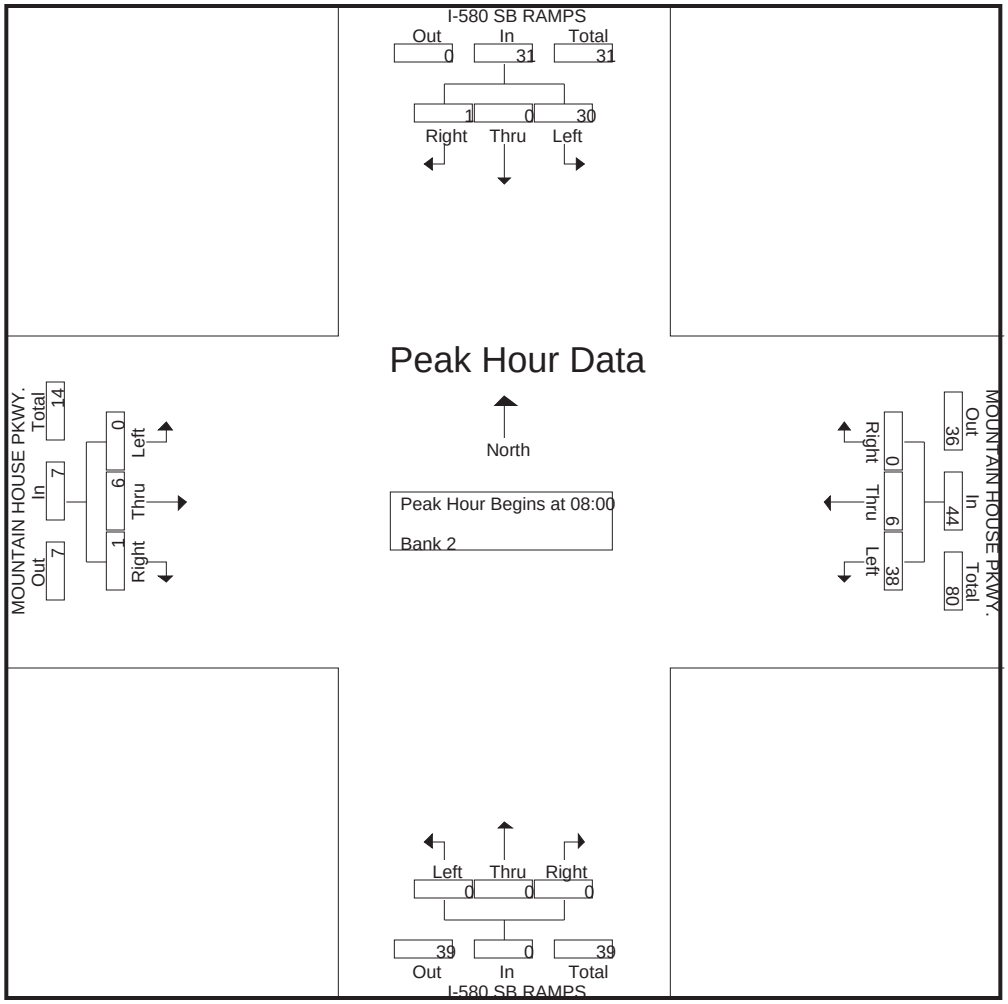
	I-580 SB RAMPS Southbound				MOUNTAIN HOUSE PKWY. Westbound				I-580 SB RAMPS Northbound				MOUNTAIN HOUSE PKWY. Eastbound				
Start Time	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Int. Total
Peak Hour Analysis From 06:00 to 08:45 - Peak 1 of 1																	
Peak Hour for Entire Intersection Begins at 08:00																	
08:00	8	0	0	8	8	1	0	9	0	0	0	0	0	**3**	**1**	**4**	21
08:15	7	0	0	7	10	0	0	10	0	0	0	0	0	2	0	2	19
08:30	5	0	0	5	9	**4**	0	**13**	0	0	0	0	0	1	0	1	19
08:45	**10**	0	**1**	**11**	**11**	1	0	12	0	0	0	0	0	0	0	0	**23**
Total Volume	30	0	1	31	38	6	0	44	0	0	0	0	0	6	1	7	82
% App. Total	96.8	0	3.2		86.4	13.6	0		0	0	0		0	85.7	14.3		
PHF	.750	.000	.250	.705	.864	.375	.000	.846	.000	.000	.000	.000	.000	.500	.250	.438	.891

All Traffic Data

(916) 771-8700

CITY OF TRACY
BIKES ON BANK 1
TRUCKS ON BANK 2

File Name : 11-7198-005 I 580 SB RAMPS-MOUNTAIN HOUSE
Site Code : 00000000
Start Date : 5/5/2011
Page No : 3



All Traffic Data

(916) 771-8700

CITY OF TRACY
BIKES ON BANK 1
TRUCKS ON BANK 2

File Name : 11-7198-005 I 580 SB RAMPS-MOUNTAIN HOUSE
Site Code : 00000000
Start Date : 5/5/2011
Page No : 4

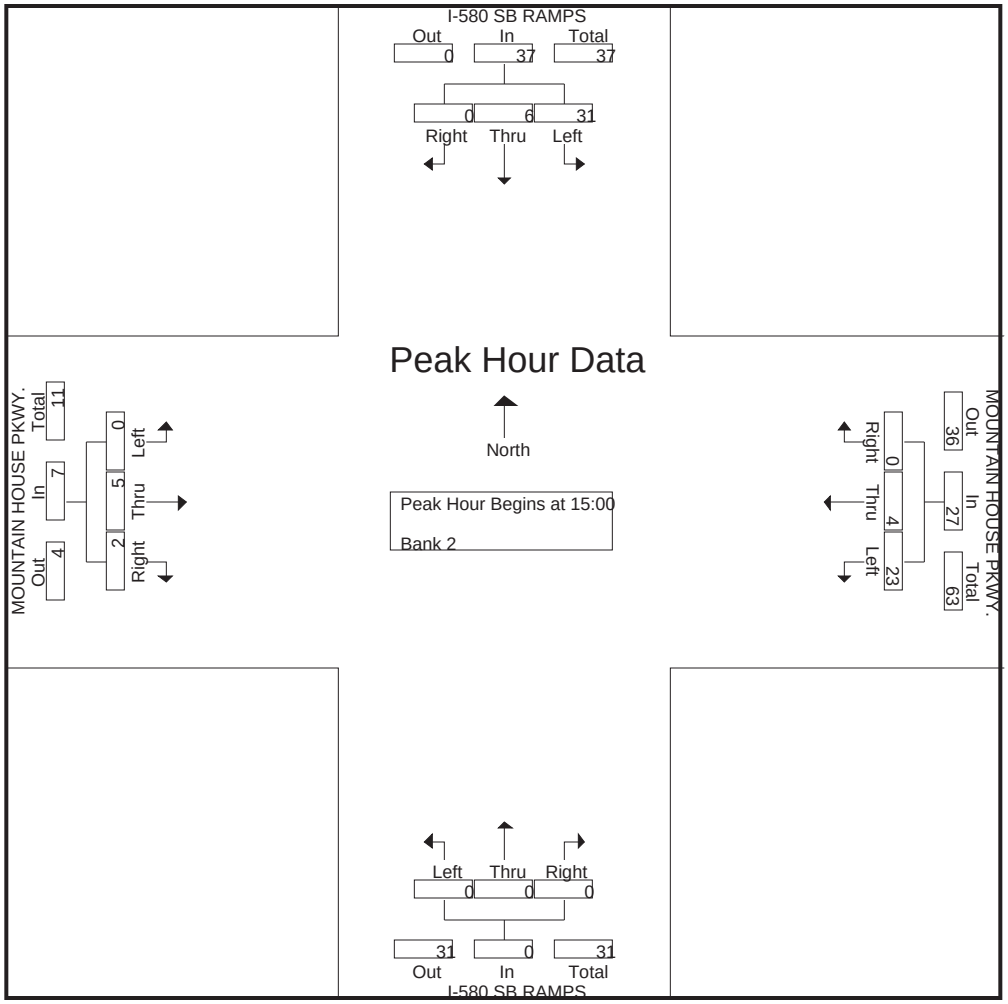
	I-580 SB RAMPS Southbound				MOUNTAIN HOUSE PKWY. Westbound				I-580 SB RAMPS Northbound				MOUNTAIN HOUSE PKWY. Eastbound				
Start Time	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Int. Total
Peak Hour Analysis From 15:00 to 17:45 - Peak 1 of 1																	
Peak Hour for Entire Intersection Begins at 15:00																	
15:00	**8**	**3**	0	**11**	6	1	0	7	0	0	0	0	0	**2**	**2**	**4**	**22**
15:15	7	0	0	7	6	**2**	0	**8**	0	0	0	0	0	1	0	1	16
15:30	8	2	0	10	4	0	0	4	0	0	0	0	0	0	0	0	14
15:45	8	1	0	9	**7**	1	0	8	0	0	0	0	0	2	0	2	19
Total Volume	31	6	0	37	23	4	0	27	0	0	0	0	0	5	2	7	71
% App. Total	83.8	16.2	0		85.2	14.8	0		0	0	0		0	71.4	28.6		
PHF	.969	.500	.000	.841	.821	.500	.000	.844	.000	.000	.000	.000	.000	.625	.250	.438	.807

All Traffic Data

(916) 771-8700

CITY OF TRACY
BIKES ON BANK 1
TRUCKS ON BANK 2

File Name : 11-7198-005 I 580 SB RAMPS-MOUNTAIN HOUSE
Site Code : 00000000
Start Date : 5/5/2011
Page No : 5



All Traffic Data

(916) 771-8700

CITY OF TRACY
BIKES ON BANK 1
TRUCKS ON BANK 2

File Name : 11-7198-005 I 580 SB RAMPS-MOUNTAIN HOUSE
Site Code : 00000000
Start Date : 5/5/2011
Page No : 1

Groups Printed- Bank 1

	I-580 SB RAMPS Southbound				MOUNTAIN HOUSE PKWY. Westbound				I-580 SB RAMPS Northbound				MOUNTAIN HOUSE PKWY. Eastbound				
Start Time	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Int. Total
Grand Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Apprch %	0	0	0		0	0	0		0	0	0		0	0	0		
Total %																	

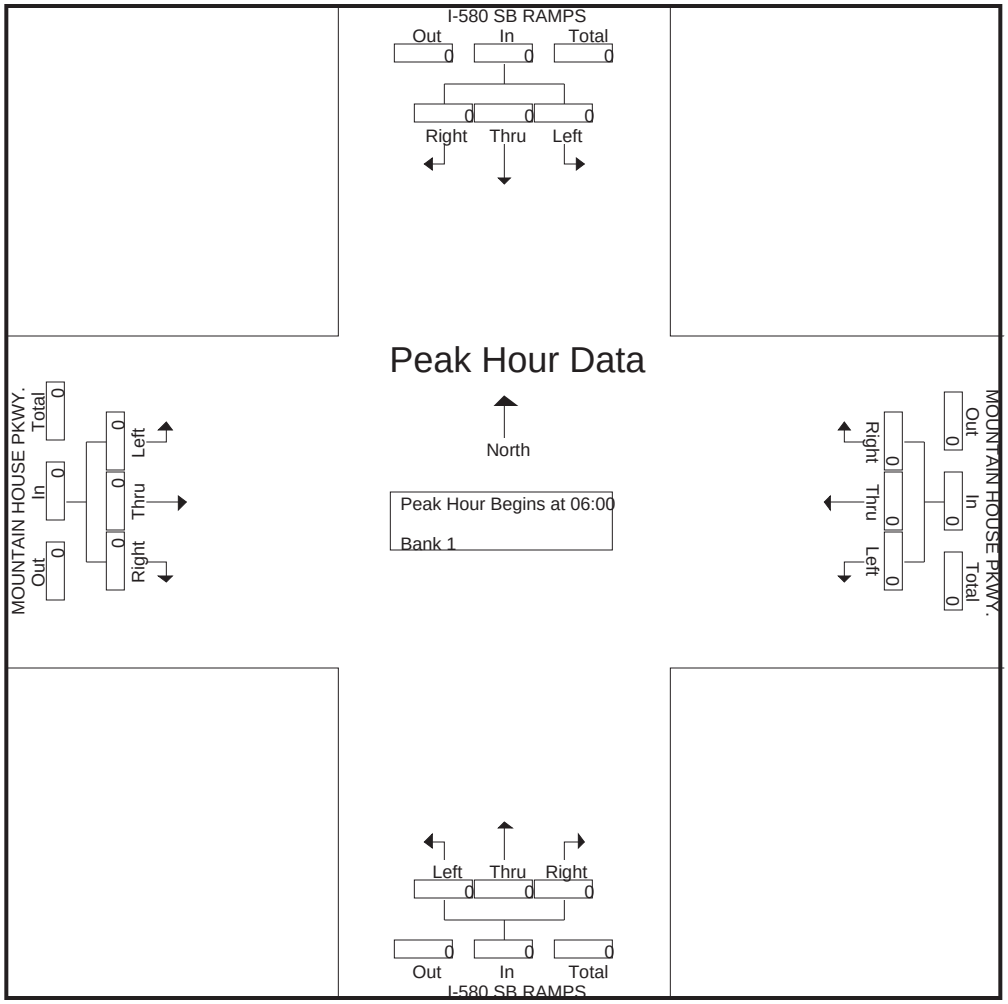
	I-580 SB RAMPS Southbound				MOUNTAIN HOUSE PKWY. Westbound				I-580 SB RAMPS Northbound				MOUNTAIN HOUSE PKWY. Eastbound				
Start Time	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Int. Total
Peak Hour Analysis From 06:00 to 08:45 - Peak 1 of 1																	
Peak Hour for Entire Intersection Begins at 06:00																	
06:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
06:15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
06:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
06:45	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Volume	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
% App. Total	0	0	0		0	0	0		0	0	0		0	0	0		
PHF	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

All Traffic Data

(916) 771-8700

CITY OF TRACY
BIKES ON BANK 1
TRUCKS ON BANK 2

File Name : 11-7198-005 I 580 SB RAMPS-MOUNTAIN HOUSE
Site Code : 00000000
Start Date : 5/5/2011
Page No : 2



All Traffic Data

(916) 771-8700

CITY OF TRACY
BIKES ON BANK 1
TRUCKS ON BANK 2

File Name : 11-7198-005 I 580 SB RAMPS-MOUNTAIN HOUSE
Site Code : 00000000
Start Date : 5/5/2011
Page No : 3

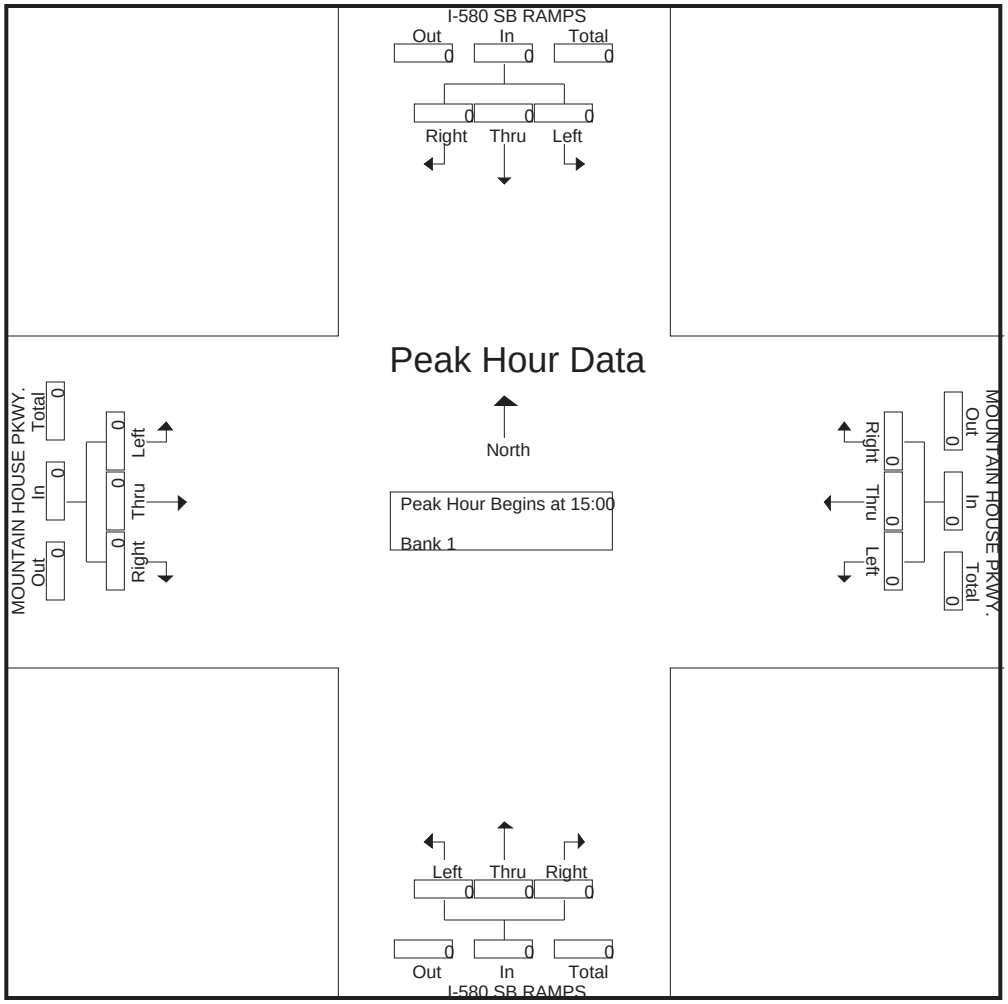
	I-580 SB RAMPS Southbound				MOUNTAIN HOUSE PKWY. Westbound				I-580 SB RAMPS Northbound				MOUNTAIN HOUSE PKWY. Eastbound				
Start Time	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Int. Total
Peak Hour Analysis From 15:00 to 17:45 - Peak 1 of 1																	
Peak Hour for Entire Intersection Begins at 15:00																	
15:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15:15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15:45	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Volume	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
% App. Total	0	0	0		0	0	0		0	0	0		0	0	0		
PHF	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

All Traffic Data

(916) 771-8700

CITY OF TRACY
BIKES ON BANK 1
TRUCKS ON BANK 2

File Name : 11-7198-005 I 580 SB RAMPS-MOUNTAIN HOUSE
Site Code : 00000000
Start Date : 5/5/2011
Page No : 4



All Traffic Data

(916) 771-8700

CITY OF TRACY
BIKES ON BANK 1
TRUCKS ON BANK 2

File Name : 11-7198-005 I 580 SB RAMPS-MOUNTAIN HOUSE
Site Code : 00000000
Start Date : 5/5/2011
Page No : 1

Groups Printed- Unshifted - Bank 2

	I-580 SB RAMPS Southbound				MOUNTAIN HOUSE PKWY. Westbound				I-580 SB RAMPS Northbound				MOUNTAIN HOUSE PKWY. Eastbound				
Start Time	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Int. Total
06:00	31	0	1	32	12	96	0	108	0	0	0	0	0	4	0	4	144
06:15	14	0	3	17	30	135	0	165	0	0	0	0	0	6	3	9	191
06:30	15	0	1	16	19	159	0	178	0	0	0	0	0	13	4	17	211
06:45	21	0	8	29	18	123	0	141	0	0	0	0	0	7	0	7	177
Total	81	0	13	94	79	513	0	592	0	0	0	0	0	30	7	37	723
07:00	26	1	2	29	18	108	0	126	0	0	0	0	0	7	2	9	164
07:15	43	1	2	46	23	97	0	120	0	0	0	0	0	7	2	9	175
07:30	24	0	6	30	25	98	0	123	0	0	0	0	0	11	4	15	168
07:45	26	1	4	31	18	46	0	64	0	0	0	0	0	6	5	11	106
Total	119	3	14	136	84	349	0	433	0	0	0	0	0	31	13	44	613
08:00	27	0	3	30	23	41	0	64	0	0	0	0	0	10	5	15	109
08:15	21	0	0	21	29	22	0	51	0	0	0	0	0	10	1	11	83
08:30	14	0	1	15	24	34	0	58	0	0	0	0	0	7	3	10	83
08:45	32	0	4	36	32	16	0	48	0	0	0	0	0	6	0	6	90
Total	94	0	8	102	108	113	0	221	0	0	0	0	0	33	9	42	365
15:00	52	6	14	72	36	12	0	48	0	0	0	0	0	19	17	36	156
15:15	41	2	12	55	37	8	0	45	0	0	0	0	0	15	19	34	134
15:30	54	4	9	67	38	9	0	47	0	0	0	0	0	39	28	67	181
15:45	64	5	18	87	34	9	0	43	0	0	0	0	0	32	32	64	194
Total	211	17	53	281	145	38	0	183	0	0	0	0	0	105	96	201	665
16:00	39	3	20	62	35	16	0	51	0	0	0	0	0	38	32	70	183
16:15	77	2	19	98	38	6	0	44	0	0	0	0	0	32	32	64	206
16:30	59	1	17	77	55	7	0	62	0	0	0	0	0	42	39	81	220
16:45	62	3	14	79	31	5	0	36	0	0	0	0	0	51	24	75	190
Total	237	9	70	316	159	34	0	193	0	0	0	0	0	163	127	290	799
17:00	59	0	21	80	28	4	0	32	0	0	0	0	0	44	48	92	204
17:15	57	1	16	74	33	5	0	38	0	0	0	0	0	51	32	83	195
17:30	53	1	13	67	38	5	0	43	0	0	0	0	0	43	29	72	182
17:45	69	0	12	81	23	3	0	26	0	0	0	0	0	40	26	66	173
Total	238	2	62	302	122	17	0	139	0	0	0	0	0	178	135	313	754

All Traffic Data

(916) 771-8700

CITY OF TRACY
BIKES ON BANK 1
TRUCKS ON BANK 2

File Name : 11-7198-005 I 580 SB RAMPS-MOUNTAIN HOUSE
Site Code : 00000000
Start Date : 5/5/2011

Groups Printed- Unshifted - Bank 2

	I-580 SB RAMPS Southbound				MOUNTAIN HOUSE PKWY. Westbound				I-580 SB RAMPS Northbound				MOUNTAIN HOUSE PKWY. Eastbound				
	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Int. Total
Grand Total	980	31	220	1231	697	1064	0	1761	0	0	0	0	0	540	387	927	3919
Apprch %	79.6	2.5	17.9		39.6	60.4	0		0	0	0		0	58.3	41.7		
Total %	25	0.8	5.6	31.4	17.8	27.1	0	44.9	0	0	0	0	0	13.8	9.9	23.7	
Unshifted	817	22	215	1054	557	1041	0	1598	0	0	0	0	0	516	379	895	3547
% Unshifted	83.4	71	97.7	85.6	79.9	97.8	0	90.7	0	0	0	0	0	95.6	97.9	96.5	90.5
Bank 2	163	9	5	177	140	23	0	163	0	0	0	0	0	24	8	32	372
% Bank 2	16.6	29	2.3	14.4	20.1	2.2	0	9.3	0	0	0	0	0	4.4	2.1	3.5	9.5

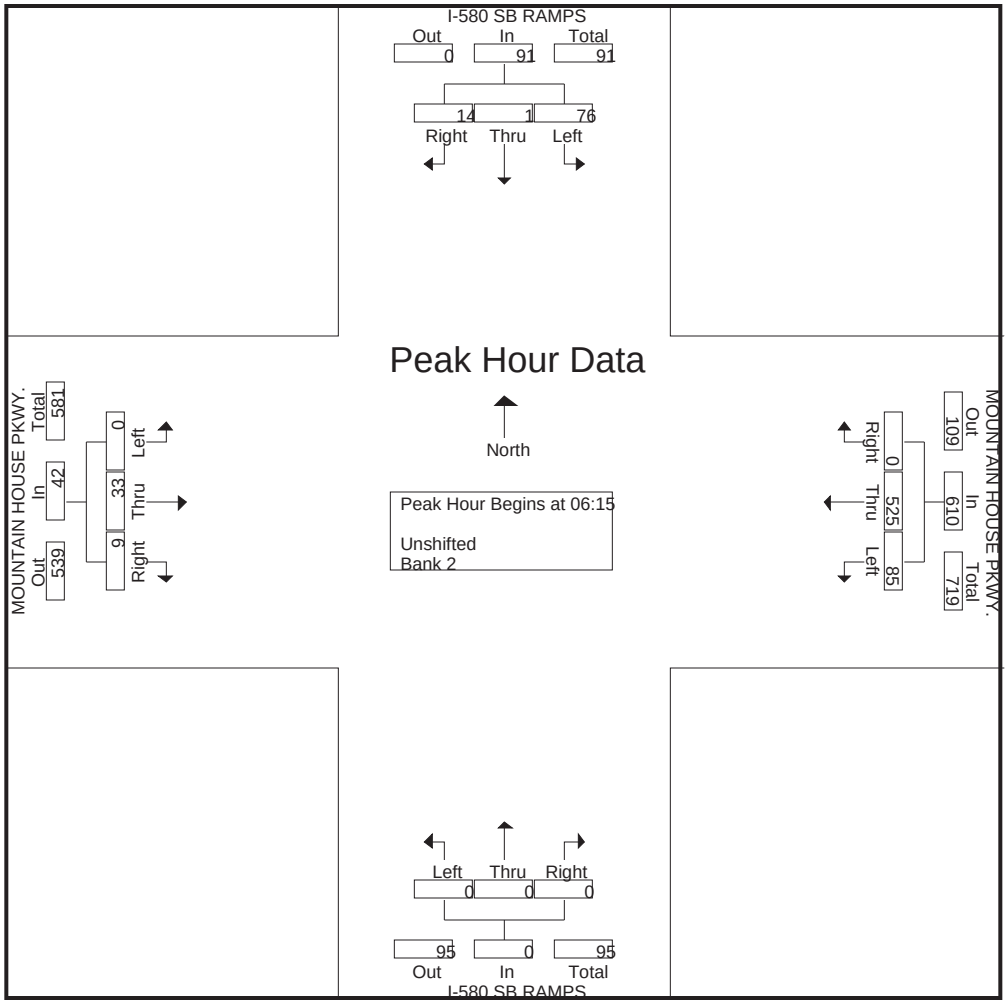
	I-580 SB RAMPS Southbound				MOUNTAIN HOUSE PKWY. Westbound				I-580 SB RAMPS Northbound				MOUNTAIN HOUSE PKWY. Eastbound				
Start Time	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Int. Total
Peak Hour Analysis From 06:00 to 08:45 - Peak 1 of 1																	
Peak Hour for Entire Intersection Begins at 06:15																	
06:15	14	0	3	17	**30**	135	0	165	0	0	0	0	0	6	3	9	191
06:30	15	0	1	16	19	**159**	0	**178**	0	0	0	0	0	**13**	**4**	**17**	**211**
06:45	21	0	**8**	**29**	18	123	0	141	0	0	0	0	0	7	0	7	177
07:00	**26**	**1**	2	29	18	108	0	126	0	0	0	0	0	7	2	9	164
Total Volume	76	1	14	91	85	525	0	610	0	0	0	0	0	33	9	42	743
% App. Total	83.5	1.1	15.4		13.9	86.1	0		0	0	0		0	78.6	21.4		
PHF	.731	.250	.438	.784	.708	.825	.000	.857	.000	.000	.000	.000	.000	.635	.563	.618	.880

All Traffic Data

(916) 771-8700

CITY OF TRACY
BIKES ON BANK 1
TRUCKS ON BANK 2

File Name : 11-7198-005 I 580 SB RAMPS-MOUNTAIN HOUSE
Site Code : 00000000
Start Date : 5/5/2011
Page No : 3



All Traffic Data

(916) 771-8700

CITY OF TRACY
BIKES ON BANK 1
TRUCKS ON BANK 2

File Name : 11-7198-005 I 580 SB RAMPS-MOUNTAIN HOUSE
Site Code : 00000000
Start Date : 5/5/2011
Page No : 4

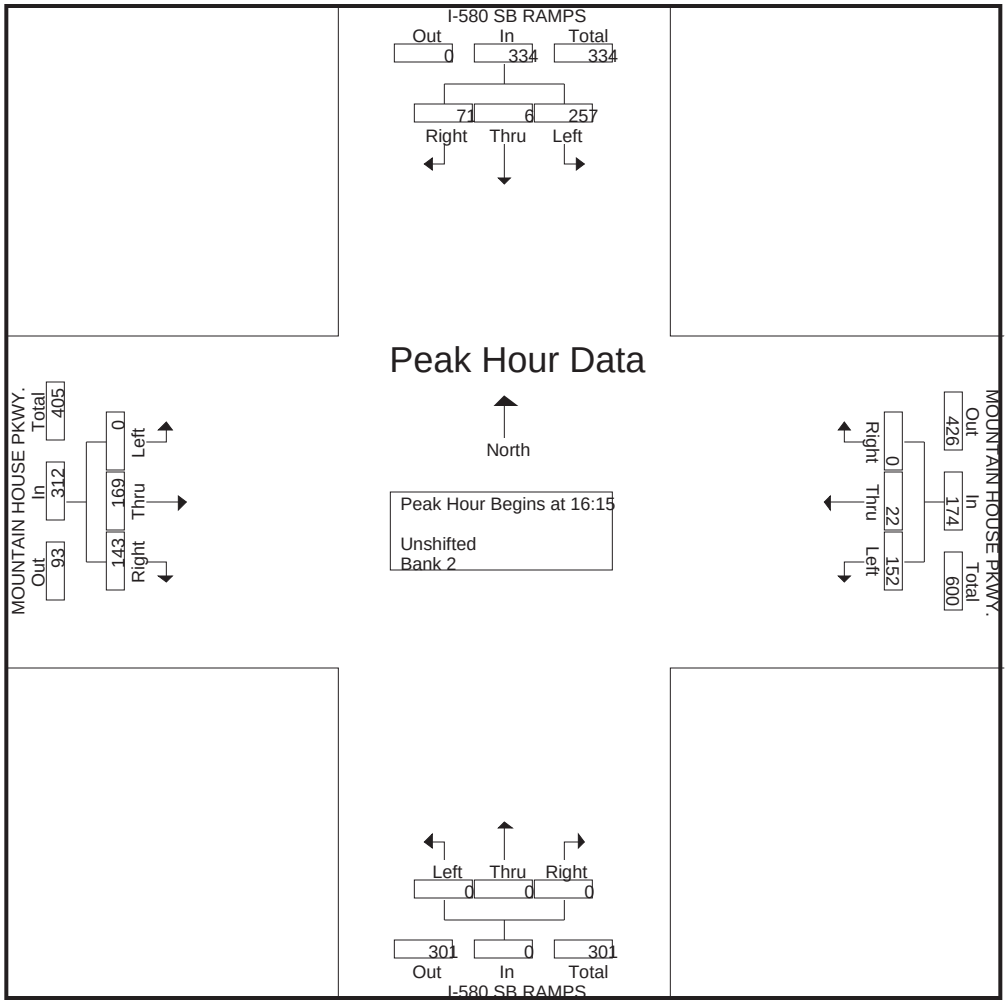
	I-580 SB RAMPS Southbound				MOUNTAIN HOUSE PKWY. Westbound				I-580 SB RAMPS Northbound				MOUNTAIN HOUSE PKWY. Eastbound				
Start Time	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Int. Total
Peak Hour Analysis From 15:00 to 17:45 - Peak 1 of 1																	
Peak Hour for Entire Intersection Begins at 16:15																	
16:15	**77**	2	19	**98**	38	6	0	44	0	0	0	0	0	32	32	64	206
16:30	59	1	17	77	**55**	**7**	0	**62**	0	0	0	0	0	42	39	81	**220**
16:45	62	**3**	14	79	31	5	0	36	0	0	0	0	0	**51**	24	75	190
17:00	59	0	**21**	80	28	4	0	32	0	0	0	0	0	44	**48**	**92**	204
Total Volume	257	6	71	334	152	22	0	174	0	0	0	0	0	169	143	312	820
% App. Total	76.9	1.8	21.3		87.4	12.6	0		0	0	0		0	54.2	45.8		
PHF	.834	.500	.845	.852	.691	.786	.000	.702	.000	.000	.000	.000	.000	.828	.745	.848	.932

All Traffic Data

(916) 771-8700

CITY OF TRACY
BIKES ON BANK 1
TRUCKS ON BANK 2

File Name : 11-7198-005 I 580 SB RAMPS-MOUNTAIN HOUSE
Site Code : 00000000
Start Date : 5/5/2011
Page No : 5



All Traffic Data

(916) 771-8700

CITY OF TRACY
BIKES ON BANK 1
TRUCKS ON BANK 2

File Name : 11-7198-005 I 580 SB RAMPS-MOUNTAIN HOUSE
Site Code : 00000000
Start Date : 5/5/2011
Page No : 1

Groups Printed- Unshifted

	I-580 SB RAMPS Southbound					MOUNTAIN HOUSE PKWY. Westbound					I-580 SB RAMPS Northbound					MOUNTAIN HOUSE PKWY. Eastbound							
Start Time	Left	Thr	Rig	Ped	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Exclu. Total	Inclu. Total	Int. Total
06:00	21	0	1	0	22	10	94	0	0	104	0	0	0	0	0	0	4	0	0	4	0	130	130
06:15	11	0	2	0	13	21	133	0	0	154	0	0	0	0	0	0	4	3	0	7	0	174	174
06:30	11	0	1	0	12	13	159	0	0	172	0	0	0	0	0	0	10	4	0	14	0	198	198
06:45	16	0	7	0	23	13	120	0	0	133	0	0	0	0	0	0	5	0	0	5	0	161	161
Total	59	0	11	0	70	57	506	0	0	563	0	0	0	0	0	0	23	7	0	30	0	663	663
07:00	16	1	2	0	19	12	107	0	0	119	0	0	0	0	0	0	6	1	0	7	0	145	145
07:15	30	0	2	0	32	16	96	0	0	112	0	0	0	0	0	0	7	2	0	9	0	153	153
07:30	15	0	5	0	20	16	97	0	0	113	0	0	0	0	0	0	10	3	0	13	0	146	146
07:45	19	1	3	0	23	13	45	0	0	58	0	0	0	0	0	0	6	4	0	10	0	91	91
Total	80	2	12	0	94	57	345	0	0	402	0	0	0	0	0	0	29	10	0	39	0	535	535
08:00	19	0	3	0	22	15	40	0	0	55	0	0	0	0	0	0	7	4	0	11	0	88	88
08:15	14	0	0	0	14	19	22	0	0	41	0	0	0	0	0	0	8	1	0	9	0	64	64
08:30	9	0	1	0	10	15	30	0	0	45	0	0	0	0	0	0	6	3	0	9	0	64	64
08:45	22	0	3	0	25	21	15	0	0	36	0	0	0	0	0	0	6	0	0	6	0	67	67
Total	64	0	7	0	71	70	107	0	0	177	0	0	0	0	0	0	27	8	0	35	0	283	283
15:00	44	3	14	0	61	30	11	0	0	41	0	0	0	0	0	0	17	15	0	32	0	134	134
15:15	34	2	12	0	48	31	6	0	0	37	0	0	0	0	0	0	14	19	0	33	0	118	118
15:30	46	2	9	0	57	34	9	0	0	43	0	0	0	0	0	0	39	28	0	67	0	167	167
15:45	56	4	18	0	78	27	8	0	0	35	0	0	0	0	0	0	30	32	0	62	0	175	175
Total	180	11	53	0	244	122	34	0	0	156	0	0	0	0	0	0	100	94	0	194	0	594	594
16:00	36	2	20	0	58	29	14	0	0	43	0	0	0	0	0	0	38	32	0	70	0	171	171
16:15	67	2	19	0	88	34	6	0	0	40	0	0	0	0	0	0	31	31	0	62	0	190	190
16:30	57	1	17	0	75	49	7	0	0	56	0	0	0	0	0	0	42	38	0	80	0	211	211
16:45	55	2	14	0	71	29	5	0	0	34	0	0	0	0	0	0	50	24	0	74	0	179	179
Total	215	7	70	0	292	141	32	0	0	173	0	0	0	0	0	0	161	125	0	286	0	751	751
17:00	53	0	21	0	74	23	4	0	0	27	0	0	0	0	0	0	43	48	0	91	0	192	192
17:15	52	1	16	0	69	33	5	0	0	38	0	0	0	0	0	0	51	32	0	83	0	190	190
17:30	50	1	13	0	64	34	5	0	0	39	0	0	0	0	0	0	42	29	0	71	0	174	174
17:45	64	0	12	0	76	20	3	0	0	23	0	0	0	0	0	0	40	26	0	66	0	165	165
Total	219	2	62	0	283	110	17	0	0	127	0	0	0	0	0	0	176	135	0	311	0	721	721
Grand Total	817	22	215	0	1054	557	1041	0	0	1598	0	0	0	0	0	0	516	379	0	895	0	3547	3547
Apprch %	77.5	2.1	20.4			34.9	65.1	0			0	0	0			0	57.7	42.3					
Total %	23	0.6	6.1		29.7	15.7	29.3	0		45.1	0	0	0		0	0	14.5	10.7		25.2	0	100	

All Traffic Data

(916) 771-8700

CITY OF TRACY
BIKES ON BANK 1
TRUCKS ON BANK 2

File Name : 11-7198-005 I 580 SB RAMPS-MOUNTAIN HOUSE
Site Code : 00000000
Start Date : 5/5/2011
Page No : 2

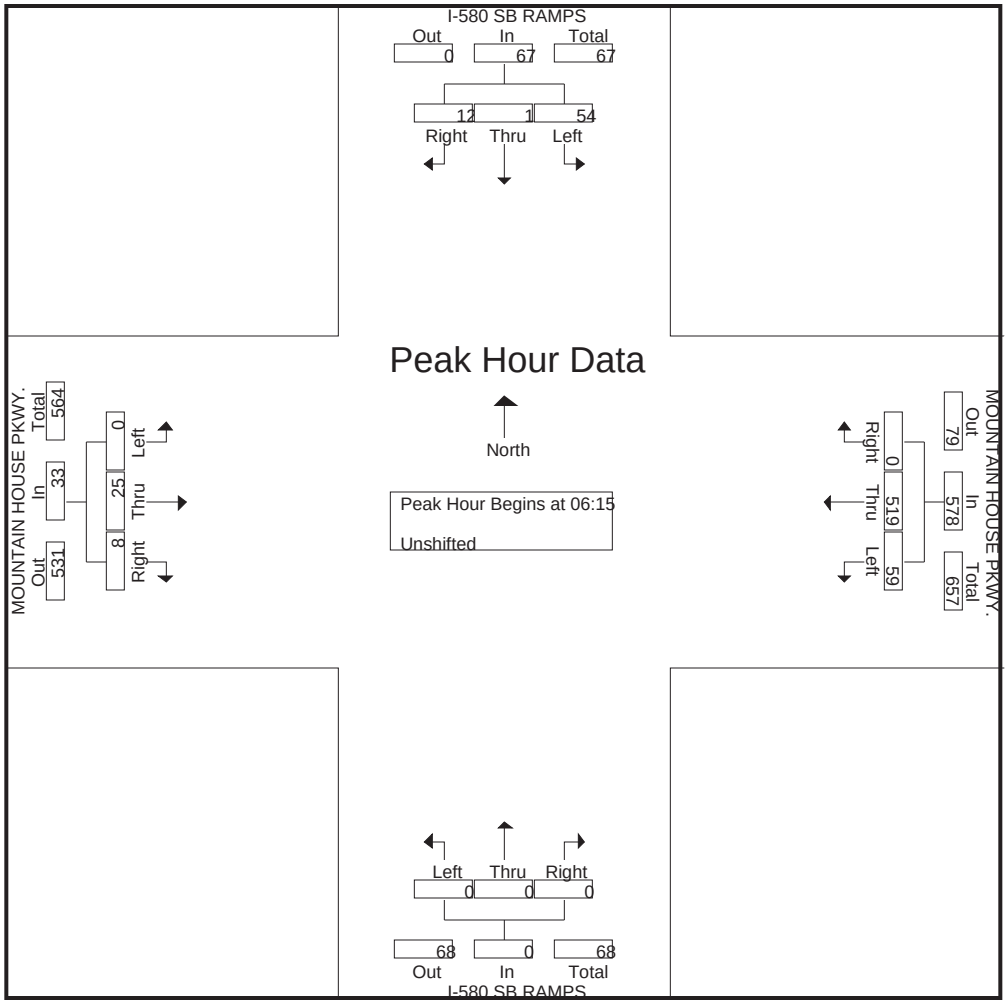
	I-580 SB RAMPS Southbound				MOUNTAIN HOUSE PKWY. Westbound				I-580 SB RAMPS Northbound				MOUNTAIN HOUSE PKWY. Eastbound				
Start Time	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Int. Total
Peak Hour Analysis From 06:00 to 08:45 - Peak 1 of 1																	
Peak Hour for Entire Intersection Begins at 06:15																	
06:15	11	0	2	13	**21**	133	0	154	0	0	0	0	0	4	3	7	174
06:30	11	0	1	12	13	**159**	0	**172**	0	0	0	0	0	**10**	**4**	**14**	**198**
06:45	**16**	0	**7**	**23**	13	120	0	133	0	0	0	0	0	5	0	5	161
07:00	16	**1**	2	19	12	107	0	119	0	0	0	0	0	6	1	7	145
Total Volume	54	1	12	67	59	519	0	578	0	0	0	0	0	25	8	33	678
% App. Total	80.6	1.5	17.9		10.2	89.8	0		0	0	0		0	75.8	24.2		
PHF	.844	.250	.429	.728	.702	.816	.000	.840	.000	.000	.000	.000	.000	.625	.500	.589	.856

All Traffic Data

(916) 771-8700

CITY OF TRACY
BIKES ON BANK 1
TRUCKS ON BANK 2

File Name : 11-7198-005 I 580 SB RAMPS-MOUNTAIN HOUSE
Site Code : 00000000
Start Date : 5/5/2011
Page No : 3



All Traffic Data

(916) 771-8700

CITY OF TRACY
BIKES ON BANK 1
TRUCKS ON BANK 2

File Name : 11-7198-005 I 580 SB RAMPS-MOUNTAIN HOUSE
Site Code : 00000000
Start Date : 5/5/2011

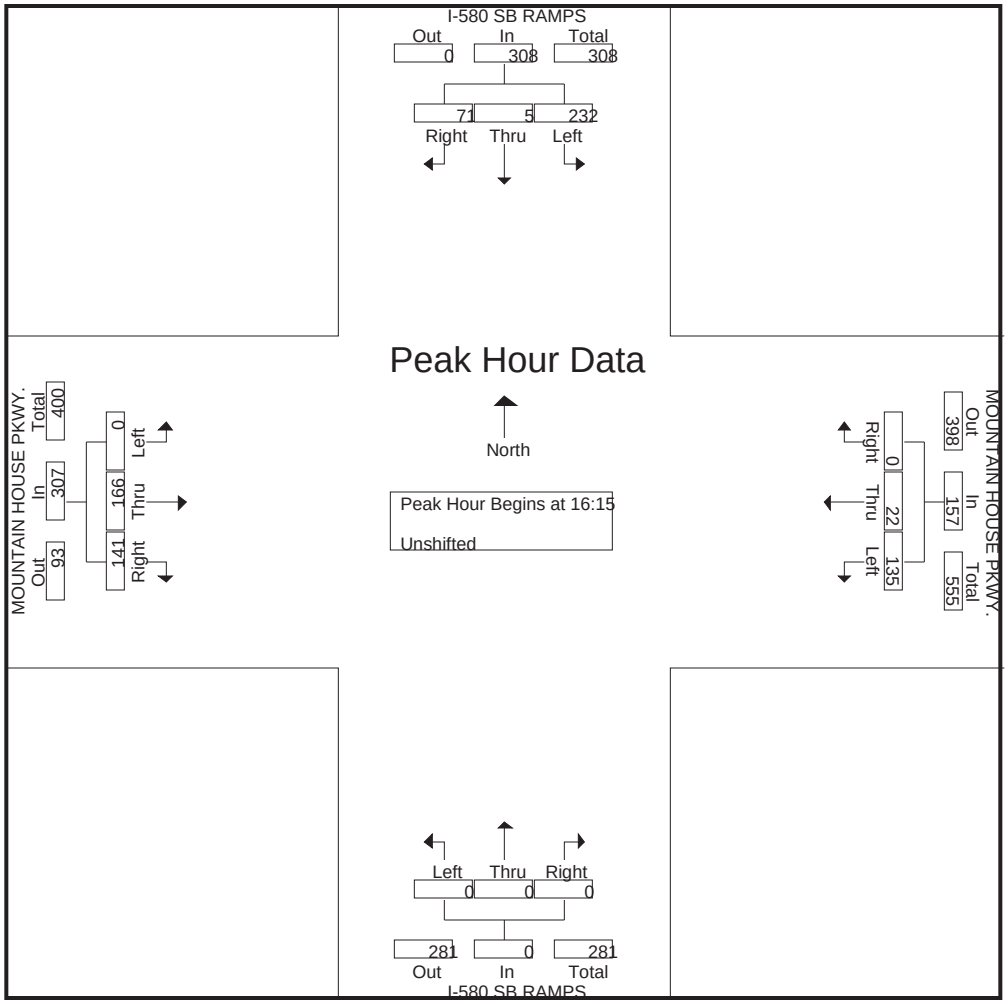
	I-580 SB RAMPS Southbound				MOUNTAIN HOUSE PKWY. Westbound				I-580 SB RAMPS Northbound				MOUNTAIN HOUSE PKWY. Eastbound				
Start Time	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Int. Total
Peak Hour Analysis From 15:00 to 17:45 - Peak 1 of 1																	
Peak Hour for Entire Intersection Begins at 16:15																	
16:15	**67**	**2**	19	**88**	34	6	0	40	0	0	0	0	0	31	31	62	190
16:30	57	1	17	75	**49**	**7**	0	**56**	0	0	0	0	0	42	38	80	**211**
16:45	55	2	14	71	29	5	0	34	0	0	0	0	0	**50**	24	74	179
17:00	53	0	**21**	74	23	4	0	27	0	0	0	0	0	43	**48**	**91**	192
Total Volume	232	5	71	308	135	22	0	157	0	0	0	0	0	166	141	307	772
% App. Total	75.3	1.6	23.1		86	14	0		0	0	0		0	54.1	45.9		
PHF	.866	.625	.845	.875	.689	.786	.000	.701	.000	.000	.000	.000	.000	.830	.734	.843	.915

All Traffic Data

(916) 771-8700

CITY OF TRACY
BIKES ON BANK 1
TRUCKS ON BANK 2

File Name : 11-7198-005 I 580 SB RAMPS-MOUNTAIN HOUSE
Site Code : 00000000
Start Date : 5/5/2011
Page No : 5



All Traffic Data

(916) 771-8700

CITY OF TRACY
BIKES ON BANK 1
TRUCKS ON BANK 2

File Name : 11-7198-004 I 580 NB-MOUNTAIN HOUSE
Site Code : 00000000
Start Date : 5/5/2011

Groups Printed- Bank 2

	I-580 NB RAMPS Southbound				MOUNTAIN HOUSE PKWY. Westbound				I-580 NB RAMPS Northbound				MOUNTAIN HOUSE PKWY. Eastbound				
Start Time	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Int. Total
06:00	0	0	0	0	0	2	10	12	2	0	13	15	0	6	0	6	33
06:15	0	0	0	0	0	12	6	18	1	0	19	20	0	7	0	7	45
06:30	0	0	0	0	0	9	5	14	0	0	17	17	0	6	0	6	37
06:45	0	0	0	0	0	8	10	18	1	0	15	16	0	5	0	5	39
Total	0	0	0	0	0	31	31	62	4	0	64	68	0	24	0	24	154
07:00	0	0	0	0	0	11	10	21	0	0	16	16	0	11	0	11	48
07:15	0	0	0	0	0	7	8	15	0	0	8	8	0	14	0	14	37
07:30	0	0	0	0	0	10	6	16	0	0	8	8	0	9	0	9	33
07:45	0	0	0	0	0	8	8	16	0	0	16	16	0	7	0	7	39
Total	0	0	0	0	0	36	32	68	0	0	48	48	0	41	0	41	157
08:00	0	0	0	0	0	8	15	23	0	0	10	10	0	12	0	12	45
08:15	0	0	0	0	0	10	9	19	0	0	15	15	0	8	0	8	42
08:30	0	0	0	0	0	4	4	8	0	0	13	13	0	5	0	5	26
08:45	0	0	0	0	0	8	11	19	1	0	14	15	0	13	0	13	47
Total	0	0	0	0	0	30	39	69	1	0	52	53	0	38	0	38	160
15:00	0	0	0	0	0	6	3	9	0	0	6	6	0	10	0	10	25
15:15	0	0	0	0	0	7	6	13	1	0	6	7	0	9	0	9	29
15:30	0	0	0	0	0	3	6	9	0	0	5	5	0	7	0	7	21
15:45	0	0	0	0	0	9	6	15	0	0	4	4	0	11	0	11	30
Total	0	0	0	0	0	25	21	46	1	0	21	22	0	37	0	37	105
16:00	0	0	0	0	0	7	10	17	0	0	3	3	0	3	0	3	23
16:15	0	0	0	0	0	6	4	10	0	0	4	4	0	9	0	9	23
16:30	0	0	0	0	0	6	2	8	0	0	2	2	0	3	0	3	13
16:45	0	0	0	0	0	2	7	9	0	0	4	4	0	7	0	7	20
Total	0	0	0	0	0	21	23	44	0	0	13	13	0	22	0	22	79
17:00	0	0	0	0	0	6	6	12	0	0	0	0	0	7	0	7	19
17:15	0	0	0	0	0	1	5	6	0	0	1	1	0	5	0	5	12
17:30	0	0	0	0	0	3	5	8	0	0	1	1	0	5	0	5	14
17:45	0	0	0	0	0	3	4	7	0	0	0	0	0	4	0	4	11
Total	0	0	0	0	0	13	20	33	0	0	2	2	0	21	0	21	56

All Traffic Data

(916) 771-8700

CITY OF TRACY
BIKES ON BANK 1
TRUCKS ON BANK 2

File Name : 11-7198-004 I 580 NB-MOUNTAIN HOUSE
Site Code : 00000000
Start Date : 5/5/2011
Page No : 2

Groups Printed- Bank 2

	I-580 NB RAMPS Southbound				MOUNTAIN HOUSE PKWY. Westbound				I-580 NB RAMPS Northbound				MOUNTAIN HOUSE PKWY. Eastbound				
	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Int. Total
Grand Total	0	0	0	0	0	156	166	322	6	0	200	206	0	183	0	183	711
Apprch %	0	0	0		0	48.4	51.6		2.9	0	97.1		0	100	0		
Total %	0	0	0	0	0	21.9	23.3	45.3	0.8	0	28.1	29	0	25.7	0	25.7	

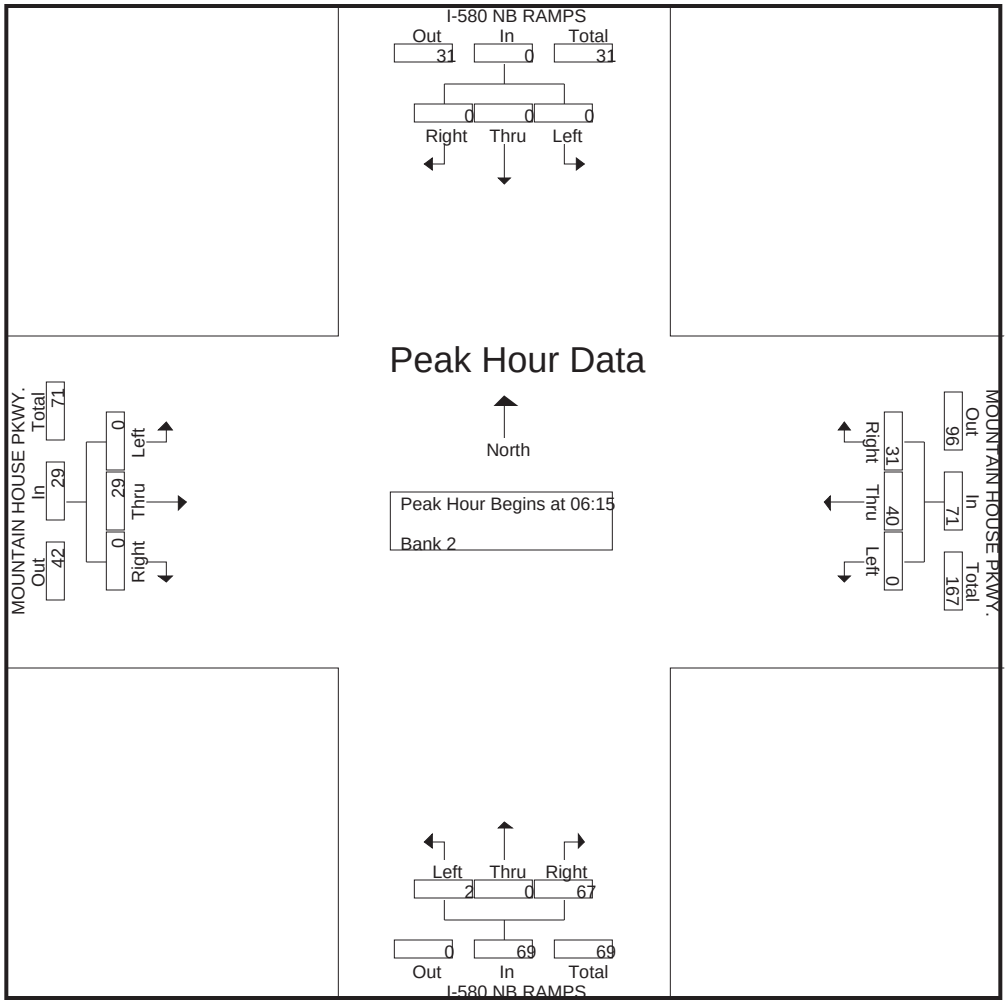
	I-580 NB RAMPS Southbound				MOUNTAIN HOUSE PKWY. Westbound				I-580 NB RAMPS Northbound				MOUNTAIN HOUSE PKWY. Eastbound				
Start Time	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Int. Total
Peak Hour Analysis From 06:00 to 08:45 - Peak 1 of 1																	
Peak Hour for Entire Intersection Begins at 06:15																	
06:15	0	0	0	0	0	**12**	6	18	**1**	0	**19**	**20**	0	7	0	7	45
06:30	0	0	0	0	0	9	5	14	0	0	17	17	0	6	0	6	37
06:45	0	0	0	0	0	8	**10**	18	1	0	15	16	0	5	0	5	39
07:00	0	0	0	0	0	11	10	**21**	0	0	16	16	0	**11**	0	**11**	**48**
Total Volume	0	0	0	0	0	40	31	71	2	0	67	69	0	29	0	29	169
% App. Total	0	0	0		0	56.3	43.7		2.9	0	97.1		0	100	0		
PHF	.000	.000	.000	.000	.000	.833	.775	.845	.500	.000	.882	.863	.000	.659	.000	.659	.880

All Traffic Data

(916) 771-8700

CITY OF TRACY
BIKES ON BANK 1
TRUCKS ON BANK 2

File Name : 11-7198-004 I 580 NB-MOUNTAIN HOUSE
Site Code : 00000000
Start Date : 5/5/2011
Page No : 3



All Traffic Data

(916) 771-8700

CITY OF TRACY
BIKES ON BANK 1
TRUCKS ON BANK 2

File Name : 11-7198-004 I 580 NB-MOUNTAIN HOUSE
Site Code : 00000000
Start Date : 5/5/2011
Page No : 4

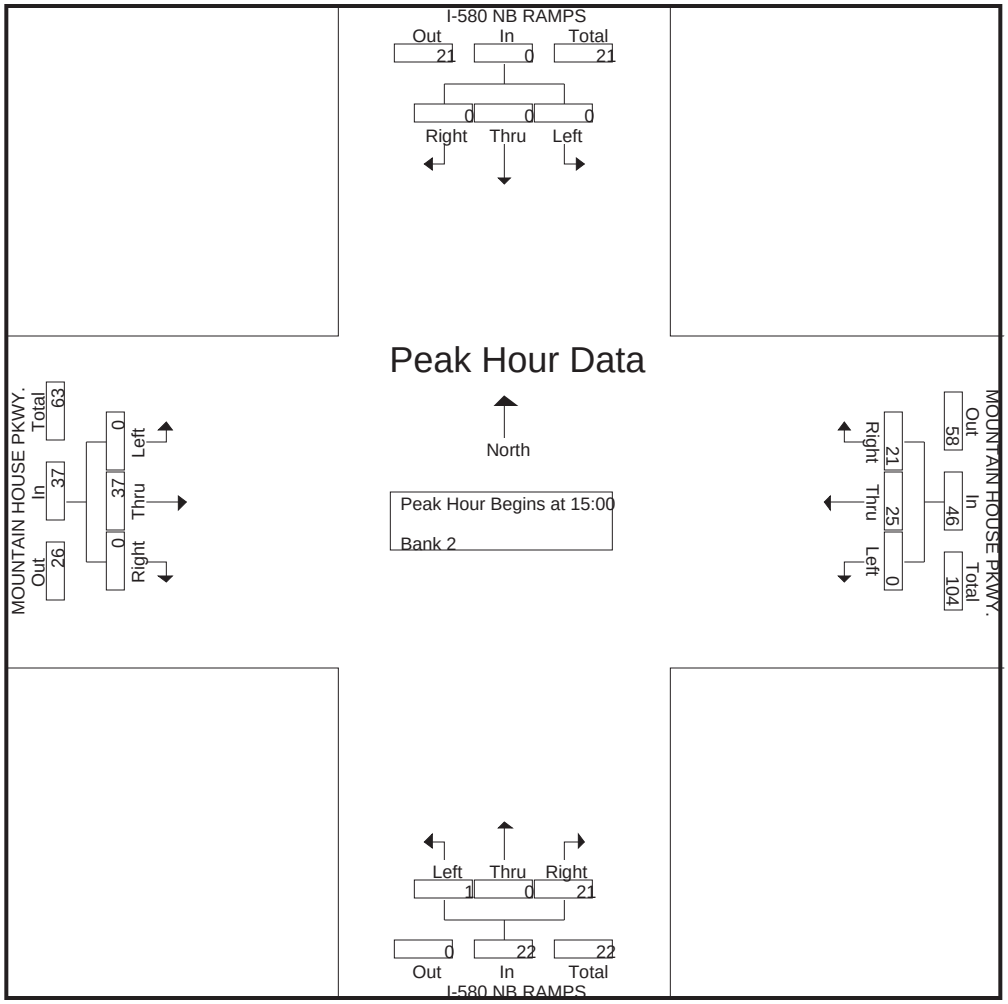
	I-580 NB RAMPS Southbound				MOUNTAIN HOUSE PKWY. Westbound				I-580 NB RAMPS Northbound				MOUNTAIN HOUSE PKWY. Eastbound				
Start Time	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Int. Total
Peak Hour Analysis From 15:00 to 17:45 - Peak 1 of 1																	
Peak Hour for Entire Intersection Begins at 15:00																	
15:00	0	0	0	0	0	6	3	9	0	0	**6**	6	0	10	0	10	25
15:15	0	0	0	0	0	7	**6**	13	**1**	0	6	**7**	0	9	0	9	29
15:30	0	0	0	0	0	3	6	9	0	0	5	5	0	7	0	7	21
15:45	0	0	0	0	0	**9**	6	**15**	0	0	4	4	0	**11**	0	**11**	**30**
Total Volume	0	0	0	0	0	25	21	46	1	0	21	22	0	37	0	37	105
% App. Total	0	0	0		0	54.3	45.7		4.5	0	95.5		0	100	0		
PHF	.000	.000	.000	.000	.000	.694	.875	.767	.250	.000	.875	.786	.000	.841	.000	.841	.875

All Traffic Data

(916) 771-8700

CITY OF TRACY
BIKES ON BANK 1
TRUCKS ON BANK 2

File Name : 11-7198-004 I 580 NB-MOUNTAIN HOUSE
Site Code : 00000000
Start Date : 5/5/2011
Page No : 5



All Traffic Data

(916) 771-8700

CITY OF TRACY
BIKES ON BANK 1
TRUCKS ON BANK 2

File Name : 11-7198-004 I 580 NB-MOUNTAIN HOUSE
Site Code : 00000000
Start Date : 5/5/2011
Page No : 1

Groups Printed- Bank 1

	I-580 NB RAMPS Southbound				MOUNTAIN HOUSE PKWY. Westbound				I-580 NB RAMPS Northbound				MOUNTAIN HOUSE PKWY. Eastbound				
Start Time	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Int. Total
Grand Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Apprch %	0	0	0		0	0	0		0	0	0		0	0	0		
Total %																	

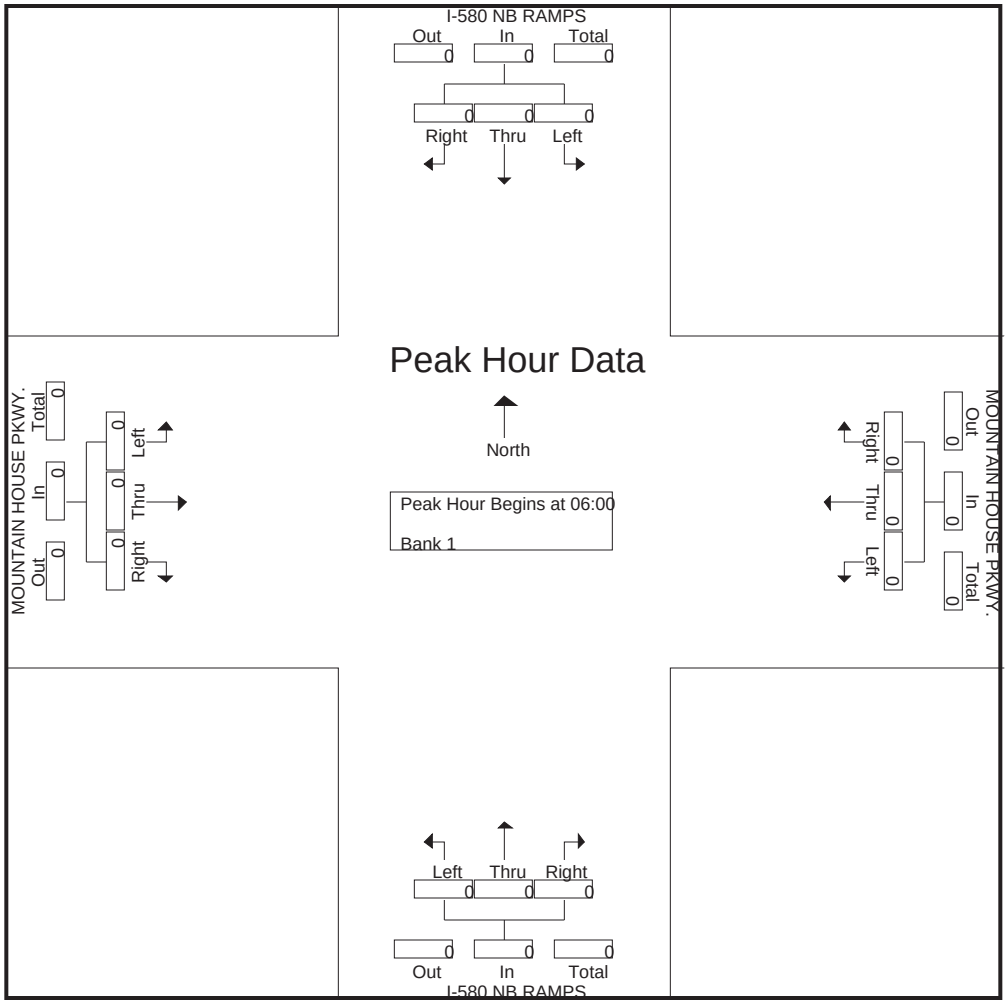
	I-580 NB RAMPS Southbound				MOUNTAIN HOUSE PKWY. Westbound				I-580 NB RAMPS Northbound				MOUNTAIN HOUSE PKWY. Eastbound				
Start Time	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Int. Total
Peak Hour Analysis From 06:00 to 08:45 - Peak 1 of 1																	
Peak Hour for Entire Intersection Begins at 06:00																	
06:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
06:15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
06:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
06:45	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Volume	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
% App. Total	0	0	0		0	0	0		0	0	0		0	0	0		
PHF	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

All Traffic Data

(916) 771-8700

CITY OF TRACY
BIKES ON BANK 1
TRUCKS ON BANK 2

File Name : 11-7198-004 I 580 NB-MOUNTAIN HOUSE
Site Code : 00000000
Start Date : 5/5/2011
Page No : 2



All Traffic Data

(916) 771-8700

CITY OF TRACY
BIKES ON BANK 1
TRUCKS ON BANK 2

File Name : 11-7198-004 I 580 NB-MOUNTAIN HOUSE
Site Code : 00000000
Start Date : 5/5/2011
Page No : 3

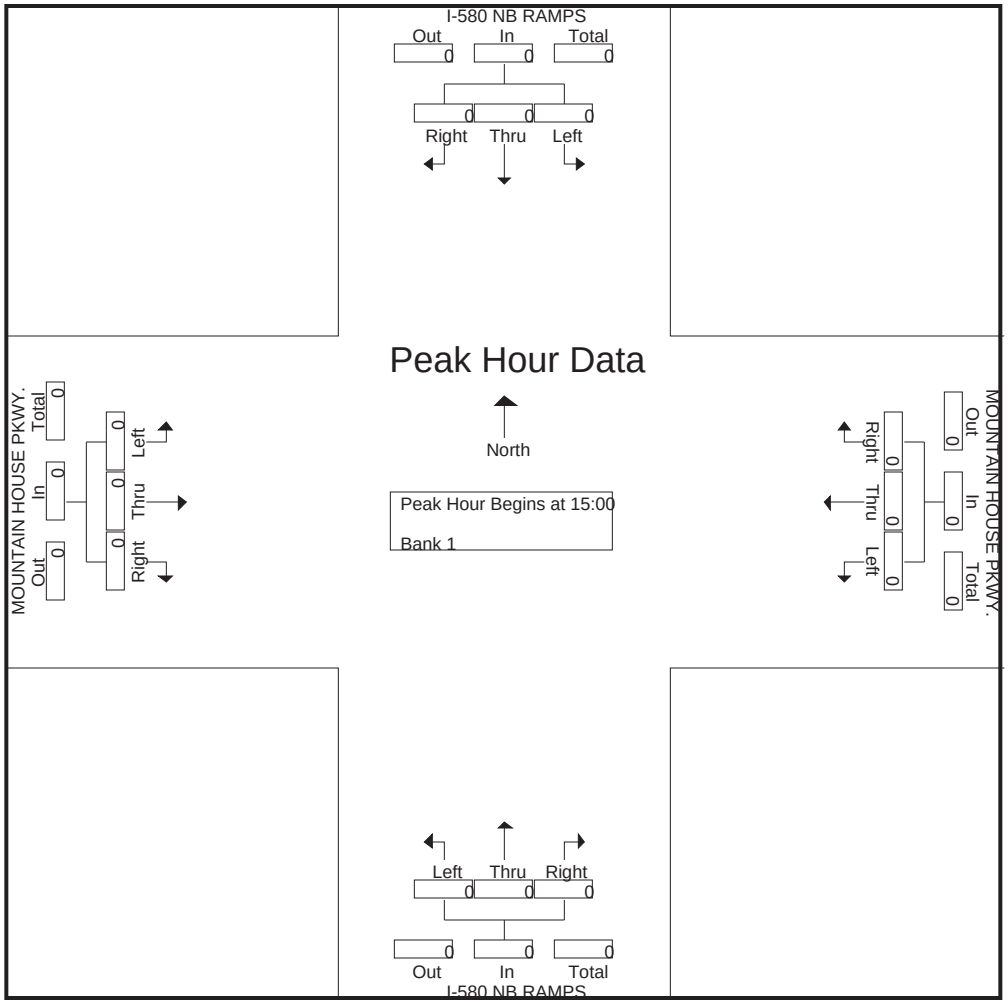
	I-580 NB RAMPS Southbound				MOUNTAIN HOUSE PKWY. Westbound				I-580 NB RAMPS Northbound				MOUNTAIN HOUSE PKWY. Eastbound				
Start Time	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Int. Total
Peak Hour Analysis From 15:00 to 17:45 - Peak 1 of 1																	
Peak Hour for Entire Intersection Begins at 15:00																	
15:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15:15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15:45	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Volume	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
% App. Total	0	0	0		0	0	0		0	0	0		0	0	0		
PHF	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

All Traffic Data

(916) 771-8700

CITY OF TRACY
BIKES ON BANK 1
TRUCKS ON BANK 2

File Name : 11-7198-004 I 580 NB-MOUNTAIN HOUSE
Site Code : 00000000
Start Date : 5/5/2011
Page No : 4



All Traffic Data

(916) 771-8700

CITY OF TRACY
BIKES ON BANK 1
TRUCKS ON BANK 2

File Name : 11-7198-004 I 580 NB-MOUNTAIN HOUSE
Site Code : 00000000
Start Date : 5/5/2011
Page No : 1

Groups Printed- Unshifted - Bank 2

	I-580 NB RAMPS Southbound				MOUNTAIN HOUSE PKWY. Westbound				I-580 NB RAMPS Northbound				MOUNTAIN HOUSE PKWY. Eastbound				
Start Time	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Int. Total
06:00	0	0	0	0	0	85	103	188	27	0	44	71	2	27	0	29	288
06:15	0	0	0	0	0	129	102	231	42	0	58	100	2	22	0	24	355
06:30	0	0	0	0	0	130	88	218	52	0	60	112	4	19	0	23	353
06:45	0	0	0	0	0	100	90	190	33	0	59	92	3	23	0	26	308
Total	0	0	0	0	0	444	383	827	154	0	221	375	11	91	0	102	1304
07:00	0	0	0	0	0	109	91	200	30	0	52	82	6	25	0	31	313
07:15	0	0	0	0	0	83	71	154	29	0	32	61	5	48	0	53	268
07:30	0	0	0	0	0	94	73	167	32	0	33	65	5	29	0	34	266
07:45	0	0	0	0	0	61	59	120	10	0	49	59	4	29	0	33	212
Total	0	0	0	0	0	347	294	641	101	0	166	267	20	131	0	151	1059
08:00	0	0	0	0	0	50	54	104	10	0	37	47	4	36	0	40	191
08:15	0	0	0	0	0	47	37	84	2	0	50	52	2	28	0	30	166
08:30	0	0	0	0	0	49	41	90	6	0	37	43	2	17	0	19	152
08:45	0	0	0	0	0	31	57	88	7	0	39	46	1	43	0	44	178
Total	0	0	0	0	0	177	189	366	25	0	163	188	9	124	0	133	687
15:00	0	0	0	0	0	50	30	80	3	0	24	27	1	74	0	75	182
15:15	0	0	0	0	0	36	24	60	3	1	29	33	2	63	0	65	158
15:30	0	0	0	0	0	42	41	83	4	0	28	32	3	89	0	92	207
15:45	0	0	0	0	0	42	26	68	2	0	23	25	4	98	0	102	195
Total	0	0	0	0	0	170	121	291	12	1	104	117	10	324	0	334	742
16:00	0	0	0	0	0	47	39	86	1	0	25	26	2	70	0	72	184
16:15	0	0	0	0	0	45	23	68	1	0	24	25	2	113	0	115	208
16:30	0	0	0	0	0	63	25	88	1	0	22	23	3	99	0	102	213
16:45	0	0	0	0	0	32	36	68	1	0	24	25	4	111	0	115	208
Total	0	0	0	0	0	187	123	310	4	0	95	99	11	393	0	404	813
17:00	0	0	0	0	0	36	34	70	1	1	16	18	0	101	0	101	189
17:15	0	0	0	0	0	37	25	62	3	0	18	21	1	110	0	111	194
17:30	0	0	0	0	0	39	26	65	2	0	15	17	2	99	0	101	183
17:45	0	0	0	0	0	25	27	52	0	0	16	16	1	87	0	88	156
Total	0	0	0	0	0	137	112	249	6	1	65	72	4	397	0	401	722

All Traffic Data

(916) 771-8700

CITY OF TRACY
BIKES ON BANK 1
TRUCKS ON BANK 2

File Name : 11-7198-004 I 580 NB-MOUNTAIN HOUSE
Site Code : 00000000
Start Date : 5/5/2011
Page No : 2

Groups Printed- Unshifted - Bank 2

	I-580 NB RAMPS Southbound				MOUNTAIN HOUSE PKWY. Westbound				I-580 NB RAMPS Northbound				MOUNTAIN HOUSE PKWY. Eastbound				
	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Int. Total
Grand Total	0	0	0	0	0	1462	1222	2684	302	2	814	1118	65	1460	0	1525	5327
Apprch %	0	0	0		0	54.5	45.5		27	0.2	72.8		4.3	95.7	0		
Total %	0	0	0	0	0	27.4	22.9	50.4	5.7	0	15.3	21	1.2	27.4	0	28.6	
Unshifted	0	0	0	0	0	1306	1056	2362	296	2	614	912	65	1277	0	1342	4616
% Unshifted	0	0	0	0	0	89.3	86.4	88	98	100	75.4	81.6	100	87.5	0	88	86.7
Bank 2	0	0	0	0	0	156	166	322	6	0	200	206	0	183	0	183	711
% Bank 2	0	0	0	0	0	10.7	13.6	12	2	0	24.6	18.4	0	12.5	0	12	13.3

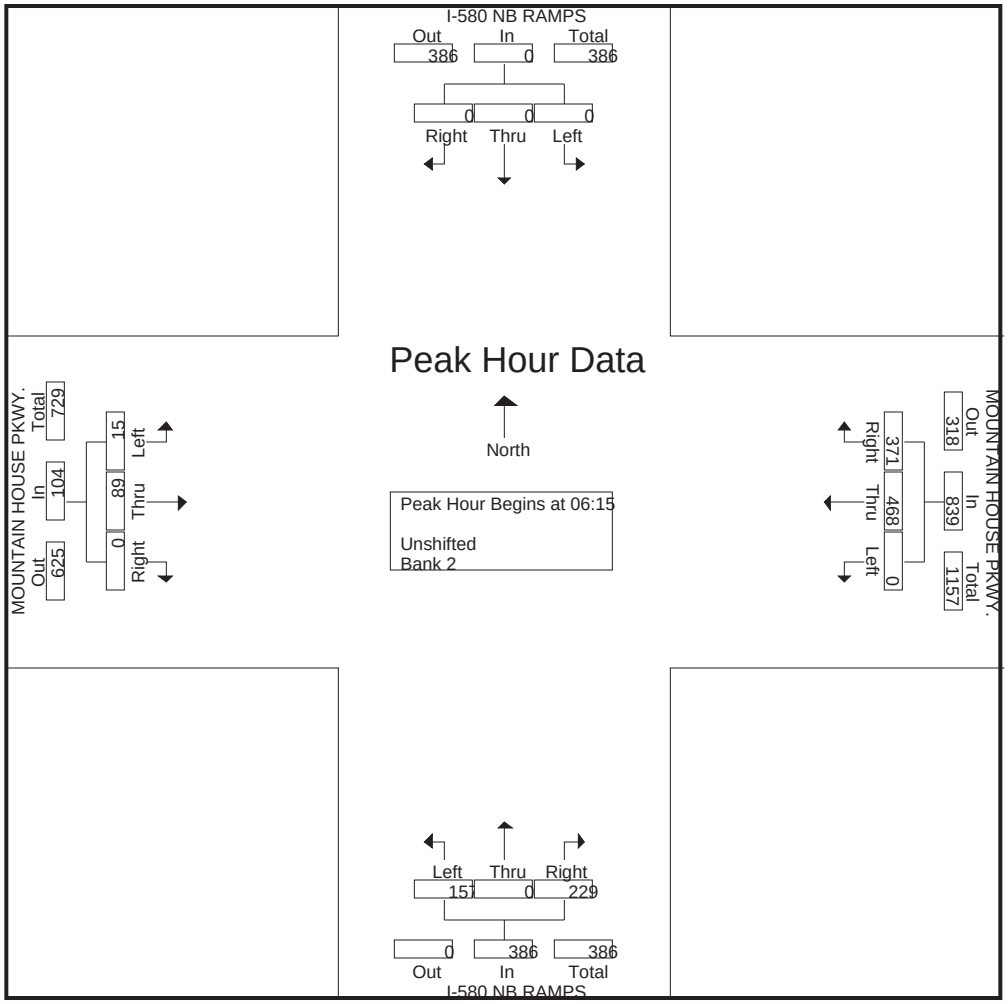
	I-580 NB RAMPS Southbound				MOUNTAIN HOUSE PKWY. Westbound				I-580 NB RAMPS Northbound				MOUNTAIN HOUSE PKWY. Eastbound				
Start Time	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Int. Total
Peak Hour Analysis From 06:00 to 08:45 - Peak 1 of 1																	
Peak Hour for Entire Intersection Begins at 06:15																	
06:15	0	0	0	0	0	129	**102**	**231**	42	0	58	100	2	22	0	24	**355**
06:30	0	0	0	0	0	**130**	88	218	**52**	0	**60**	**112**	4	19	0	23	353
06:45	0	0	0	0	0	100	90	190	33	0	59	92	3	23	0	26	308
07:00	0	0	0	0	0	109	91	200	30	0	52	82	**6**	**25**	0	**31**	313
Total Volume	0	0	0	0	0	468	371	839	157	0	229	386	15	89	0	104	1329
% App. Total	0	0	0		0	55.8	44.2		40.7	0	59.3		14.4	85.6	0		
PHF	.000	.000	.000	.000	.000	.900	.909	.908	.755	.000	.954	.862	.625	.890	.000	.839	.936

All Traffic Data

(916) 771-8700

CITY OF TRACY
BIKES ON BANK 1
TRUCKS ON BANK 2

File Name : 11-7198-004 I 580 NB-MOUNTAIN HOUSE
Site Code : 00000000
Start Date : 5/5/2011
Page No : 3



All Traffic Data

(916) 771-8700

CITY OF TRACY
BIKES ON BANK 1
TRUCKS ON BANK 2

File Name : 11-7198-004 I 580 NB-MOUNTAIN HOUSE
Site Code : 00000000
Start Date : 5/5/2011
Page No : 4

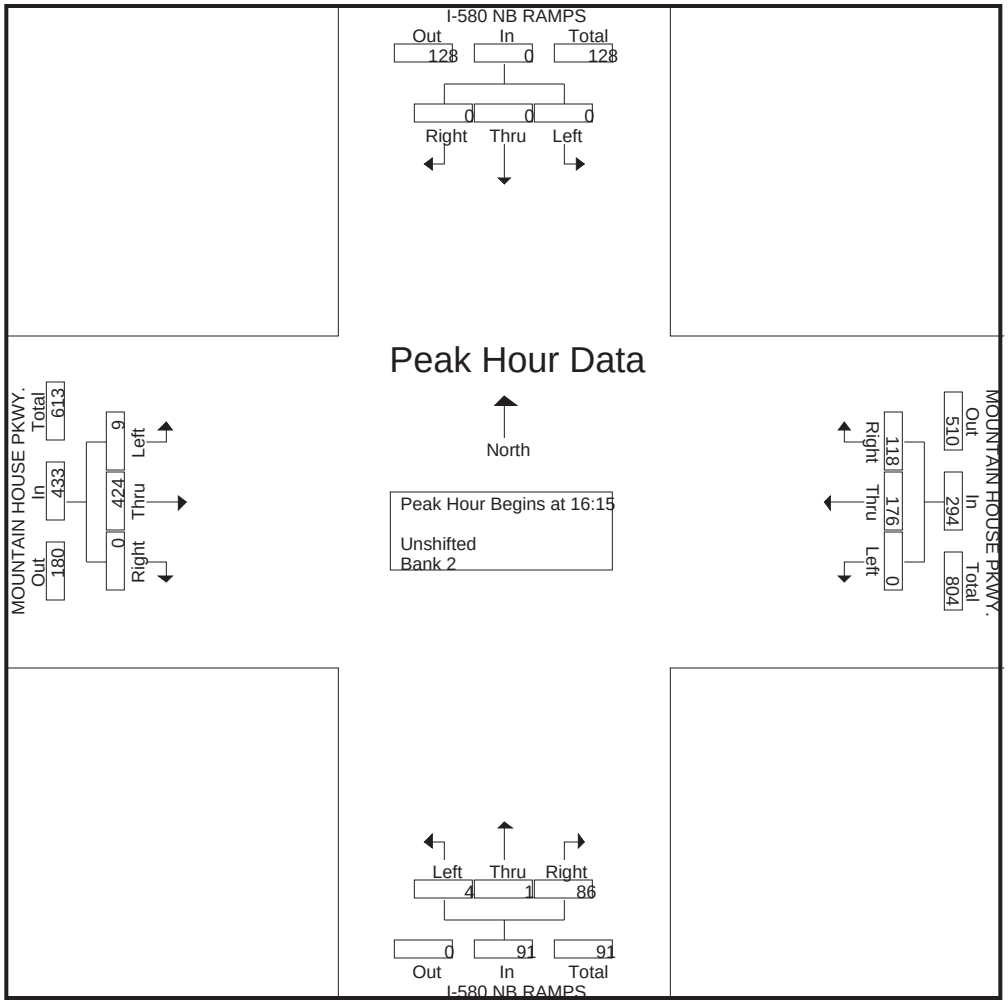
	I-580 NB RAMPS Southbound				MOUNTAIN HOUSE PKWY. Westbound				I-580 NB RAMPS Northbound				MOUNTAIN HOUSE PKWY. Eastbound				
Start Time	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Int. Total
Peak Hour Analysis From 15:00 to 17:45 - Peak 1 of 1																	
Peak Hour for Entire Intersection Begins at 16:15																	
16:15	0	0	0	0	0	45	23	68	**1**	0	**24**	**25**	2	**113**	0	**115**	208
16:30	0	0	0	0	0	**63**	25	**88**	1	0	22	23	3	99	0	102	**213**
16:45	0	0	0	0	0	32	**36**	68	1	0	24	25	**4**	111	0	115	208
17:00	0	0	0	0	0	36	34	70	1	**1**	16	18	0	101	0	101	189
Total Volume	0	0	0	0	0	176	118	294	4	1	86	91	9	424	0	433	818
% App. Total	0	0	0		0	59.9	40.1		4.4	1.1	94.5		2.1	97.9	0		
PHF	.000	.000	.000	.000	.000	.698	.819	.835	1.000	.250	.896	.910	.563	.938	.000	.941	.960

All Traffic Data

(916) 771-8700

CITY OF TRACY
BIKES ON BANK 1
TRUCKS ON BANK 2

File Name : 11-7198-004 I 580 NB-MOUNTAIN HOUSE
Site Code : 00000000
Start Date : 5/5/2011
Page No : 5



All Traffic Data

(916) 771-8700

CITY OF TRACY
BIKES ON BANK 1
TRUCKS ON BANK 2

File Name : 11-7198-004 I 580 NB-MOUNTAIN HOUSE
Site Code : 00000000
Start Date : 5/5/2011
Page No : 1

Groups Printed- Unshifted

	I-580 NB RAMPS Southbound					MOUNTAIN HOUSE PKWY. Westbound					I-580 NB RAMPS Northbound					MOUNTAIN HOUSE PKWY. Eastbound							
Start Time	Left	Thr	Rig	Ped	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Exclu. Total	Inclu. Total	Int. Total
06:00	0	0	0	0	0	0	83	93	0	176	25	0	31	0	56	2	21	0	0	23	0	255	255
06:15	0	0	0	0	0	0	117	96	0	213	41	0	39	0	80	2	15	0	0	17	0	310	310
06:30	0	0	0	0	0	0	121	83	0	204	52	0	43	0	95	4	13	0	0	17	0	316	316
06:45	0	0	0	0	0	0	92	80	0	172	32	0	44	0	76	3	18	0	0	21	0	269	269
Total	0	0	0	0	0	0	413	352	0	765	150	0	157	0	307	11	67	0	0	78	0	1150	1150
07:00	0	0	0	0	0	0	98	81	0	179	30	0	36	0	66	6	14	0	0	20	0	265	265
07:15	0	0	0	0	0	0	76	63	0	139	29	0	24	0	53	5	34	0	0	39	0	231	231
07:30	0	0	0	0	0	0	84	67	0	151	32	0	25	0	57	5	20	0	0	25	0	233	233
07:45	0	0	0	0	0	0	53	51	0	104	10	0	33	0	43	4	22	0	0	26	0	173	173
Total	0	0	0	0	0	0	311	262	0	573	101	0	118	0	219	20	90	0	0	110	0	902	902
08:00	0	0	0	0	0	0	42	39	0	81	10	0	27	0	37	4	24	0	0	28	0	146	146
08:15	0	0	0	0	0	0	37	28	0	65	2	0	35	0	37	2	20	0	0	22	0	124	124
08:30	0	0	0	0	0	0	45	37	0	82	6	0	24	0	30	2	12	0	0	14	0	126	126
08:45	0	0	0	0	0	0	23	46	0	69	6	0	25	0	31	1	30	0	0	31	0	131	131
Total	0	0	0	0	0	0	147	150	0	297	24	0	111	0	135	9	86	0	0	95	0	527	527
15:00	0	0	0	0	0	0	44	27	0	71	3	0	18	0	21	1	64	0	0	65	0	157	157
15:15	0	0	0	0	0	0	29	18	0	47	2	1	23	0	26	2	54	0	0	56	0	129	129
15:30	0	0	0	0	0	0	39	35	0	74	4	0	23	0	27	3	82	0	0	85	0	186	186
15:45	0	0	0	0	0	0	33	20	0	53	2	0	19	0	21	4	87	0	0	91	0	165	165
Total	0	0	0	0	0	0	145	100	0	245	11	1	83	0	95	10	287	0	0	297	0	637	637
16:00	0	0	0	0	0	0	40	29	0	69	1	0	22	0	23	2	67	0	0	69	0	161	161
16:15	0	0	0	0	0	0	39	19	0	58	1	0	20	0	21	2	104	0	0	106	0	185	185
16:30	0	0	0	0	0	0	57	23	0	80	1	0	20	0	21	3	96	0	0	99	0	200	200
16:45	0	0	0	0	0	0	30	29	0	59	1	0	20	0	21	4	104	0	0	108	0	188	188
Total	0	0	0	0	0	0	166	100	0	266	4	0	82	0	86	11	371	0	0	382	0	734	734
17:00	0	0	0	0	0	0	30	28	0	58	1	1	16	0	18	0	94	0	0	94	0	170	170
17:15	0	0	0	0	0	0	36	20	0	56	3	0	17	0	20	1	105	0	0	106	0	182	182
17:30	0	0	0	0	0	0	36	21	0	57	2	0	14	0	16	2	94	0	0	96	0	169	169
17:45	0	0	0	0	0	0	22	23	0	45	0	0	16	0	16	1	83	0	0	84	0	145	145
Total	0	0	0	0	0	0	124	92	0	216	6	1	63	0	70	4	376	0	0	380	0	666	666
Grand Total	0	0	0	0	0	0	1306	1056	0	2362	296	2	614	0	912	65	1277	0	0	1342	0	4616	4616
Apprch %	0	0	0			0	55.3	44.7			32.5	0.2	67.3			4.8	95.2	0					
Total %	0	0	0		0	0	28.3	22.9		51.2	6.4	0	13.3		19.8	1.4	27.7	0		29.1	0	100	

All Traffic Data

(916) 771-8700

CITY OF TRACY
BIKES ON BANK 1
TRUCKS ON BANK 2

File Name : 11-7198-004 I 580 NB-MOUNTAIN HOUSE
Site Code : 00000000
Start Date : 5/5/2011
Page No : 2

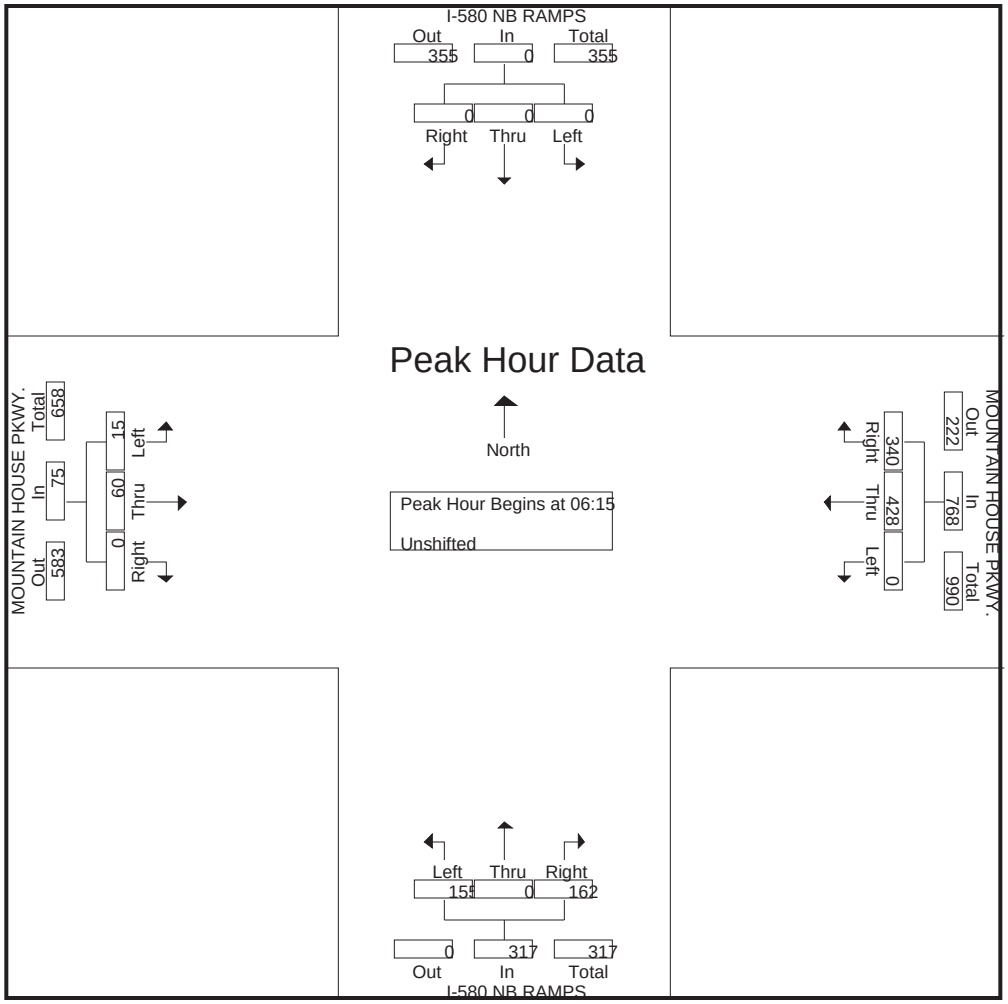
	I-580 NB RAMPS Southbound				MOUNTAIN HOUSE PKWY. Westbound				I-580 NB RAMPS Northbound				MOUNTAIN HOUSE PKWY. Eastbound				
Start Time	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Int. Total
Peak Hour Analysis From 06:00 to 08:45 - Peak 1 of 1																	
Peak Hour for Entire Intersection Begins at 06:15																	
06:15	0	0	0	0	0	117	**96**	**213**	41	0	39	80	2	15	0	17	310
06:30	0	0	0	0	0	**121**	83	204	**52**	0	43	**95**	4	13	0	17	**316**
06:45	0	0	0	0	0	92	80	172	32	0	**44**	76	3	**18**	0	**21**	269
07:00	0	0	0	0	0	98	81	179	30	0	36	66	**6**	14	0	20	265
Total Volume	0	0	0	0	0	428	340	768	155	0	162	317	15	60	0	75	1160
% App. Total	0	0	0		0	55.7	44.3		48.9	0	51.1		20	80	0		
PHF	.000	.000	.000	.000	.000	.884	.885	.901	.745	.000	.920	.834	.625	.833	.000	.893	.918

All Traffic Data

(916) 771-8700

CITY OF TRACY
BIKES ON BANK 1
TRUCKS ON BANK 2

File Name : 11-7198-004 I 580 NB-MOUNTAIN HOUSE
Site Code : 00000000
Start Date : 5/5/2011
Page No : 3



All Traffic Data

(916) 771-8700

CITY OF TRACY
BIKES ON BANK 1
TRUCKS ON BANK 2

File Name : 11-7198-004 I 580 NB-MOUNTAIN HOUSE
Site Code : 00000000
Start Date : 5/5/2011
Page No : 4

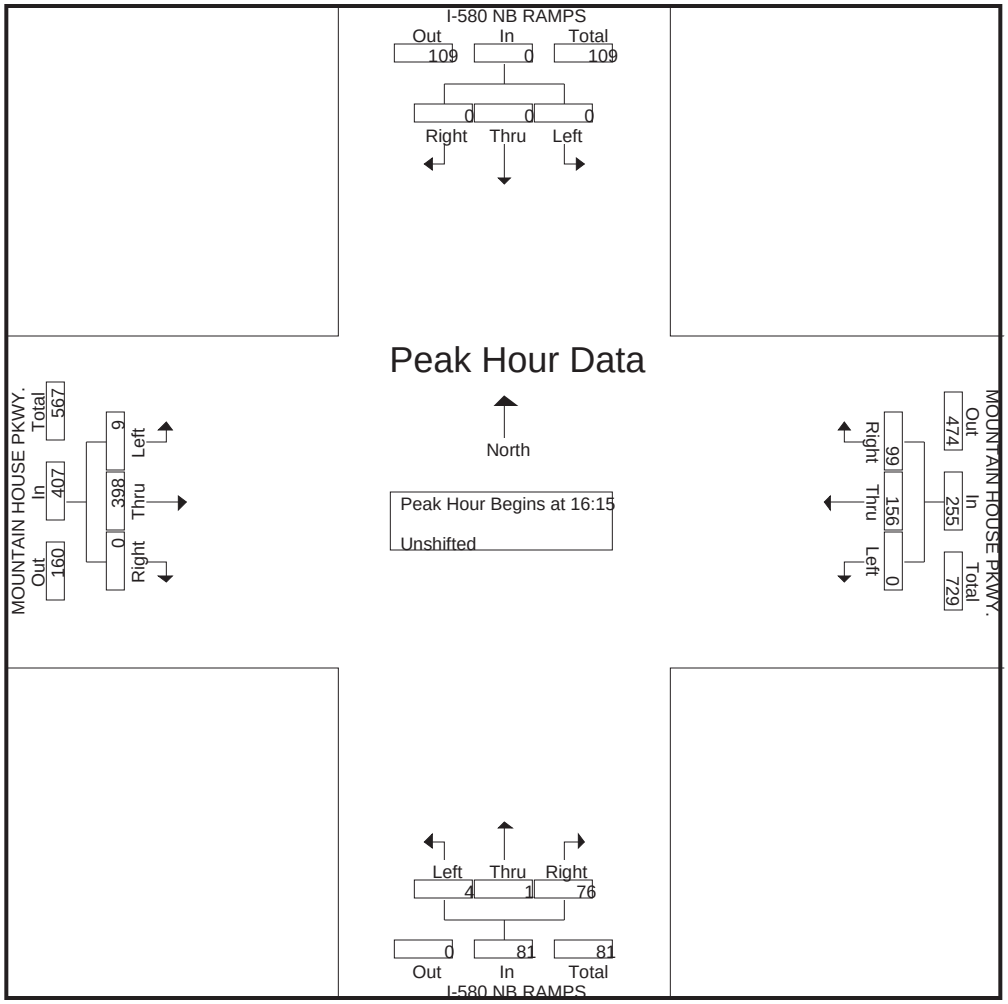
	I-580 NB RAMPS Southbound				MOUNTAIN HOUSE PKWY. Westbound				I-580 NB RAMPS Northbound				MOUNTAIN HOUSE PKWY. Eastbound				
Start Time	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Int. Total
Peak Hour Analysis From 15:00 to 17:45 - Peak 1 of 1																	
Peak Hour for Entire Intersection Begins at 16:15																	
16:15	0	0	0	0	0	39	19	58	**1**	0	**20**	**21**	2	**104**	0	106	185
16:30	0	0	0	0	0	**57**	23	**80**	1	0	20	21	3	96	0	99	**200**
16:45	0	0	0	0	0	30	**29**	59	1	0	20	21	**4**	104	0	**108**	188
17:00	0	0	0	0	0	30	28	58	1	**1**	16	18	0	94	0	94	170
Total Volume	0	0	0	0	0	156	99	255	4	1	76	81	9	398	0	407	743
% App. Total	0	0	0		0	61.2	38.8		4.9	1.2	93.8		2.2	97.8	0		
PHF	.000	.000	.000	.000	.000	.684	.853	.797	1.000	.250	.950	.964	.563	.957	.000	.942	.929

All Traffic Data

(916) 771-8700

CITY OF TRACY
BIKES ON BANK 1
TRUCKS ON BANK 2

File Name : 11-7198-004 I 580 NB-MOUNTAIN HOUSE
Site Code : 00000000
Start Date : 5/5/2011
Page No : 5



All Traffic Data

(916) 771-8700

CITY OF TRACY
BIKES ON BANK 1
TRUCKS ON BANK 2

File Name : 11-7198-003 MOUNTAIN HOUSE-SCHULTE
Site Code : 00000000
Start Date : 5/5/2011
Page No : 1

Groups Printed- Bank 2

	MOUNTAIN HOUSE PKWY. Southbound				W. SCHULTE RD. Westbound				MOUNTAIN HOUSE PKWY. Northbound				W. SCHULTE RD. Eastbound				
Start Time	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Int. Total
06:00	13	3	2	18	8	1	8	17	6	5	9	20	2	3	0	5	60
06:15	17	7	0	24	12	0	6	18	6	9	10	25	1	2	0	3	70
06:30	19	6	2	27	5	5	11	21	1	6	12	19	1	0	1	2	69
06:45	15	5	4	24	11	0	16	27	2	5	11	18	0	0	0	0	69
Total	64	21	8	93	36	6	41	83	15	25	42	82	4	5	1	10	268
07:00	12	0	2	14	16	6	18	40	3	5	23	31	1	1	1	3	88
07:15	11	6	0	17	12	3	19	34	1	2	24	27	0	3	0	3	81
07:30	7	8	1	16	8	7	11	26	1	0	12	13	0	1	0	1	56
07:45	10	6	6	22	6	6	14	26	6	1	17	24	3	1	1	5	77
Total	40	20	9	69	42	22	62	126	11	8	76	95	4	6	2	12	302
08:00	12	9	2	23	14	3	22	39	6	4	14	24	0	1	1	2	88
08:15	17	9	3	29	7	2	11	20	3	9	9	21	1	1	4	6	76
08:30	16	8	3	27	10	1	19	30	2	3	18	23	1	1	0	2	82
08:45	11	5	1	17	13	1	16	30	3	8	13	24	3	1	0	4	75
Total	56	31	9	96	44	7	68	119	14	24	54	92	5	4	5	14	321
15:00	7	2	0	9	6	1	9	16	2	6	9	17	1	2	1	4	46
15:15	8	5	2	15	8	1	7	16	3	6	6	15	1	1	0	2	48
15:30	5	3	0	8	9	1	13	23	2	3	8	13	0	1	0	1	45
15:45	3	6	1	10	7	1	6	14	3	4	9	16	1	0	2	3	43
Total	23	16	3	42	30	4	35	69	10	19	32	61	3	4	3	10	182
16:00	5	7	4	16	10	3	5	18	2	2	2	6	0	1	2	3	43
16:15	5	3	4	12	5	5	6	16	2	0	8	10	0	0	2	2	40
16:30	1	3	2	6	4	1	5	10	1	0	5	6	1	1	0	2	24
16:45	6	1	4	11	7	0	7	14	2	3	8	13	1	0	2	3	41
Total	17	14	14	45	26	9	23	58	7	5	23	35	2	2	6	10	148
17:00	4	3	3	10	7	0	2	9	2	2	3	7	2	0	1	3	29
17:15	4	2	0	6	6	1	6	13	2	0	5	7	3	0	1	4	30
17:30	6	1	1	8	6	0	8	14	0	3	1	4	1	1	1	3	29
17:45	7	2	0	9	4	0	8	12	1	0	4	5	1	0	1	2	28
Total	21	8	4	33	23	1	24	48	5	5	13	23	7	1	4	12	116

All Traffic Data

(916) 771-8700

CITY OF TRACY
BIKES ON BANK 1
TRUCKS ON BANK 2

File Name : 11-7198-003 MOUNTAIN HOUSE-SCHULTE
Site Code : 00000000
Start Date : 5/5/2011
Page No : 2

Groups Printed- Bank 2

	MOUNTAIN HOUSE PKWY. Southbound				W. SCHULTE RD. Westbound				MOUNTAIN HOUSE PKWY. Northbound				W. SCHULTE RD. Eastbound				
	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Int. Total
Grand Total	221	110	47	378	201	49	253	503	62	86	240	388	25	22	21	68	1337
Apprch %	58.5	29.1	12.4		40	9.7	50.3		16	22.2	61.9		36.8	32.4	30.9		
Total %	16.5	8.2	3.5	28.3	15	3.7	18.9	37.6	4.6	6.4	18	29	1.9	1.6	1.6	5.1	

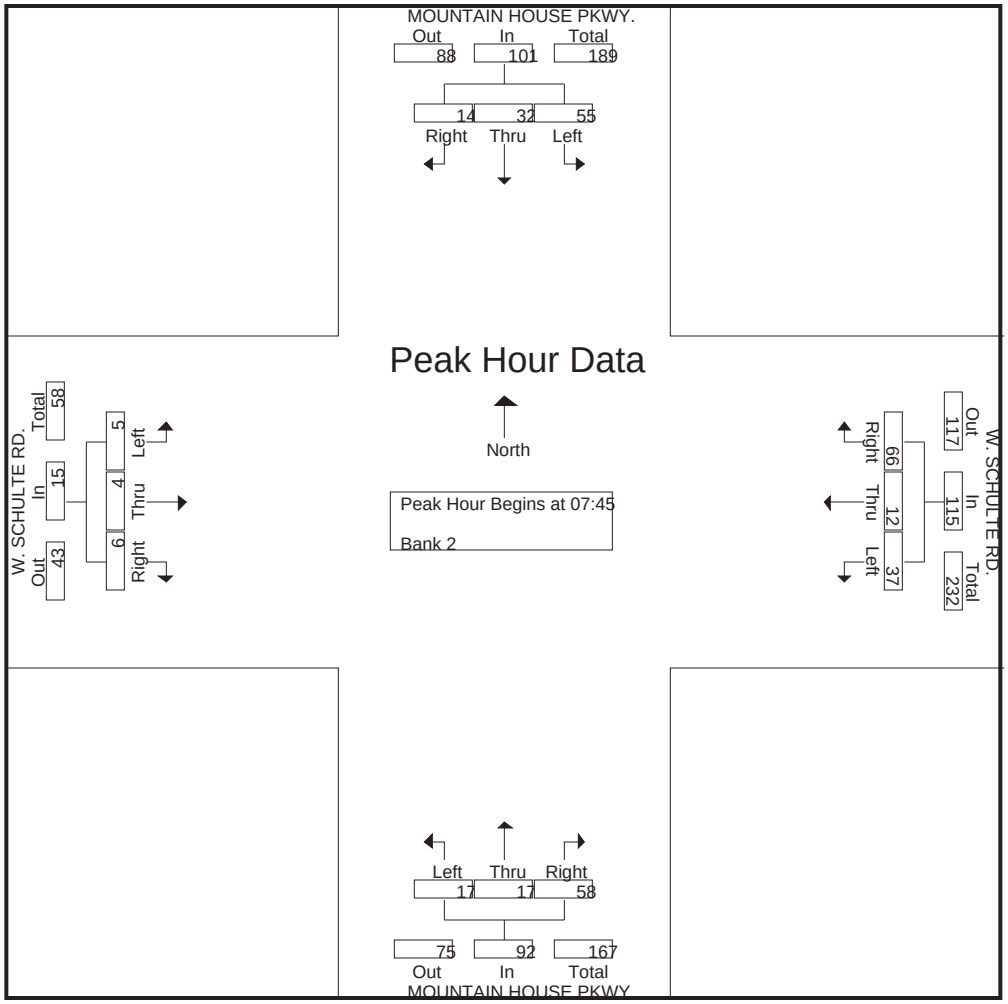
	MOUNTAIN HOUSE PKWY. Southbound				W. SCHULTE RD. Westbound				MOUNTAIN HOUSE PKWY. Northbound				W. SCHULTE RD. Eastbound				
Start Time	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Int. Total
Peak Hour Analysis From 06:00 to 08:45 - Peak 1 of 1																	
Peak Hour for Entire Intersection Begins at 07:45																	
07:45	10	6	**6**	22	6	**6**	14	26	**6**	1	17	**24**	**3**	**1**	1	5	77
08:00	12	**9**	2	23	**14**	3	**22**	**39**	6	4	14	24	0	1	1	2	**88**
08:15	**17**	9	3	**29**	7	2	11	20	3	**9**	9	21	1	1	**4**	**6**	76
08:30	16	8	3	27	10	1	19	30	2	3	**18**	23	1	1	0	2	82
Total Volume	55	32	14	101	37	12	66	115	17	17	58	92	5	4	6	15	323
% App. Total	54.5	31.7	13.9		32.2	10.4	57.4		18.5	18.5	63		33.3	26.7	40		
PHF	.809	.889	.583	.871	.661	.500	.750	.737	.708	.472	.806	.958	.417	1.000	.375	.625	.918

All Traffic Data

(916) 771-8700

CITY OF TRACY
BIKES ON BANK 1
TRUCKS ON BANK 2

File Name : 11-7198-003 MOUNTAIN HOUSE-SCHULTE
Site Code : 00000000
Start Date : 5/5/2011
Page No : 3



All Traffic Data

(916) 771-8700

CITY OF TRACY
BIKES ON BANK 1
TRUCKS ON BANK 2

File Name : 11-7198-003 MOUNTAIN HOUSE-SCHULTE
Site Code : 00000000
Start Date : 5/5/2011
Page No : 4

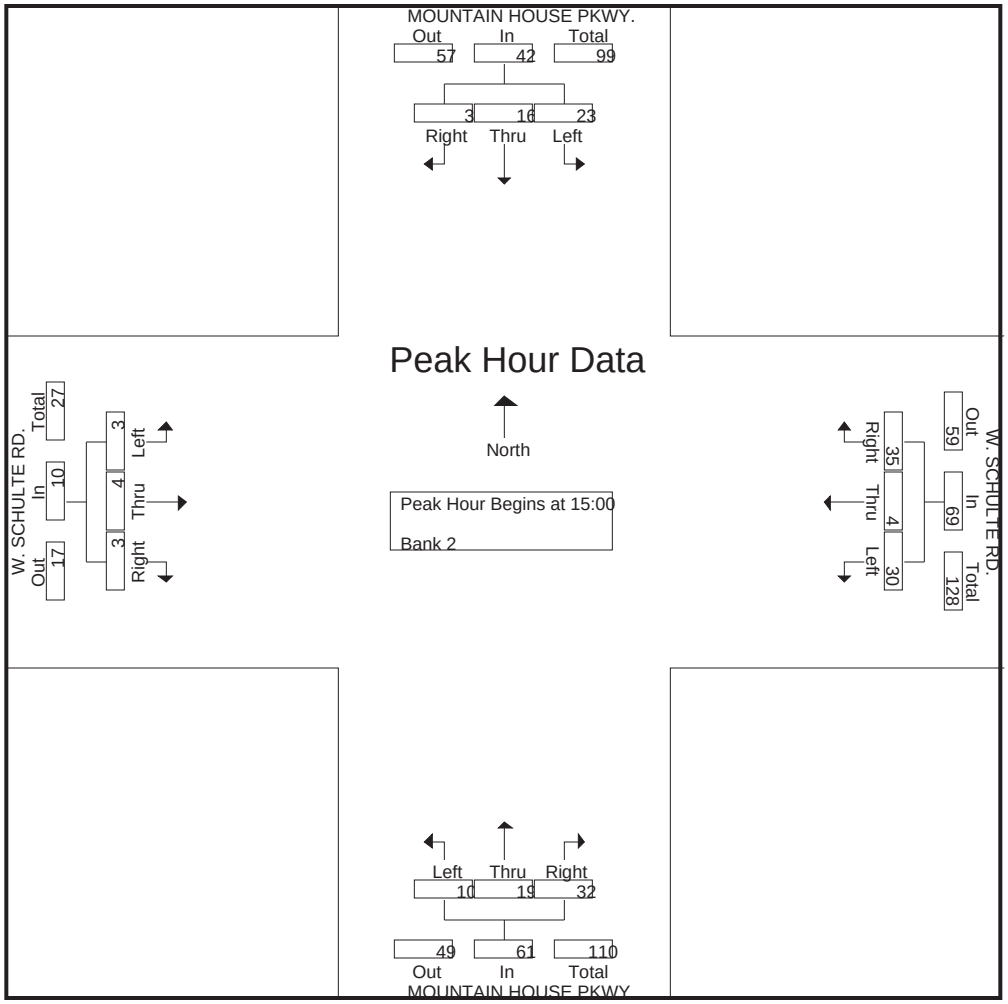
	MOUNTAIN HOUSE PKWY. Southbound				W. SCHULTE RD. Westbound				MOUNTAIN HOUSE PKWY. Northbound				W. SCHULTE RD. Eastbound				
Start Time	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Int. Total
Peak Hour Analysis From 15:00 to 17:45 - Peak 1 of 1																	
Peak Hour for Entire Intersection Begins at 15:00																	
15:00	7	2	0	9	6	**1**	9	16	2	**6**	**9**	**17**	**1**	**2**	1	**4**	46
15:15	**8**	5	**2**	**15**	8	1	7	16	**3**	6	6	15	1	1	0	2	**48**
15:30	5	3	0	8	**9**	1	**13**	**23**	2	3	8	13	0	1	0	1	45
15:45	3	**6**	1	10	7	1	6	14	3	4	9	16	1	0	**2**	3	43
Total Volume	23	16	3	42	30	4	35	69	10	19	32	61	3	4	3	10	182
% App. Total	54.8	38.1	7.1		43.5	5.8	50.7		16.4	31.1	52.5		30	40	30		
PHF	.719	.667	.375	.700	.833	1.000	.673	.750	.833	.792	.889	.897	.750	.500	.375	.625	.948

All Traffic Data

(916) 771-8700

CITY OF TRACY
BIKES ON BANK 1
TRUCKS ON BANK 2

File Name : 11-7198-003 MOUNTAIN HOUSE-SCHULTE
Site Code : 00000000
Start Date : 5/5/2011
Page No : 5



All Traffic Data

(916) 771-8700

CITY OF TRACY
BIKES ON BANK 1
TRUCKS ON BANK 2

File Name : 11-7198-003 MOUNTAIN HOUSE-SCHULTE
Site Code : 00000000
Start Date : 5/5/2011
Page No : 1

Groups Printed- Bank 1

	MOUNTAIN HOUSE PKWY. Southbound				W. SCHULTE RD. Westbound				MOUNTAIN HOUSE PKWY. Northbound				W. SCHULTE RD. Eastbound				
Start Time	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Int. Total
06:45	2	0	0	2	0	0	0	0	0	0	1	1	0	0	0	0	3
Total	2	0	0	2	0	0	0	0	0	0	1	1	0	0	0	0	3
Grand Total	2	0	0	2	0	0	0	0	0	0	1	1	0	0	0	0	3
Apprch %	100	0	0		0	0	0		0	0	100		0	0	0		
Total %	66.7	0	0	66.7	0	0	0	0	0	0	33.3	33.3	0	0	0	0	

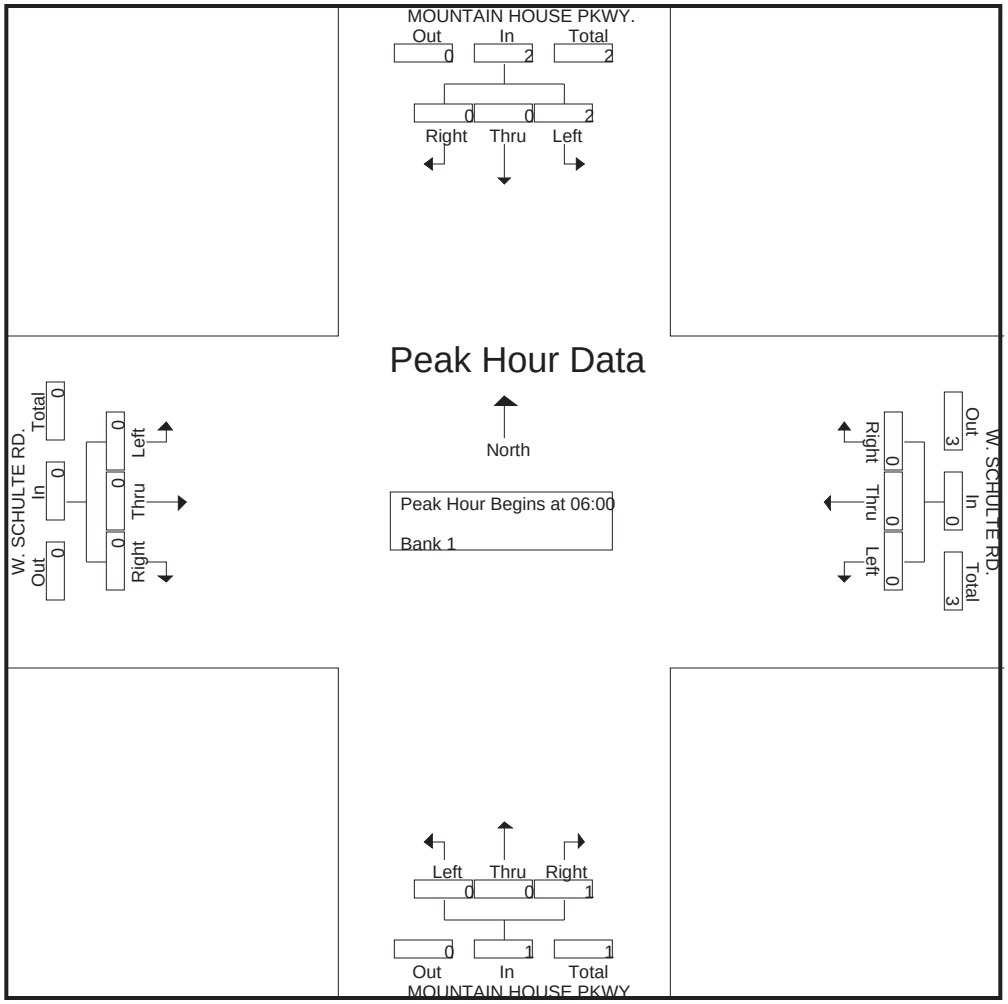
	MOUNTAIN HOUSE PKWY. Southbound				W. SCHULTE RD. Westbound				MOUNTAIN HOUSE PKWY. Northbound				W. SCHULTE RD. Eastbound				
Start Time	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Int. Total
Peak Hour Analysis From 06:00 to 08:45 - Peak 1 of 1																	
Peak Hour for Entire Intersection Begins at 06:00																	
06:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
06:15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
06:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
06:45	**2**	0	0	**2**	0	0	0	0	0	0	**1**	**1**	0	0	0	0	**3**
Total Volume	2	0	0	2	0	0	0	0	0	0	1	1	0	0	0	0	3
% App. Total	100	0	0		0	0	0		0	0	100		0	0	0		
PHF	.250	.000	.000	.250	.000	.000	.000	.000	.000	.000	.250	.250	.000	.000	.000	.000	.250

All Traffic Data

(916) 771-8700

CITY OF TRACY
BIKES ON BANK 1
TRUCKS ON BANK 2

File Name : 11-7198-003 MOUNTAIN HOUSE-SCHULTE
Site Code : 00000000
Start Date : 5/5/2011
Page No : 2



All Traffic Data

(916) 771-8700

CITY OF TRACY
BIKES ON BANK 1
TRUCKS ON BANK 2

File Name : 11-7198-003 MOUNTAIN HOUSE-SCHULTE
Site Code : 00000000
Start Date : 5/5/2011

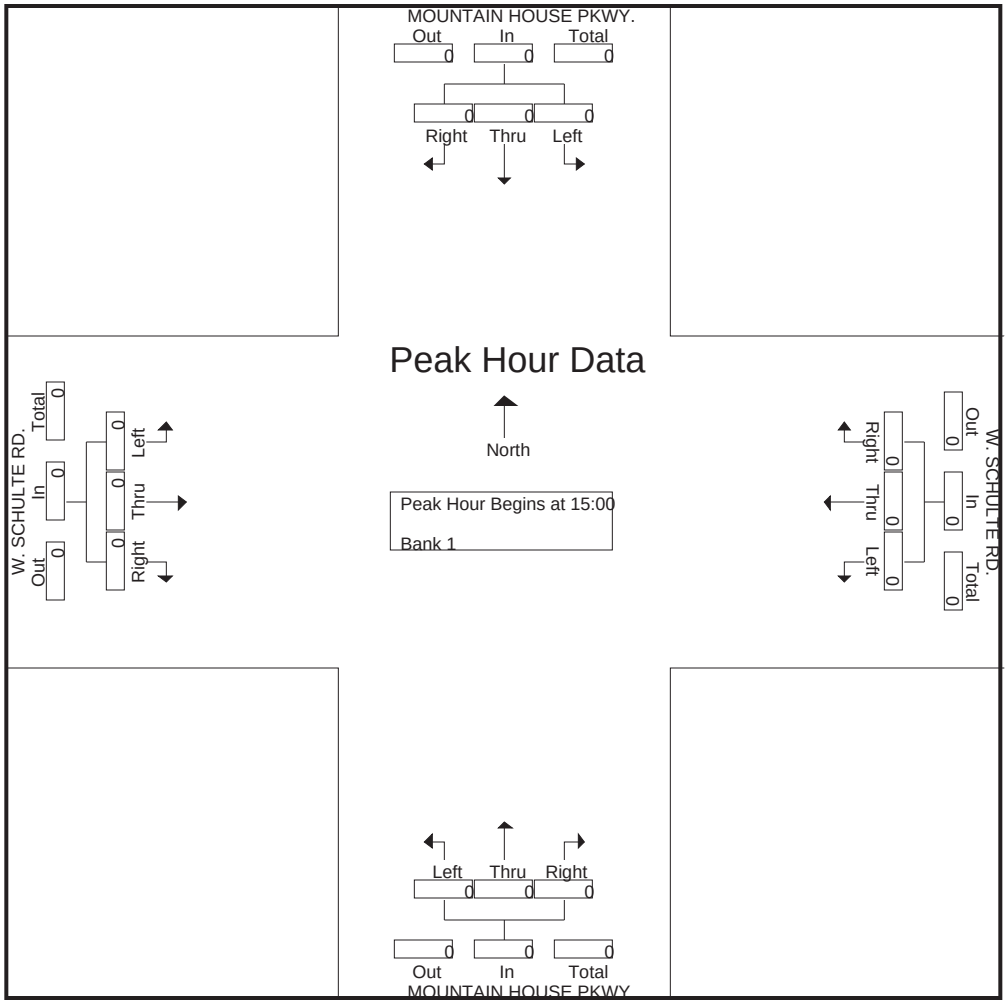
	MOUNTAIN HOUSE PKWY. Southbound				W. SCHULTE RD. Westbound				MOUNTAIN HOUSE PKWY. Northbound				W. SCHULTE RD. Eastbound				
Start Time	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Int. Total
Peak Hour Analysis From 15:00 to 17:45 - Peak 1 of 1																	
Peak Hour for Entire Intersection Begins at 15:00																	
15:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15:15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15:45	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Volume	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
% App. Total	0	0	0		0	0	0		0	0	0		0	0	0		
PHF	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

All Traffic Data

(916) 771-8700

CITY OF TRACY
BIKES ON BANK 1
TRUCKS ON BANK 2

File Name : 11-7198-003 MOUNTAIN HOUSE-SCHULTE
Site Code : 00000000
Start Date : 5/5/2011
Page No : 4



All Traffic Data

(916) 771-8700

CITY OF TRACY
BIKES ON BANK 1
TRUCKS ON BANK 2

File Name : 11-7198-003 MOUNTAIN HOUSE-SCHULTE
Site Code : 00000000
Start Date : 5/5/2011
Page No : 1

Groups Printed- Unshifted - Bank 2

	MOUNTAIN HOUSE PKWY. Southbound				W. SCHULTE RD. Westbound				MOUNTAIN HOUSE PKWY. Northbound				W. SCHULTE RD. Eastbound				
Start Time	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Int. Total
06:00	39	40	7	86	130	8	21	159	16	15	37	68	8	7	18	33	346
06:15	46	59	4	109	150	16	38	204	23	27	36	86	3	7	19	29	428
06:30	66	77	8	151	119	23	30	172	12	21	38	71	7	3	16	26	420
06:45	54	46	17	117	120	10	35	165	15	22	41	78	1	6	25	32	392
Total	205	222	36	463	519	57	124	700	66	85	152	303	19	23	78	120	1586
07:00	38	39	4	81	127	23	42	192	13	18	56	87	7	7	20	34	394
07:15	34	46	9	89	105	14	46	165	19	12	57	88	4	7	14	25	367
07:30	24	47	4	75	106	24	32	162	15	8	32	55	3	4	14	21	313
07:45	29	34	24	87	65	20	35	120	26	10	46	82	9	6	14	29	318
Total	125	166	41	332	403	81	155	639	73	48	191	312	23	24	62	109	1392
08:00	40	36	10	86	64	11	49	124	22	11	41	74	1	8	10	19	303
08:15	50	31	10	91	42	10	32	84	18	27	28	73	7	3	14	24	272
08:30	46	34	8	88	53	5	50	108	11	13	40	64	4	5	10	19	279
08:45	34	21	7	62	63	11	42	116	17	24	34	75	9	6	7	22	275
Total	170	122	35	327	222	37	173	432	68	75	143	286	21	22	41	84	1129
15:00	32	19	3	54	41	7	49	97	22	25	59	106	11	12	15	38	295
15:15	29	17	9	55	37	6	24	67	20	32	39	91	4	6	7	17	230
15:30	22	19	4	45	50	8	63	121	22	37	55	114	6	7	17	30	310
15:45	16	25	4	45	23	10	22	55	21	34	71	126	5	4	20	29	255
Total	99	80	20	199	151	31	158	340	85	128	224	437	26	29	59	114	1090
16:00	23	34	11	68	35	14	26	75	27	23	51	101	10	3	25	38	282
16:15	22	23	10	55	18	21	23	62	22	22	80	124	8	5	26	39	280
16:30	43	23	6	72	36	12	43	91	13	26	88	127	15	16	27	58	348
16:45	40	12	10	62	31	4	32	67	13	31	86	130	8	9	28	45	304
Total	128	92	37	257	120	51	124	295	75	102	305	482	41	33	106	180	1214
17:00	21	17	7	45	27	11	37	75	19	29	65	113	23	7	19	49	282
17:15	22	17	4	43	22	8	31	61	21	31	82	134	17	4	28	49	287
17:30	24	17	4	45	25	6	30	61	17	31	69	117	13	11	22	46	269
17:45	24	13	2	39	19	5	34	58	14	26	62	102	10	5	18	33	232
Total	91	64	17	172	93	30	132	255	71	117	278	466	63	27	87	177	1070

All Traffic Data

(916) 771-8700

CITY OF TRACY
BIKES ON BANK 1
TRUCKS ON BANK 2

File Name : 11-7198-003 MOUNTAIN HOUSE-SCHULTE
Site Code : 00000000
Start Date : 5/5/2011

Groups Printed- Unshifted - Bank 2

	MOUNTAIN HOUSE PKWY. Southbound				W. SCHULTE RD. Westbound				MOUNTAIN HOUSE PKWY. Northbound				W. SCHULTE RD. Eastbound				
	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Int. Total
Grand Total	818	746	186	1750	1508	287	866	2661	438	555	1293	2286	193	158	433	784	7481
Apprch %	46.7	42.6	10.6		56.7	10.8	32.5		19.2	24.3	56.6		24.6	20.2	55.2		
Total %	10.9	10	2.5	23.4	20.2	3.8	11.6	35.6	5.9	7.4	17.3	30.6	2.6	2.1	5.8	10.5	
Unshifted	597	636	139	1372	1307	238	613	2158	376	469	1053	1898	168	136	412	716	6144
% Unshifted	73	85.3	74.7	78.4	86.7	82.9	70.8	81.1	85.8	84.5	81.4	83	87	86.1	95.2	91.3	82.1
Bank 2	221	110	47	378	201	49	253	503	62	86	240	388	25	22	21	68	1337
% Bank 2	27	14.7	25.3	21.6	13.3	17.1	29.2	18.9	14.2	15.5	18.6	17	13	13.9	4.8	8.7	17.9

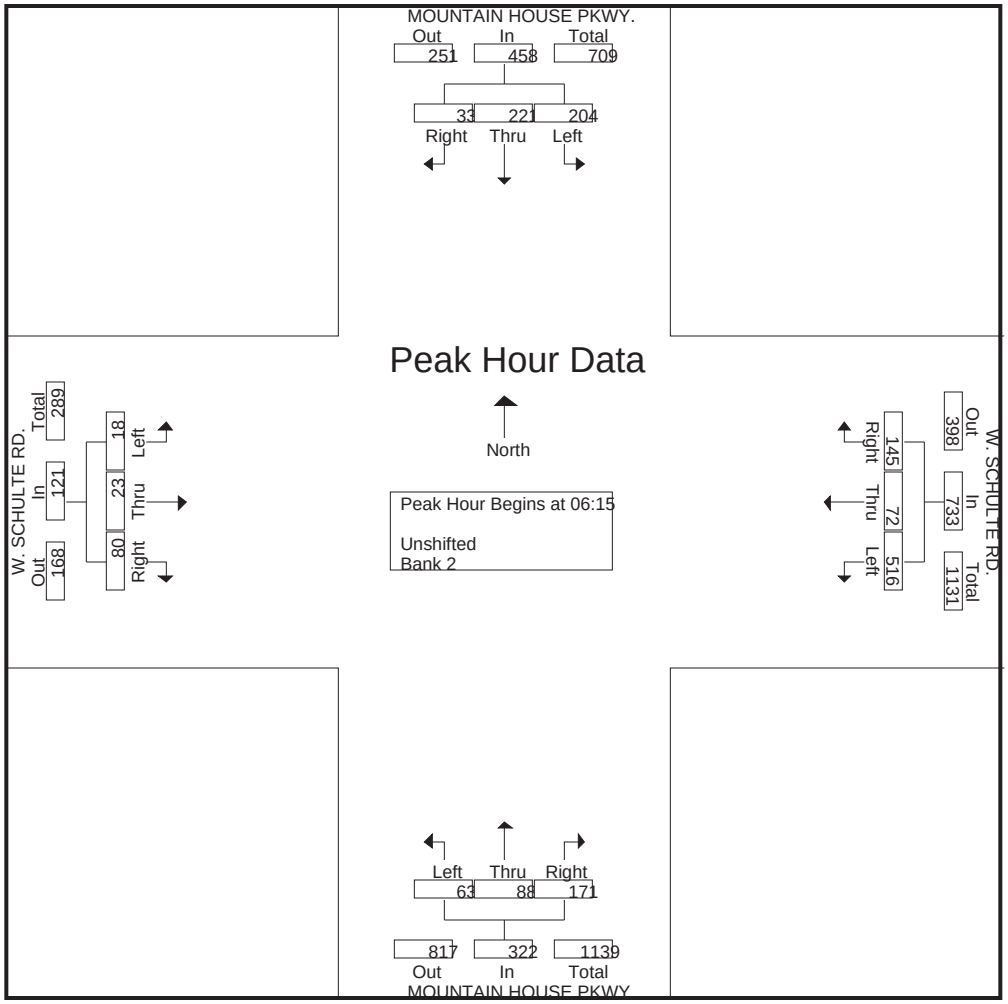
	MOUNTAIN HOUSE PKWY. Southbound				W. SCHULTE RD. Westbound				MOUNTAIN HOUSE PKWY. Northbound				W. SCHULTE RD. Eastbound				
Start Time	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Int. Total
Peak Hour Analysis From 06:00 to 08:45 - Peak 1 of 1																	
Peak Hour for Entire Intersection Begins at 06:15																	
06:15	46	59	4	109	**150**	16	38	**204**	**23**	**27**	36	86	3	**7**	19	29	**428**
06:30	**66**	**77**	8	**151**	119	**23**	30	172	12	21	38	71	**7**	3	16	26	420
06:45	54	46	**17**	117	120	10	35	165	15	22	41	78	1	6	**25**	32	392
07:00	38	39	4	81	127	23	**42**	192	13	18	**56**	**87**	7	7	20	**34**	394
Total Volume	204	221	33	458	516	72	145	733	63	88	171	322	18	23	80	121	1634
% App. Total	44.5	48.3	7.2		70.4	9.8	19.8		19.6	27.3	53.1		14.9	19	66.1		
PHF	.773	.718	.485	.758	.860	.783	.863	.898	.685	.815	.763	.925	.643	.821	.800	.890	.954

All Traffic Data

(916) 771-8700

CITY OF TRACY
BIKES ON BANK 1
TRUCKS ON BANK 2

File Name : 11-7198-003 MOUNTAIN HOUSE-SCHULTE
Site Code : 00000000
Start Date : 5/5/2011
Page No : 3



All Traffic Data

(916) 771-8700

CITY OF TRACY
BIKES ON BANK 1
TRUCKS ON BANK 2

File Name : 11-7198-003 MOUNTAIN HOUSE-SCHULTE
Site Code : 00000000
Start Date : 5/5/2011
Page No : 4

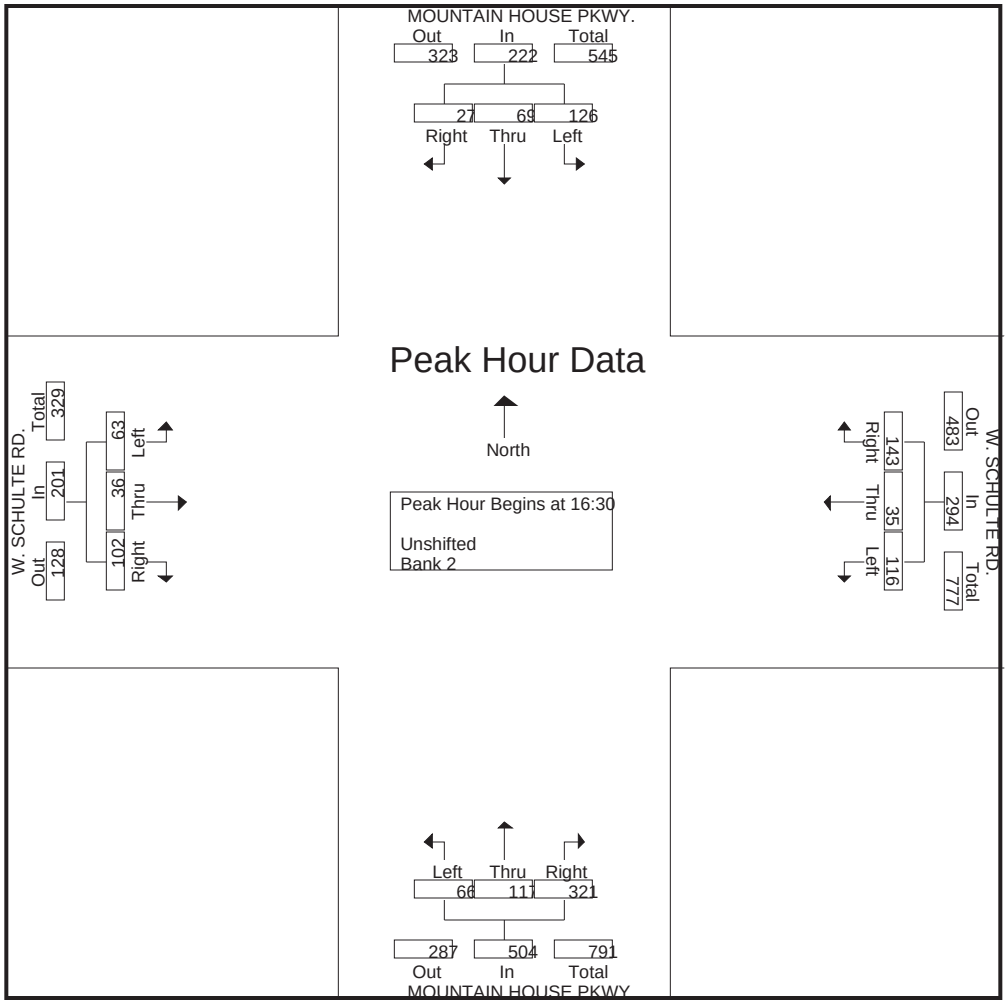
	MOUNTAIN HOUSE PKWY. Southbound				W. SCHULTE RD. Westbound				MOUNTAIN HOUSE PKWY. Northbound				W. SCHULTE RD. Eastbound				
Start Time	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Int. Total
Peak Hour Analysis From 15:00 to 17:45 - Peak 1 of 1																	
Peak Hour for Entire Intersection Begins at 16:30																	
16:30	**43**	**23**	6	**72**	**36**	**12**	**43**	**91**	13	26	**88**	127	15	**16**	27	**58**	**348**
16:45	40	12	**10**	62	31	4	32	67	13	**31**	86	130	8	9	**28**	45	304
17:00	21	17	7	45	27	11	37	75	19	29	65	113	**23**	7	19	49	282
17:15	22	17	4	43	22	8	31	61	**21**	31	82	**134**	17	4	28	49	287
Total Volume	126	69	27	222	116	35	143	294	66	117	321	504	63	36	102	201	1221
% App. Total	56.8	31.1	12.2		39.5	11.9	48.6		13.1	23.2	63.7		31.3	17.9	50.7		
PHF	.733	.750	.675	.771	.806	.729	.831	.808	.786	.944	.912	.940	.685	.563	.911	.866	.877

All Traffic Data

(916) 771-8700

CITY OF TRACY
BIKES ON BANK 1
TRUCKS ON BANK 2

File Name : 11-7198-003 MOUNTAIN HOUSE-SCHULTE
Site Code : 00000000
Start Date : 5/5/2011
Page No : 5



All Traffic Data

(916) 771-8700

CITY OF TRACY
BIKES ON BANK 1
TRUCKS ON BANK 2

File Name : 11-7198-003 MOUNTAIN HOUSE-SCHULTE
Site Code : 00000000
Start Date : 5/5/2011
Page No : 1

Groups Printed- Unshifted

	MOUNTAIN HOUSE PKWY. Southbound					W. SCHULTE RD. Westbound					MOUNTAIN HOUSE PKWY. Northbound					W. SCHULTE RD. Eastbound							
Start Time	Left	Thr	Rig	Ped	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Exclu. Total	Inclu. Total	Int. Total
06:00	26	37	5	0	68	122	7	13	0	142	10	10	28	0	48	6	4	18	0	28	0	286	286
06:15	29	52	4	0	85	138	16	32	0	186	17	18	26	0	61	2	5	19	0	26	0	358	358
06:30	47	71	6	0	124	114	18	19	0	151	11	15	26	0	52	6	3	15	0	24	0	351	351
06:45	39	41	13	0	93	109	10	19	0	138	13	17	30	0	60	1	6	25	0	32	0	323	323
Total	141	201	28	0	370	483	51	83	0	617	51	60	110	0	221	15	18	77	0	110	0	1318	1318
07:00	26	39	2	0	67	111	17	24	0	152	10	13	33	0	56	6	6	19	0	31	0	306	306
07:15	23	40	9	0	72	93	11	27	0	131	18	10	33	0	61	4	4	14	0	22	0	286	286
07:30	17	39	3	1	59	98	17	21	1	136	14	8	20	0	42	3	3	14	0	20	2	257	259
07:45	19	28	18	0	65	59	14	21	0	94	20	9	29	0	58	6	5	13	0	24	0	241	241
Total	85	146	32	1	263	361	59	93	1	513	62	40	115	0	217	19	18	60	0	97	2	1090	1092
08:00	28	27	8	0	63	50	8	27	0	85	16	7	27	0	50	1	7	9	0	17	0	215	215
08:15	33	22	7	1	62	35	8	21	0	64	15	18	19	0	52	6	2	10	0	18	1	196	197
08:30	30	26	5	0	61	43	4	31	0	78	9	10	22	0	41	3	4	10	0	17	0	197	197
08:45	23	16	6	0	45	50	10	26	0	86	14	16	21	0	51	6	5	7	0	18	0	200	200
Total	114	91	26	1	231	178	30	105	0	313	54	51	89	0	194	16	18	36	0	70	1	808	809
15:00	25	17	3	0	45	35	6	40	0	81	20	19	50	0	89	10	10	14	0	34	0	249	249
15:15	21	12	7	0	40	29	5	17	0	51	17	26	33	0	76	3	5	7	0	15	0	182	182
15:30	17	16	4	0	37	41	7	50	0	98	20	34	47	0	101	6	6	17	0	29	0	265	265
15:45	13	19	3	0	35	16	9	16	0	41	18	30	62	0	110	4	4	18	0	26	0	212	212
Total	76	64	17	0	157	121	27	123	0	271	75	109	192	0	376	23	25	56	0	104	0	908	908
16:00	18	27	7	0	52	25	11	21	0	57	25	21	49	0	95	10	2	23	0	35	0	239	239
16:15	17	20	6	0	43	13	16	17	0	46	20	22	72	0	114	8	5	24	0	37	0	240	240
16:30	42	20	4	0	66	32	11	38	0	81	12	26	83	0	121	14	15	27	0	56	0	324	324
16:45	34	11	6	0	51	24	4	25	0	53	11	28	78	0	117	7	9	26	0	42	0	263	263
Total	111	78	23	0	212	94	42	101	0	237	68	97	282	0	447	39	31	100	0	170	0	1066	1066
17:00	17	14	4	0	35	20	11	35	0	66	17	27	62	0	106	21	7	18	0	46	0	253	253
17:15	18	15	4	0	37	16	7	25	0	48	19	31	77	0	127	14	4	27	0	45	0	257	257
17:30	18	16	3	0	37	19	6	22	0	47	17	28	68	0	113	12	10	21	0	43	0	240	240
17:45	17	11	2	0	30	15	5	26	0	46	13	26	58	0	97	9	5	17	0	31	0	204	204
Total	70	56	13	0	139	70	29	108	0	207	66	112	265	0	443	56	26	83	0	165	0	954	954
Grand Total	597	636	139	2	1372	1307	238	613	1	2158	376	469	1053	0	1898	168	136	412	0	716	3	6144	6147
Apprch %	43.5	46.4	10.1			60.6	11	28.4			19.8	24.7	55.5			23.5	19	57.5					
Total %	9.7	10.4	2.3		22.3	21.3	3.9	10		35.1	6.1	7.6	17.1		30.9	2.7	2.2	6.7		11.7	0	100	

All Traffic Data

(916) 771-8700

CITY OF TRACY
BIKES ON BANK 1
TRUCKS ON BANK 2

File Name : 11-7198-003 MOUNTAIN HOUSE-SCHULTE
Site Code : 00000000
Start Date : 5/5/2011

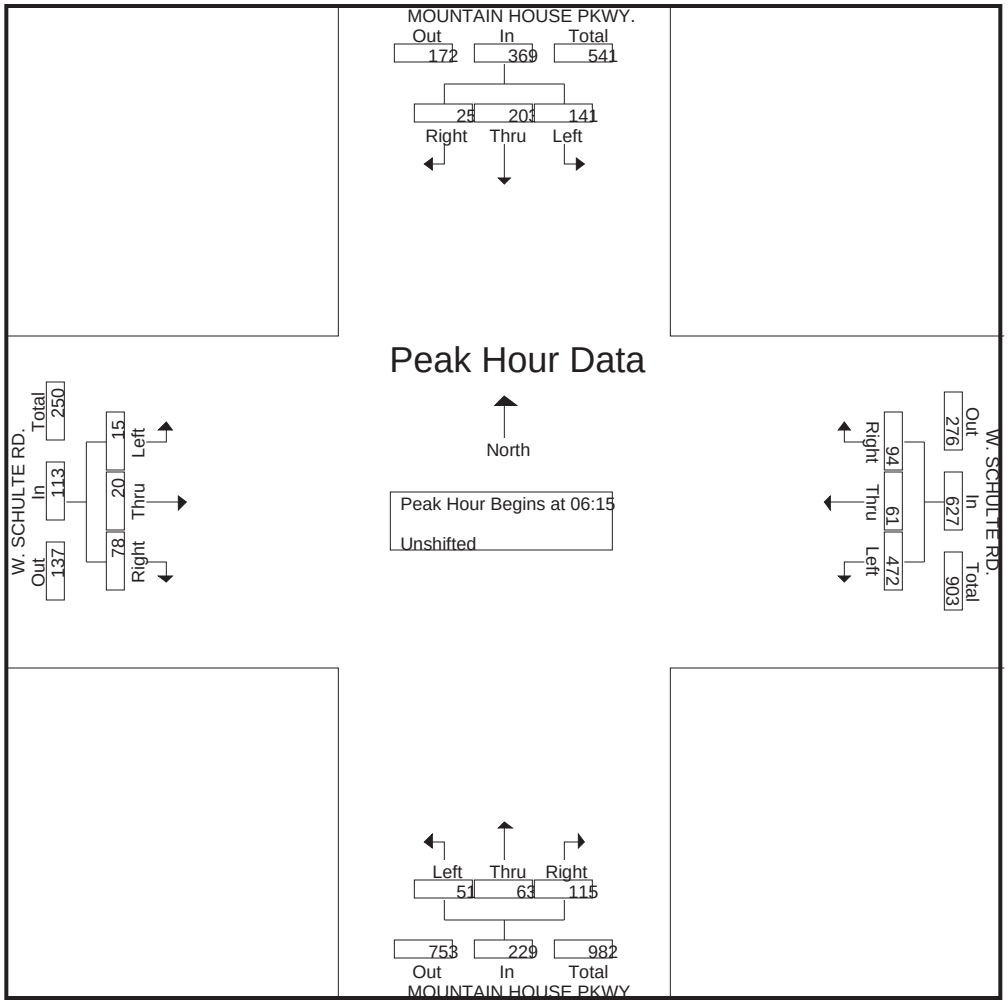
	MOUNTAIN HOUSE PKWY. Southbound				W. SCHULTE RD. Westbound				MOUNTAIN HOUSE PKWY. Northbound				W. SCHULTE RD. Eastbound				
Start Time	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Int. Total
Peak Hour Analysis From 06:00 to 08:45 - Peak 1 of 1																	
Peak Hour for Entire Intersection Begins at 06:15																	
06:15	29	52	4	85	**138**	16	**32**	**186**	**17**	**18**	26	**61**	2	5	19	26	**358**
06:30	**47**	**71**	6	**124**	114	**18**	19	151	11	15	26	52	**6**	3	15	24	351
06:45	39	41	**13**	93	109	10	19	138	13	17	30	60	1	**6**	**25**	**32**	323
07:00	26	39	2	67	111	17	24	152	10	13	**33**	56	6	6	19	31	306
Total Volume	141	203	25	369	472	61	94	627	51	63	115	229	15	20	78	113	1338
% App. Total	38.2	55	6.8		75.3	9.7	15		22.3	27.5	50.2		13.3	17.7	69		
PHF	.750	.715	.481	.744	.855	.847	.734	.843	.750	.875	.871	.939	.625	.833	.780	.883	.934

All Traffic Data

(916) 771-8700

CITY OF TRACY
BIKES ON BANK 1
TRUCKS ON BANK 2

File Name : 11-7198-003 MOUNTAIN HOUSE-SCHULTE
Site Code : 00000000
Start Date : 5/5/2011
Page No : 3



All Traffic Data

(916) 771-8700

CITY OF TRACY
BIKES ON BANK 1
TRUCKS ON BANK 2

File Name : 11-7198-003 MOUNTAIN HOUSE-SCHULTE
Site Code : 00000000
Start Date : 5/5/2011
Page No : 4

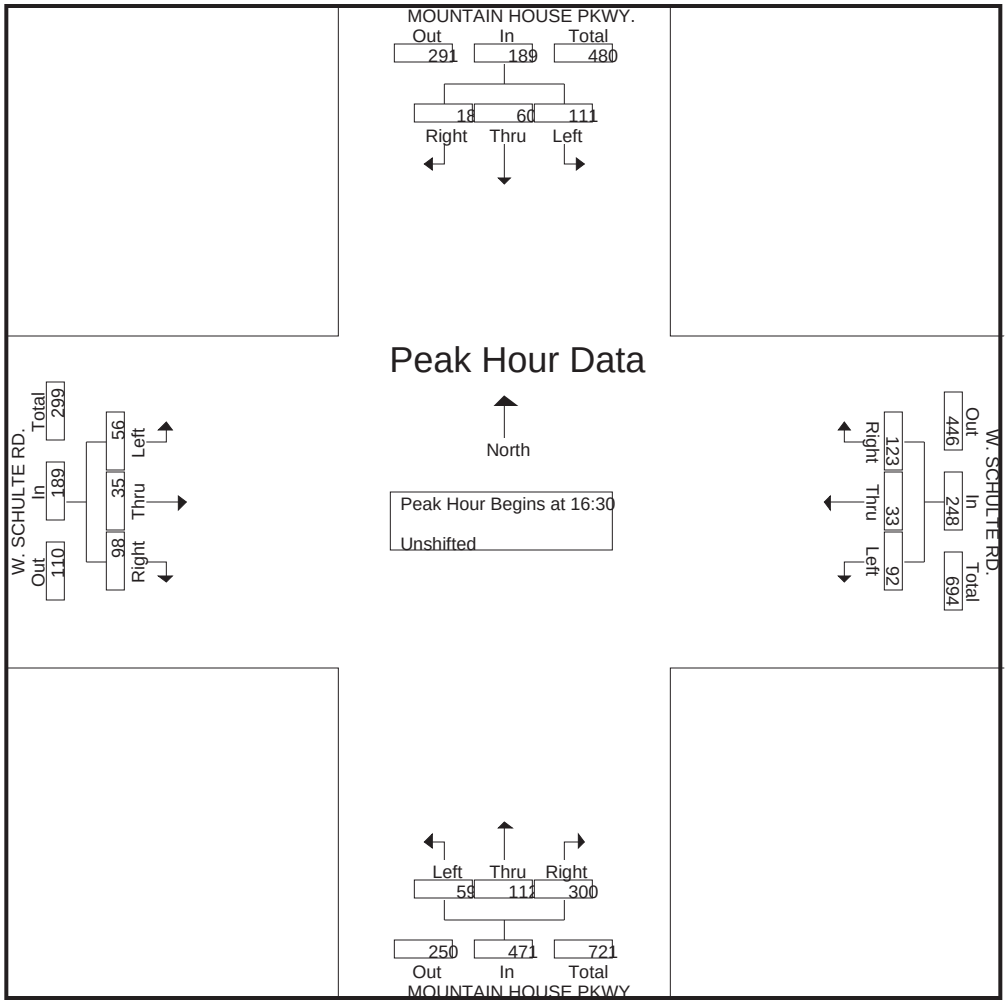
	MOUNTAIN HOUSE PKWY. Southbound				W. SCHULTE RD. Westbound				MOUNTAIN HOUSE PKWY. Northbound				W. SCHULTE RD. Eastbound				
Start Time	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Int. Total
Peak Hour Analysis From 15:00 to 17:45 - Peak 1 of 1																	
Peak Hour for Entire Intersection Begins at 16:30																	
16:30	**42**	**20**	4	**66**	**32**	**11**	**38**	**81**	12	26	**83**	121	14	**15**	**27**	**56**	**324**
16:45	34	11	**6**	51	24	4	25	53	11	28	78	117	7	9	26	42	263
17:00	17	14	4	35	20	11	35	66	17	27	62	106	**21**	7	18	46	253
17:15	18	15	4	37	16	7	25	48	**19**	**31**	77	**127**	14	4	27	45	257
Total Volume	111	60	18	189	92	33	123	248	59	112	300	471	56	35	98	189	1097
% App. Total	58.7	31.7	9.5		37.1	13.3	49.6		12.5	23.8	63.7		29.6	18.5	51.9		
PHF	.661	.750	.750	.716	.719	.750	.809	.765	.776	.903	.904	.927	.667	.583	.907	.844	.846

All Traffic Data

(916) 771-8700

CITY OF TRACY
BIKES ON BANK 1
TRUCKS ON BANK 2

File Name : 11-7198-003 MOUNTAIN HOUSE-SCHULTE
Site Code : 00000000
Start Date : 5/5/2011
Page No : 5



All Traffic Data

(916) 771-8700

CITY OF TRACY
BIKES ON BANK 1
TRUCKS ON BANK 2

File Name : 11-7198-002 MOUNTAIN HOUSE-I 280 EB
Site Code : 00000000
Start Date : 5/5/2011
Page No : 1

Groups Printed- Bank 2

	MOUNTAIN HOUSE PKWY. Southbound				I-280 EB RAMPS Westbound				MOUNTAIN HOUSE PKWY. Northbound				I-280 EB RAMPS Eastbound				
Start Time	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Int. Total
06:00	0	13	0	13	0	0	0	0	0	6	10	16	0	0	0	0	29
06:15	0	20	0	20	0	0	0	0	0	10	8	18	0	0	1	1	39
06:30	0	16	1	17	0	0	0	0	0	6	12	18	0	0	1	1	36
06:45	0	13	1	14	0	0	0	0	0	3	20	23	1	0	1	2	39
Total	0	62	2	64	0	0	0	0	0	25	50	75	1	0	3	4	143
07:00	0	12	0	12	0	0	0	0	0	2	24	26	0	0	0	0	38
07:15	0	13	2	15	0	0	0	0	0	3	14	17	0	0	0	0	32
07:30	0	10	0	10	0	0	0	0	0	3	12	15	0	0	1	1	26
07:45	0	14	0	14	0	0	0	0	0	1	16	17	0	0	0	0	31
Total	0	49	2	51	0	0	0	0	0	9	66	75	0	0	1	1	127
08:00	0	11	0	11	0	0	0	0	0	2	22	24	0	0	0	0	35
08:15	0	20	0	20	0	0	0	0	0	7	14	21	0	0	1	1	42
08:30	0	21	1	22	0	0	0	0	0	7	18	25	0	0	0	0	47
08:45	0	18	0	18	0	0	0	0	0	6	21	27	0	0	0	0	45
Total	0	70	1	71	0	0	0	0	0	22	75	97	0	0	1	1	169
15:00	0	6	0	6	0	0	0	0	0	4	13	17	1	0	2	3	26
15:15	0	9	0	9	0	0	0	0	0	3	10	13	2	0	1	3	25
15:30	0	2	1	3	0	0	0	0	0	3	11	14	0	0	1	1	18
15:45	0	10	1	11	0	0	0	0	0	1	13	14	1	0	2	3	28
Total	0	27	2	29	0	0	0	0	0	11	47	58	4	0	6	10	97
16:00	0	9	0	9	0	0	0	0	0	2	4	6	0	0	1	1	16
16:15	0	12	1	13	0	0	0	0	0	1	6	7	0	0	0	0	20
16:30	0	7	0	7	0	0	0	0	0	2	10	12	0	0	1	1	20
16:45	0	7	0	7	0	0	0	0	0	3	7	10	0	0	0	0	17
Total	0	35	1	36	0	0	0	0	0	8	27	35	0	0	2	2	73
17:00	0	5	0	5	0	0	0	0	0	0	7	7	0	0	0	0	12
17:15	0	5	0	5	0	0	0	0	0	1	10	11	1	0	1	2	18
17:30	0	5	0	5	0	0	0	0	0	1	9	10	0	0	0	0	15
17:45	0	6	0	6	0	0	0	0	0	3	6	9	0	0	3	3	18
Total	0	21	0	21	0	0	0	0	0	5	32	37	1	0	4	5	63

All Traffic Data

(916) 771-8700

CITY OF TRACY
BIKES ON BANK 1
TRUCKS ON BANK 2

File Name : 11-7198-002 MOUNTAIN HOUSE-I 280 EB
Site Code : 00000000
Start Date : 5/5/2011
Page No : 2

Groups Printed- Bank 2

	MOUNTAIN HOUSE PKWY. Southbound				I-280 EB RAMPS Westbound				MOUNTAIN HOUSE PKWY. Northbound				I-280 EB RAMPS Eastbound				
	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Int. Total
Grand Total	0	264	8	272	0	0	0	0	0	80	297	377	6	0	17	23	672
Apprch %	0	97.1	2.9		0	0	0		0	21.2	78.8		26.1	0	73.9		
Total %	0	39.3	1.2	40.5	0	0	0	0	0	11.9	44.2	56.1	0.9	0	2.5	3.4	

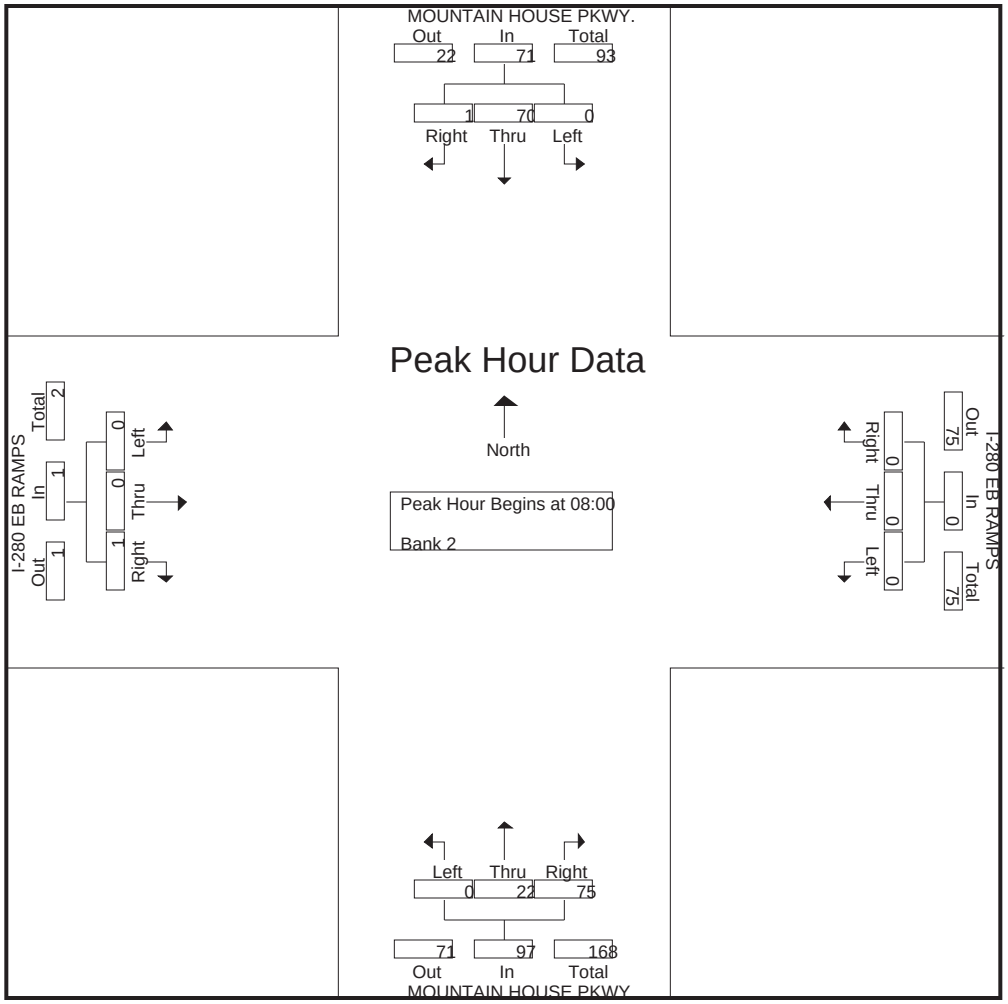
	MOUNTAIN HOUSE PKWY. Southbound				I-280 EB RAMPS Westbound				MOUNTAIN HOUSE PKWY. Northbound				I-280 EB RAMPS Eastbound				
Start Time	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Int. Total
Peak Hour Analysis From 06:00 to 08:45 - Peak 1 of 1																	
Peak Hour for Entire Intersection Begins at 08:00																	
08:00	0	11	0	11	0	0	0	0	0	2	**22**	24	0	0	0	0	35
08:15	0	20	0	20	0	0	0	0	0	**7**	14	21	0	0	**1**	**1**	42
08:30	0	**21**	**1**	**22**	0	0	0	0	0	7	18	25	0	0	0	0	**47**
08:45	0	18	0	18	0	0	0	0	0	6	21	**27**	0	0	0	0	45
Total Volume	0	70	1	71	0	0	0	0	0	22	75	97	0	0	1	1	169
% App. Total	0	98.6	1.4		0	0	0		0	22.7	77.3		0	0	100		
PHF	.000	.833	.250	.807	.000	.000	.000	.000	.000	.786	.852	.898	.000	.000	.250	.250	.899

All Traffic Data

(916) 771-8700

CITY OF TRACY
BIKES ON BANK 1
TRUCKS ON BANK 2

File Name : 11-7198-002 MOUNTAIN HOUSE-I 280 EB
Site Code : 00000000
Start Date : 5/5/2011
Page No : 3



All Traffic Data

(916) 771-8700

CITY OF TRACY
BIKES ON BANK 1
TRUCKS ON BANK 2

File Name : 11-7198-002 MOUNTAIN HOUSE-I 280 EB
Site Code : 00000000
Start Date : 5/5/2011
Page No : 4

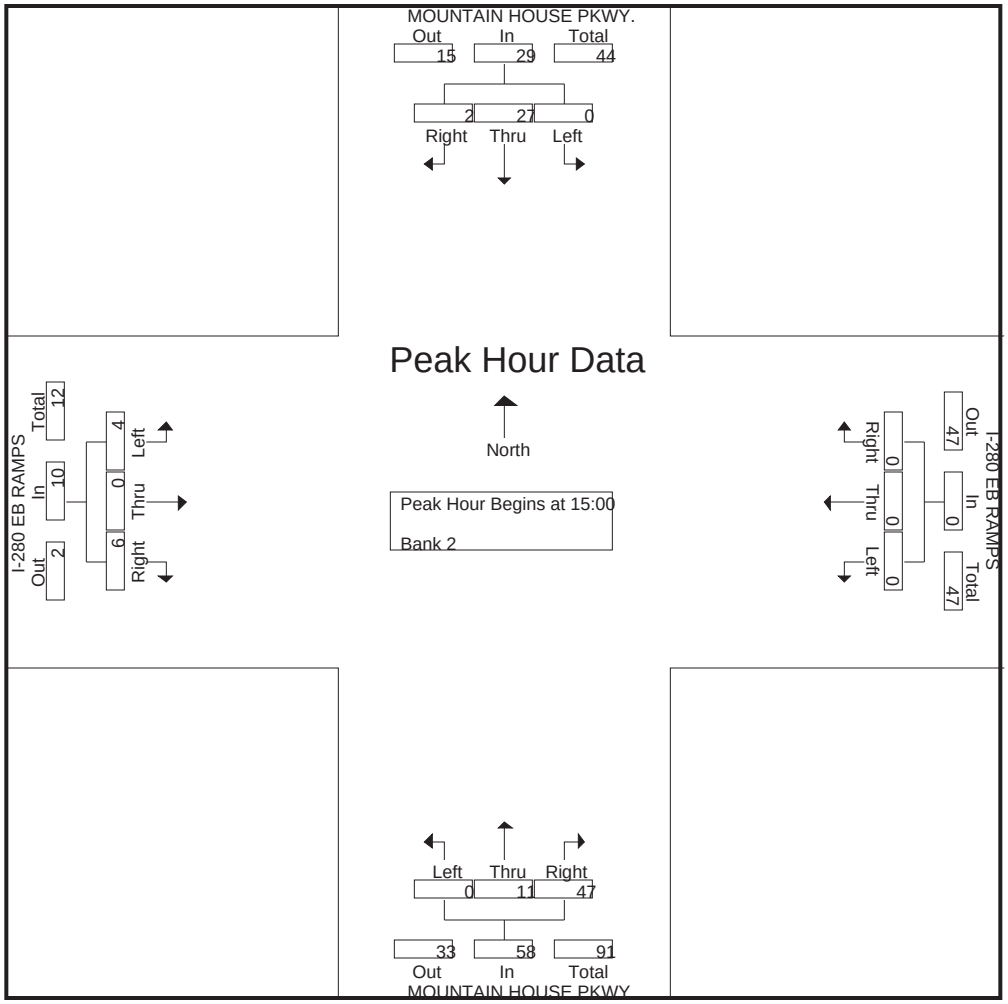
	MOUNTAIN HOUSE PKWY. Southbound				I-280 EB RAMPS Westbound				MOUNTAIN HOUSE PKWY. Northbound				I-280 EB RAMPS Eastbound				
Start Time	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Int. Total
Peak Hour Analysis From 15:00 to 17:45 - Peak 1 of 1																	
Peak Hour for Entire Intersection Begins at 15:00																	
15:00	0	6	0	6	0	0	0	0	0	**4**	**13**	**17**	1	0	**2**	**3**	26
15:15	0	9	0	9	0	0	0	0	0	3	10	13	**2**	0	1	3	25
15:30	0	2	**1**	3	0	0	0	0	0	3	11	14	0	0	1	1	18
15:45	0	**10**	1	**11**	0	0	0	0	0	1	13	14	1	0	2	3	**28**
Total Volume	0	27	2	29	0	0	0	0	0	11	47	58	4	0	6	10	97
% App. Total	0	93.1	6.9		0	0	0		0	19	81		40	0	60		
PHF	.000	.675	.500	.659	.000	.000	.000	.000	.000	.688	.904	.853	.500	.000	.750	.833	.866

All Traffic Data

(916) 771-8700

CITY OF TRACY
BIKES ON BANK 1
TRUCKS ON BANK 2

File Name : 11-7198-002 MOUNTAIN HOUSE-I 280 EB
Site Code : 00000000
Start Date : 5/5/2011
Page No : 5



All Traffic Data

(916) 771-8700

CITY OF TRACY
BIKES ON BANK 1
TRUCKS ON BANK 2

File Name : 11-7198-002 MOUNTAIN HOUSE-I 280 EB
Site Code : 00000000
Start Date : 5/5/2011
Page No : 1

Groups Printed- Bank 1

	MOUNTAIN HOUSE PKWY. Southbound				I-280 EB RAMPS Westbound				MOUNTAIN HOUSE PKWY. Northbound				I-280 EB RAMPS Eastbound				
Start Time	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Int. Total
06:30	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1
Total	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1
08:45	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	1
Total	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	1
17:15	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	1
Total	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	1
Grand Total	0	1	0	1	0	0	0	0	0	2	0	2	0	0	0	0	3
Apprch %	0	100	0		0	0	0		0	100	0		0	0	0		
Total %	0	33.3	0	33.3	0	0	0	0	0	66.7	0	66.7	0	0	0	0	

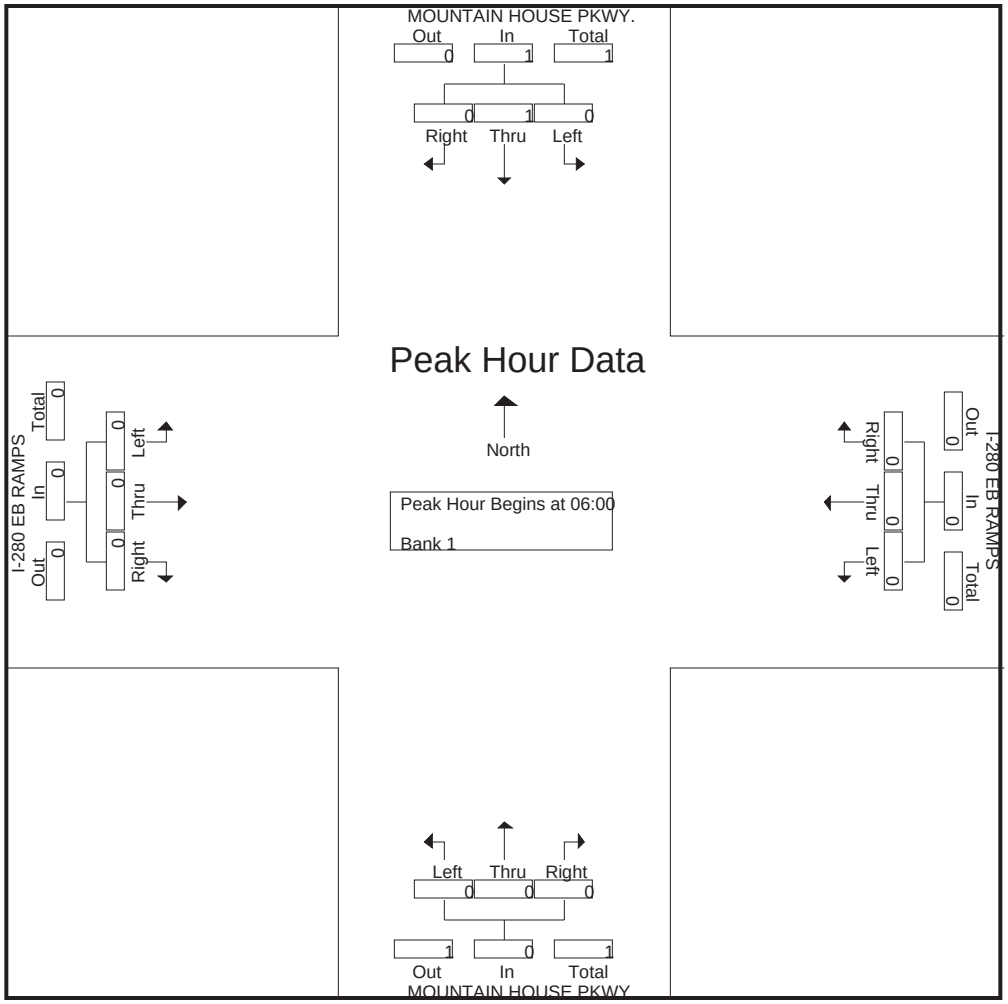
	MOUNTAIN HOUSE PKWY. Southbound				I-280 EB RAMPS Westbound				MOUNTAIN HOUSE PKWY. Northbound				I-280 EB RAMPS Eastbound				
Start Time	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Int. Total
Peak Hour Analysis From 06:00 to 08:45 - Peak 1 of 1																	
Peak Hour for Entire Intersection Begins at 06:00																	
06:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
06:15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
06:30	0	**1**	0	**1**	0	0	0	0	0	0	0	0	0	0	0	0	**1**
06:45	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Volume	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1
% App. Total	0	100	0		0	0	0		0	0	0		0	0	0		
PHF	.000	.250	.000	.250	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.250

All Traffic Data

(916) 771-8700

CITY OF TRACY
BIKES ON BANK 1
TRUCKS ON BANK 2

File Name : 11-7198-002 MOUNTAIN HOUSE-I 280 EB
Site Code : 00000000
Start Date : 5/5/2011
Page No : 2



All Traffic Data

(916) 771-8700

CITY OF TRACY
BIKES ON BANK 1
TRUCKS ON BANK 2

File Name : 11-7198-002 MOUNTAIN HOUSE-I 280 EB
Site Code : 00000000
Start Date : 5/5/2011
Page No : 3

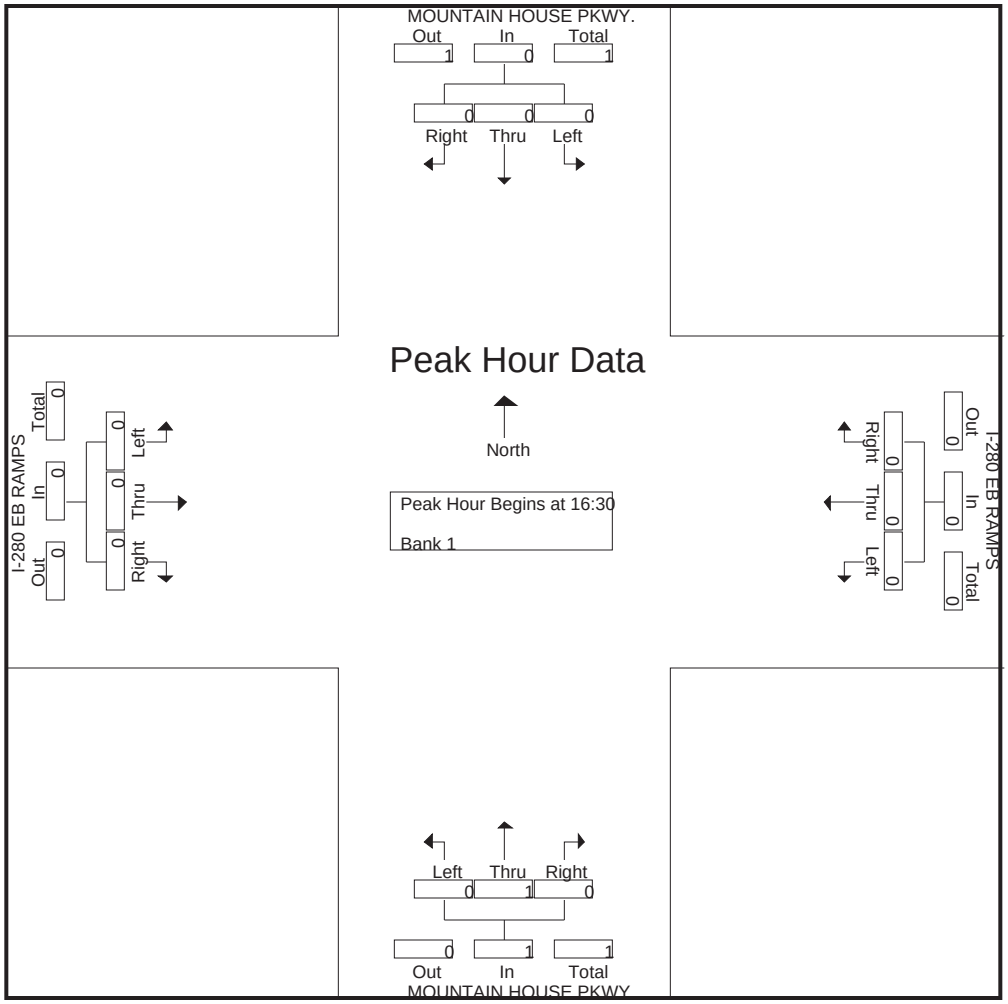
	MOUNTAIN HOUSE PKWY. Southbound				I-280 EB RAMPS Westbound				MOUNTAIN HOUSE PKWY. Northbound				I-280 EB RAMPS Eastbound				
Start Time	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Int. Total
Peak Hour Analysis From 15:00 to 17:45 - Peak 1 of 1																	
Peak Hour for Entire Intersection Begins at 16:30																	
16:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16:45	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17:15	0	0	0	0	0	0	0	0	0	**1**	0	**1**	0	0	0	0	**1**
Total Volume	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	1
% App. Total	0	0	0		0	0	0		0	100	0		0	0	0		
PHF	.000	.000	.000	.000	.000	.000	.000	.000	.000	.250	.000	.250	.000	.000	.000	.000	.250

All Traffic Data

(916) 771-8700

CITY OF TRACY
BIKES ON BANK 1
TRUCKS ON BANK 2

File Name : 11-7198-002 MOUNTAIN HOUSE-I 280 EB
Site Code : 00000000
Start Date : 5/5/2011
Page No : 4



All Traffic Data

(916) 771-8700

CITY OF TRACY
BIKES ON BANK 1
TRUCKS ON BANK 2

File Name : 11-7198-002 MOUNTAIN HOUSE-I 280 EB
Site Code : 00000000
Start Date : 5/5/2011

Groups Printed- Unshifted - Bank 2

	MOUNTAIN HOUSE PKWY. Southbound				I-280 EB RAMPS Westbound				MOUNTAIN HOUSE PKWY. Northbound				I-280 EB RAMPS Eastbound				
Start Time	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Int. Total
06:00	0	91	11	102	0	0	0	0	0	17	28	45	6	1	0	7	154
06:15	0	124	12	136	0	0	0	0	0	27	44	71	5	0	6	11	218
06:30	0	132	21	153	0	0	0	0	0	23	34	57	14	0	3	17	227
06:45	0	99	28	127	0	0	0	0	0	12	52	64	10	0	5	15	206
Total	0	446	72	518	0	0	0	0	0	79	158	237	35	1	14	50	805
07:00	0	91	41	132	0	0	0	0	0	20	55	75	8	1	3	12	219
07:15	0	95	50	145	0	0	0	0	0	17	43	60	7	0	5	12	217
07:30	0	85	58	143	0	0	0	0	0	20	34	54	12	0	2	14	211
07:45	0	111	84	195	0	0	0	0	0	13	41	54	19	0	3	22	271
Total	0	382	233	615	0	0	0	0	0	70	173	243	46	1	13	60	918
08:00	0	116	67	183	0	0	0	0	0	11	53	64	13	0	4	17	264
08:15	0	96	63	159	0	0	0	0	0	27	42	69	16	0	6	22	250
08:30	0	88	64	152	0	0	0	0	0	21	47	68	15	0	4	19	239
08:45	0	66	37	103	0	0	0	0	0	26	51	77	5	0	0	5	185
Total	0	366	231	597	0	0	0	0	0	85	193	278	49	0	14	63	938
15:00	0	50	56	106	0	0	0	0	0	22	87	109	51	0	18	69	284
15:15	0	52	60	112	0	0	0	0	0	18	52	70	28	0	4	32	214
15:30	0	54	59	113	0	0	0	0	0	30	91	121	46	0	9	55	289
15:45	0	56	63	119	0	0	0	0	0	21	52	73	49	0	11	60	252
Total	0	212	238	450	0	0	0	0	0	91	282	373	174	0	42	216	1039
16:00	0	73	38	111	0	0	0	0	0	13	50	63	44	1	9	54	228
16:15	0	95	42	137	0	0	0	0	0	25	55	80	52	1	8	61	278
16:30	0	78	73	151	0	0	0	0	0	14	112	126	60	0	3	63	340
16:45	0	61	37	98	0	0	0	0	0	23	81	104	70	3	9	82	284
Total	0	307	190	497	0	0	0	0	0	75	298	373	226	5	29	260	1130
17:00	0	35	55	90	0	0	0	0	0	23	99	122	77	2	9	88	300
17:15	0	41	45	86	0	0	0	0	0	26	77	103	58	0	7	65	254
17:30	0	42	42	84	0	0	0	0	0	29	63	92	61	1	2	64	240
17:45	0	36	55	91	0	0	0	0	0	24	58	82	84	0	10	94	267
Total	0	154	197	351	0	0	0	0	0	102	297	399	280	3	28	311	1061

All Traffic Data

(916) 771-8700

CITY OF TRACY
BIKES ON BANK 1
TRUCKS ON BANK 2

File Name : 11-7198-002 MOUNTAIN HOUSE-I 280 EB
Site Code : 00000000
Start Date : 5/5/2011
Page No : 2

Groups Printed- Unshifted - Bank 2

	MOUNTAIN HOUSE PKWY. Southbound				I-280 EB RAMPS Westbound				MOUNTAIN HOUSE PKWY. Northbound				I-280 EB RAMPS Eastbound				
	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Int. Total
Grand Total	0	1867	1161	3028	0	0	0	0	0	502	1401	1903	810	10	140	960	5891
Apprch %	0	61.7	38.3		0	0	0		0	26.4	73.6		84.4	1	14.6		
Total %	0	31.7	19.7	51.4	0	0	0	0	0	8.5	23.8	32.3	13.7	0.2	2.4	16.3	
Unshifted	0	1603	1153	2756	0	0	0	0	0	422	1104	1526	804	10	123	937	5219
% Unshifted	0	85.9	99.3	91	0	0	0	0	0	84.1	78.8	80.2	99.3	100	87.9	97.6	88.6
Bank 2	0	264	8	272	0	0	0	0	0	80	297	377	6	0	17	23	672
% Bank 2	0	14.1	0.7	9	0	0	0	0	0	15.9	21.2	19.8	0.7	0	12.1	2.4	11.4

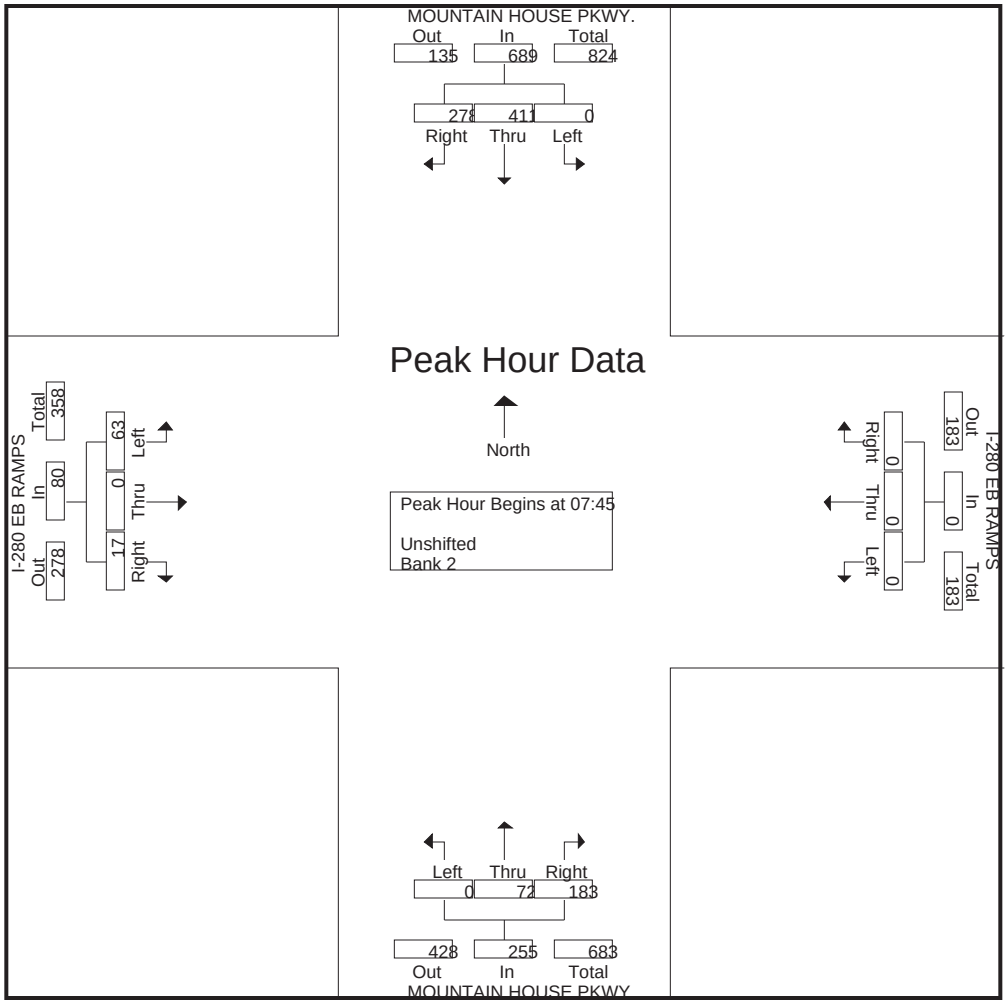
	MOUNTAIN HOUSE PKWY. Southbound				I-280 EB RAMPS Westbound				MOUNTAIN HOUSE PKWY. Northbound				I-280 EB RAMPS Eastbound				
Start Time	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Int. Total
Peak Hour Analysis From 06:00 to 08:45 - Peak 1 of 1																	
Peak Hour for Entire Intersection Begins at 07:45																	
07:45	0	111	**84**	**195**	0	0	0	0	0	13	41	54	**19**	0	3	**22**	**271**
08:00	0	**116**	67	183	0	0	0	0	0	11	**53**	64	13	0	4	17	264
08:15	0	96	63	159	0	0	0	0	0	**27**	42	**69**	16	0	**6**	22	250
08:30	0	88	64	152	0	0	0	0	0	21	47	68	15	0	4	19	239
Total Volume	0	411	278	689	0	0	0	0	0	72	183	255	63	0	17	80	1024
% App. Total	0	59.7	40.3		0	0	0		0	28.2	71.8		78.8	0	21.2		
PHF	.000	.886	.827	.883	.000	.000	.000	.000	.000	.667	.863	.924	.829	.000	.708	.909	.945

All Traffic Data

(916) 771-8700

CITY OF TRACY
BIKES ON BANK 1
TRUCKS ON BANK 2

File Name : 11-7198-002 MOUNTAIN HOUSE-I 280 EB
Site Code : 00000000
Start Date : 5/5/2011
Page No : 3



All Traffic Data

(916) 771-8700

CITY OF TRACY
BIKES ON BANK 1
TRUCKS ON BANK 2

File Name : 11-7198-002 MOUNTAIN HOUSE-I 280 EB
Site Code : 00000000
Start Date : 5/5/2011
Page No : 4

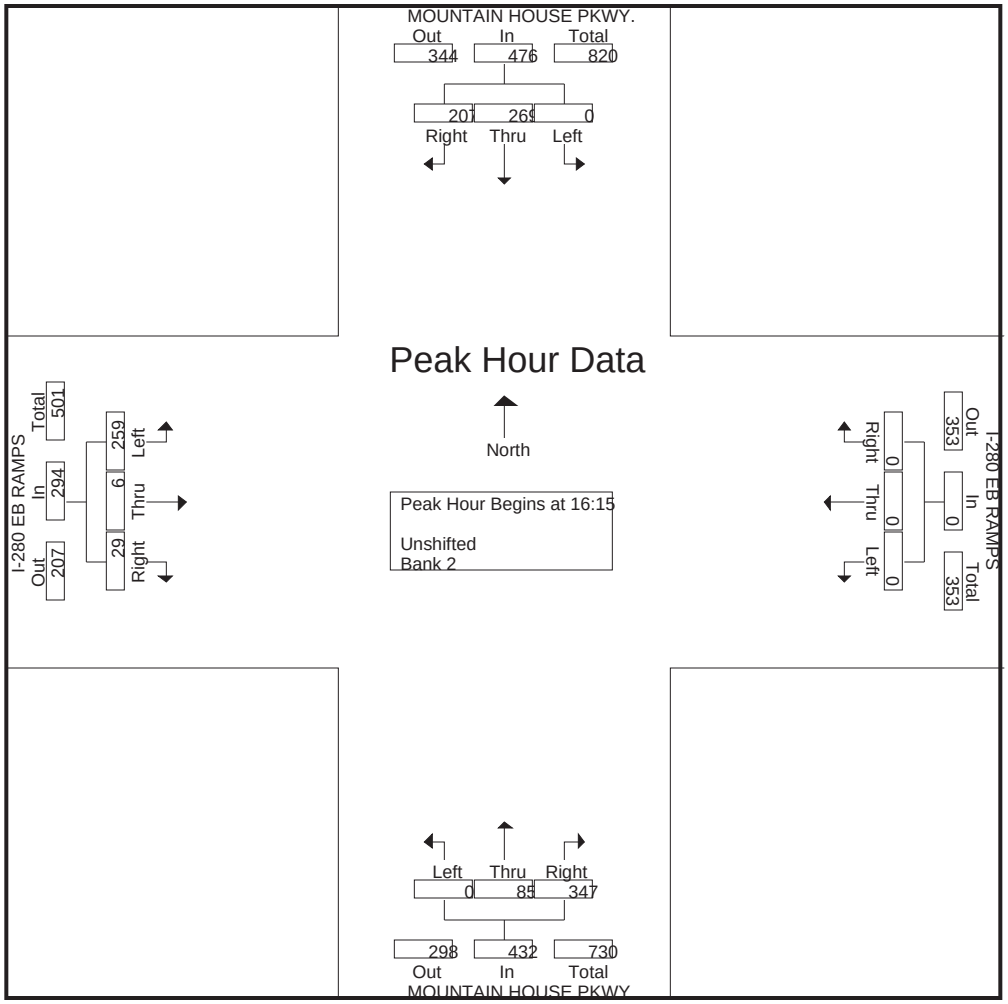
	MOUNTAIN HOUSE PKWY. Southbound				I-280 EB RAMPS Westbound				MOUNTAIN HOUSE PKWY. Northbound				I-280 EB RAMPS Eastbound				
Start Time	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Int. Total
Peak Hour Analysis From 15:00 to 17:45 - Peak 1 of 1																	
Peak Hour for Entire Intersection Begins at 16:15																	
16:15	0	**95**	42	137	0	0	0	0	0	**25**	55	80	52	1	8	61	278
16:30	0	78	**73**	**151**	0	0	0	0	0	14	**112**	**126**	60	0	3	63	**340**
16:45	0	61	37	98	0	0	0	0	0	23	81	104	70	**3**	**9**	82	284
17:00	0	35	55	90	0	0	0	0	0	23	99	122	**77**	2	9	**88**	300
Total Volume	0	269	207	476	0	0	0	0	0	85	347	432	259	6	29	294	1202
% App. Total	0	56.5	43.5		0	0	0		0	19.7	80.3		88.1	2	9.9		
PHF	.000	.708	.709	.788	.000	.000	.000	.000	.000	.850	.775	.857	.841	.500	.806	.835	.884

All Traffic Data

(916) 771-8700

CITY OF TRACY
BIKES ON BANK 1
TRUCKS ON BANK 2

File Name : 11-7198-002 MOUNTAIN HOUSE-I 280 EB
Site Code : 00000000
Start Date : 5/5/2011
Page No : 5



All Traffic Data

(916) 771-8700

CITY OF TRACY
BIKES ON BANK 1
TRUCKS ON BANK 2

File Name : 11-7198-002 MOUNTAIN HOUSE-I 280 EB
Site Code : 00000000
Start Date : 5/5/2011
Page No : 1

Groups Printed- Unshifted

	MOUNTAIN HOUSE PKWY. Southbound					I-280 EB RAMPS Westbound					MOUNTAIN HOUSE PKWY. Northbound					I-280 EB RAMPS Eastbound							
Start Time	Left	Thr	Rig	Ped	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Exclu. Total	Inclu. Total	Int. Total
06:00	0	78	11	0	89	0	0	0	0	0	0	11	18	0	29	6	1	0	0	7	0	125	125
06:15	0	104	12	0	116	0	0	0	0	0	0	17	36	0	53	5	0	5	0	10	0	179	179
06:30	0	116	20	0	136	0	0	0	0	0	0	17	22	0	39	14	0	2	0	16	0	191	191
06:45	0	86	27	0	113	0	0	0	0	0	0	9	32	0	41	9	0	4	0	13	0	167	167
Total	0	384	70	0	454	0	0	0	0	0	0	54	108	0	162	34	1	11	0	46	0	662	662
07:00	0	79	41	0	120	0	0	0	0	0	0	18	31	0	49	8	1	3	0	12	0	181	181
07:15	0	82	48	0	130	0	0	0	0	0	0	14	29	0	43	7	0	5	0	12	0	185	185
07:30	0	75	58	0	133	0	0	0	0	0	0	17	22	0	39	12	0	1	0	13	0	185	185
07:45	0	97	84	0	181	0	0	0	0	0	0	12	25	0	37	19	0	3	0	22	0	240	240
Total	0	333	231	0	564	0	0	0	0	0	0	61	107	0	168	46	1	12	0	59	0	791	791
08:00	0	105	67	0	172	0	0	0	0	0	0	9	31	0	40	13	0	4	0	17	0	229	229
08:15	0	76	63	0	139	0	0	0	0	0	0	20	28	0	48	16	0	5	0	21	0	208	208
08:30	0	67	63	0	130	0	0	0	0	0	0	14	29	0	43	15	0	4	0	19	0	192	192
08:45	0	48	37	0	85	0	0	0	0	0	0	20	30	0	50	5	0	0	0	5	0	140	140
Total	0	296	230	0	526	0	0	0	0	0	0	63	118	0	181	49	0	13	0	62	0	769	769
15:00	0	44	56	0	100	0	0	0	0	0	0	18	74	0	92	50	0	16	0	66	0	258	258
15:15	0	43	60	0	103	0	0	0	0	0	0	15	42	0	57	26	0	3	0	29	0	189	189
15:30	0	52	58	0	110	0	0	0	0	0	0	27	80	0	107	46	0	8	0	54	0	271	271
15:45	0	46	62	0	108	0	0	0	0	0	0	20	39	0	59	48	0	9	0	57	0	224	224
Total	0	185	236	0	421	0	0	0	0	0	0	80	235	0	315	170	0	36	0	206	0	942	942
16:00	0	64	38	0	102	0	0	0	0	0	0	11	46	0	57	44	1	8	0	53	0	212	212
16:15	0	83	41	0	124	0	0	0	0	0	0	24	49	0	73	52	1	8	0	61	0	258	258
16:30	0	71	73	0	144	0	0	0	0	0	0	12	102	0	114	60	0	2	0	62	0	320	320
16:45	0	54	37	0	91	0	0	0	0	0	0	20	74	0	94	70	3	9	0	82	0	267	267
Total	0	272	189	0	461	0	0	0	0	0	0	67	271	0	338	226	5	27	0	258	0	1057	1057
17:00	0	30	55	0	85	0	0	0	0	0	0	23	92	0	115	77	2	9	0	88	0	288	288
17:15	0	36	45	0	81	0	0	0	0	0	0	25	67	0	92	57	0	6	0	63	0	236	236
17:30	0	37	42	0	79	0	0	0	0	0	0	28	54	0	82	61	1	2	0	64	0	225	225
17:45	0	30	55	0	85	0	0	0	0	0	0	21	52	0	73	84	0	7	0	91	0	249	249
Total	0	133	197	0	330	0	0	0	0	0	0	97	265	0	362	279	3	24	0	306	0	998	998
Grand Total	0	1603	1153	0	2756	0	0	0	0	0	0	422	1104	0	1526	804	10	123	0	937	0	5219	5219
Apprch %	0	58.2	41.8			0	0	0			0	27.7	72.3			85.8	1.1	13.1					
Total %	0	30.7	22.1		52.8	0	0	0		0	0	8.1	21.2		29.2	15.4	0.2	2.4		18	0	100	

All Traffic Data

(916) 771-8700

CITY OF TRACY
BIKES ON BANK 1
TRUCKS ON BANK 2

File Name : 11-7198-002 MOUNTAIN HOUSE-I 280 EB
Site Code : 00000000
Start Date : 5/5/2011
Page No : 2

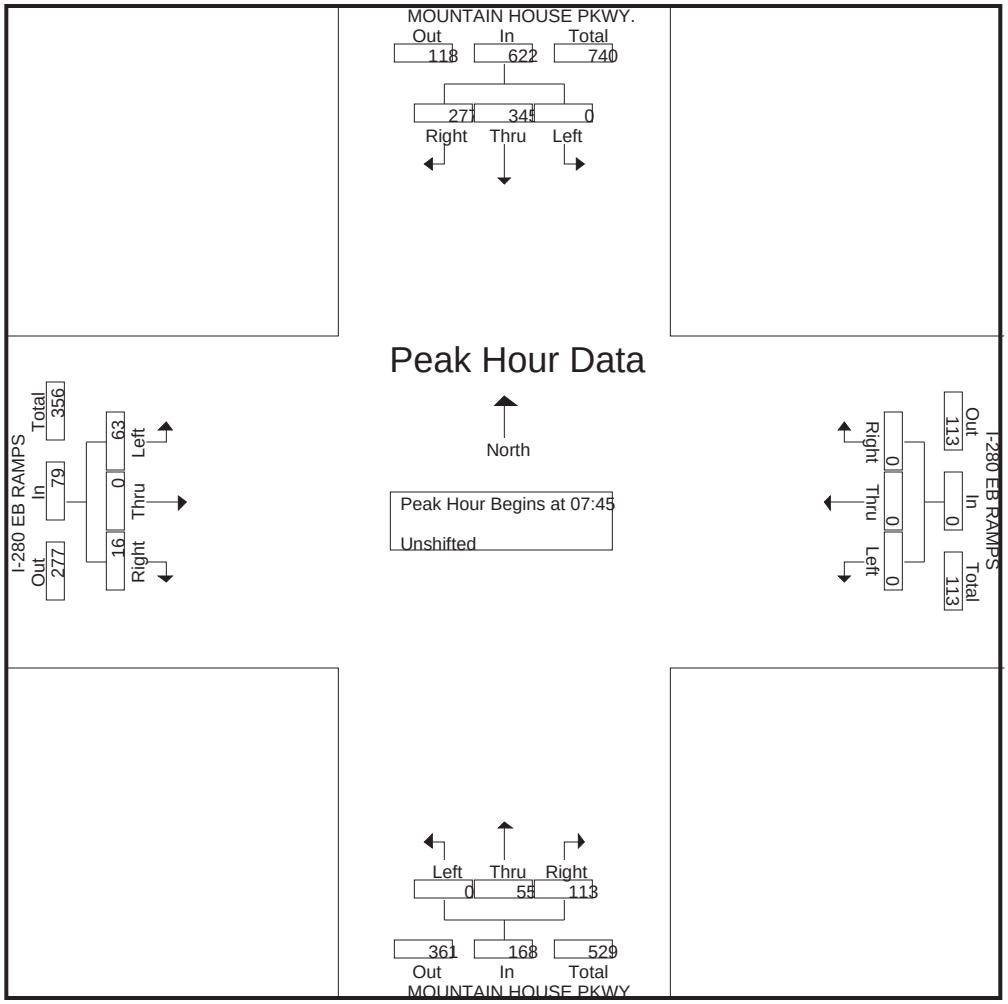
	MOUNTAIN HOUSE PKWY. Southbound				I-280 EB RAMPS Westbound				MOUNTAIN HOUSE PKWY. Northbound				I-280 EB RAMPS Eastbound				
Start Time	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Int. Total
Peak Hour Analysis From 06:00 to 08:45 - Peak 1 of 1																	
Peak Hour for Entire Intersection Begins at 07:45																	
07:45	0	97	**84**	**181**	0	0	0	0	0	12	25	37	**19**	0	3	**22**	**240**
08:00	0	**105**	67	172	0	0	0	0	0	9	**31**	40	13	0	4	17	229
08:15	0	76	63	139	0	0	0	0	0	**20**	28	**48**	16	0	**5**	21	208
08:30	0	67	63	130	0	0	0	0	0	14	29	43	15	0	4	19	192
Total Volume	0	345	277	622	0	0	0	0	0	55	113	168	63	0	16	79	869
% App. Total	0	55.5	44.5		0	0	0		0	32.7	67.3		79.7	0	20.3		
PHF	.000	.821	.824	.859	.000	.000	.000	.000	.000	.688	.911	.875	.829	.000	.800	.898	.905

All Traffic Data

(916) 771-8700

CITY OF TRACY
BIKES ON BANK 1
TRUCKS ON BANK 2

File Name : 11-7198-002 MOUNTAIN HOUSE-I 280 EB
Site Code : 00000000
Start Date : 5/5/2011
Page No : 3



All Traffic Data

(916) 771-8700

CITY OF TRACY
BIKES ON BANK 1
TRUCKS ON BANK 2

File Name : 11-7198-002 MOUNTAIN HOUSE-I 280 EB
Site Code : 00000000
Start Date : 5/5/2011
Page No : 4

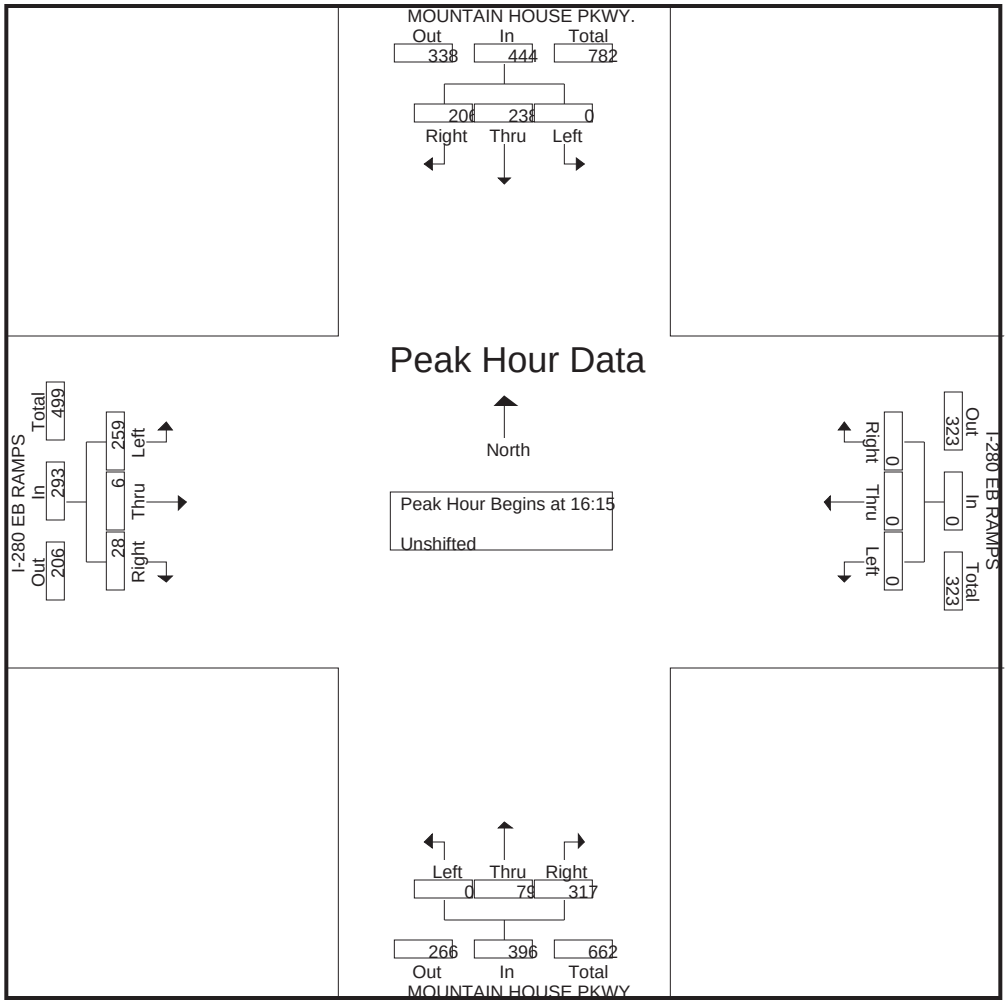
	MOUNTAIN HOUSE PKWY. Southbound				I-280 EB RAMPS Westbound				MOUNTAIN HOUSE PKWY. Northbound				I-280 EB RAMPS Eastbound				
Start Time	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Int. Total
Peak Hour Analysis From 15:00 to 17:45 - Peak 1 of 1																	
Peak Hour for Entire Intersection Begins at 16:15																	
16:15	0	**83**	41	124	0	0	0	0	0	**24**	49	73	52	1	8	61	258
16:30	0	71	**73**	**144**	0	0	0	0	0	12	**102**	114	60	0	2	62	**320**
16:45	0	54	37	91	0	0	0	0	0	20	74	94	70	**3**	**9**	82	267
17:00	0	30	55	85	0	0	0	0	0	23	92	**115**	**77**	2	9	**88**	288
Total Volume	0	238	206	444	0	0	0	0	0	79	317	396	259	6	28	293	1133
% App. Total	0	53.6	46.4		0	0	0		0	19.9	80.1		88.4	2	9.6		
PHF	.000	.717	.705	.771	.000	.000	.000	.000	.000	.823	.777	.861	.841	.500	.778	.832	.885

All Traffic Data

(916) 771-8700

CITY OF TRACY
BIKES ON BANK 1
TRUCKS ON BANK 2

File Name : 11-7198-002 MOUNTAIN HOUSE-I 280 EB
Site Code : 00000000
Start Date : 5/5/2011
Page No : 5



All Traffic Data

(916) 771-8700

CITY OF TRACY
BIKES ON BANK 1
TRUCKS ON BANK 2

File Name : 11-7198-001 MOUNTAIN HOUSE-I 280 WB
Site Code : 00000000
Start Date : 5/5/2011
Page No : 1

Groups Printed- Bank 2

	MOUNTAIN HOUSE PKWY. Southbound				I-280 WB RAMPS Westbound				MOUNTAIN HOUSE PKWY. Northbound				I-280 WB RAMPS Eastbound				
Start Time	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Int. Total
06:00	0	1	2	3	13	0	1	14	1	4	0	5	0	0	0	0	22
06:15	0	3	1	4	17	0	1	18	0	8	0	8	0	0	0	0	30
06:30	0	3	0	3	14	0	1	15	1	6	0	7	0	0	0	0	25
06:45	0	1	1	2	13	0	0	13	0	3	0	3	0	0	0	0	18
Total	0	8	4	12	57	0	3	60	2	21	0	23	0	0	0	0	95
07:00	0	1	0	1	10	0	1	11	0	4	0	4	0	0	0	0	16
07:15	0	2	0	2	14	0	0	14	0	3	0	3	0	0	0	0	19
07:30	0	3	0	3	7	0	0	7	3	4	0	7	0	0	0	0	17
07:45	0	3	0	3	12	0	0	12	0	1	0	1	0	0	0	0	16
Total	0	9	0	9	43	0	1	44	3	12	0	15	0	0	0	0	68
08:00	0	3	0	3	9	0	3	12	0	2	0	2	0	0	0	0	17
08:15	0	4	0	4	16	0	0	16	0	7	0	7	0	0	0	0	27
08:30	0	4	0	4	18	0	0	18	1	5	0	6	0	0	0	0	28
08:45	0	1	0	1	15	0	0	15	1	7	0	8	0	0	0	0	24
Total	0	12	0	12	58	0	3	61	2	21	0	23	0	0	0	0	96
15:00	0	2	0	2	5	0	0	5	0	6	0	6	0	0	0	0	13
15:15	0	1	0	1	9	0	0	9	0	5	0	5	0	0	0	0	15
15:30	0	2	0	2	1	0	1	2	2	1	0	3	0	0	0	0	7
15:45	0	4	0	4	6	0	1	7	0	1	0	1	0	0	0	0	12
Total	0	9	0	9	21	0	2	23	2	13	0	15	0	0	0	0	47
16:00	0	2	0	2	8	0	1	9	1	1	0	2	0	0	0	0	13
16:15	0	1	0	1	12	0	0	12	1	0	0	1	0	0	0	0	14
16:30	0	1	0	1	7	0	0	7	0	2	0	2	0	0	0	0	10
16:45	0	0	1	1	7	0	0	7	1	2	0	3	0	0	0	0	11
Total	0	4	1	5	34	0	1	35	3	5	0	8	0	0	0	0	48
17:00	0	1	0	1	3	0	0	3	0	1	0	1	0	0	0	0	5
17:15	0	0	0	0	4	0	0	4	0	1	0	1	0	0	0	0	5
17:30	0	0	0	0	6	0	0	6	0	1	0	1	0	0	0	0	7
17:45	0	0	0	0	6	0	0	6	0	1	0	1	0	0	0	0	7
Total	0	1	0	1	19	0	0	19	0	4	0	4	0	0	0	0	24

All Traffic Data

(916) 771-8700

CITY OF TRACY
BIKES ON BANK 1
TRUCKS ON BANK 2

File Name : 11-7198-001 MOUNTAIN HOUSE-I 280 WB
Site Code : 00000000
Start Date : 5/5/2011

Groups Printed- Bank 2

	MOUNTAIN HOUSE PKWY. Southbound				I-280 WB RAMPS Westbound				MOUNTAIN HOUSE PKWY. Northbound				I-280 WB RAMPS Eastbound				
	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Int. Total
Grand Total	0	43	5	48	232	0	10	242	12	76	0	88	0	0	0	0	378
Apprch %	0	89.6	10.4		95.9	0	4.1		13.6	86.4	0		0	0	0		
Total %	0	11.4	1.3	12.7	61.4	0	2.6	64	3.2	20.1	0	23.3	0	0	0	0	

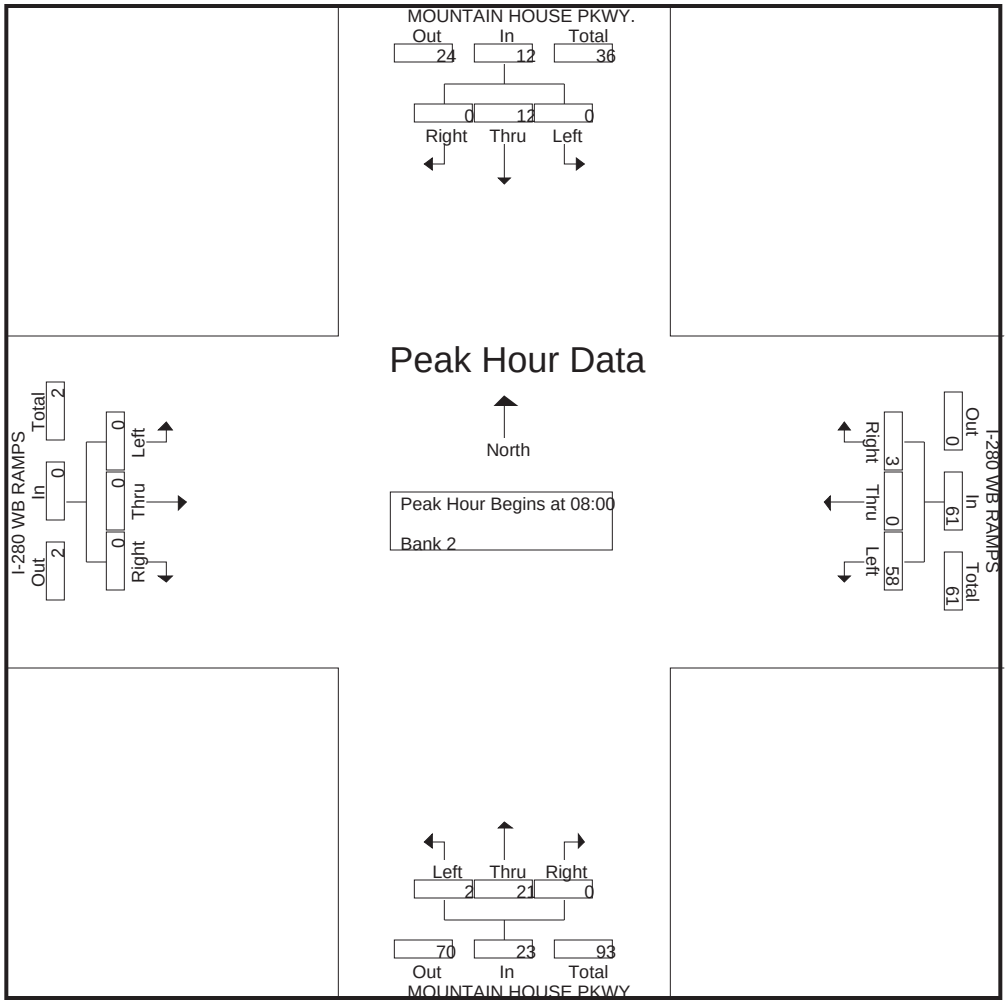
	MOUNTAIN HOUSE PKWY. Southbound				I-280 WB RAMPS Westbound				MOUNTAIN HOUSE PKWY. Northbound				I-280 WB RAMPS Eastbound				
Start Time	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Int. Total
Peak Hour Analysis From 06:00 to 08:45 - Peak 1 of 1																	
Peak Hour for Entire Intersection Begins at 08:00																	
08:00	0	3	0	3	9	0	**3**	12	0	2	0	2	0	0	0	0	17
08:15	0	**4**	0	**4**	16	0	0	16	0	**7**	0	7	0	0	0	0	27
08:30	0	4	0	4	**18**	0	0	**18**	**1**	5	0	6	0	0	0	0	**28**
08:45	0	1	0	1	15	0	0	15	1	7	0	**8**	0	0	0	0	24
Total Volume	0	12	0	12	58	0	3	61	2	21	0	23	0	0	0	0	96
% App. Total	0	100	0		95.1	0	4.9		8.7	91.3	0		0	0	0		
PHF	.000	.750	.000	.750	.806	.000	.250	.847	.500	.750	.000	.719	.000	.000	.000	.000	.857

All Traffic Data

(916) 771-8700

CITY OF TRACY
BIKES ON BANK 1
TRUCKS ON BANK 2

File Name : 11-7198-001 MOUNTAIN HOUSE-I 280 WB
Site Code : 00000000
Start Date : 5/5/2011
Page No : 3



All Traffic Data

(916) 771-8700

CITY OF TRACY
BIKES ON BANK 1
TRUCKS ON BANK 2

File Name : 11-7198-001 MOUNTAIN HOUSE-I 280 WB
Site Code : 00000000
Start Date : 5/5/2011
Page No : 4

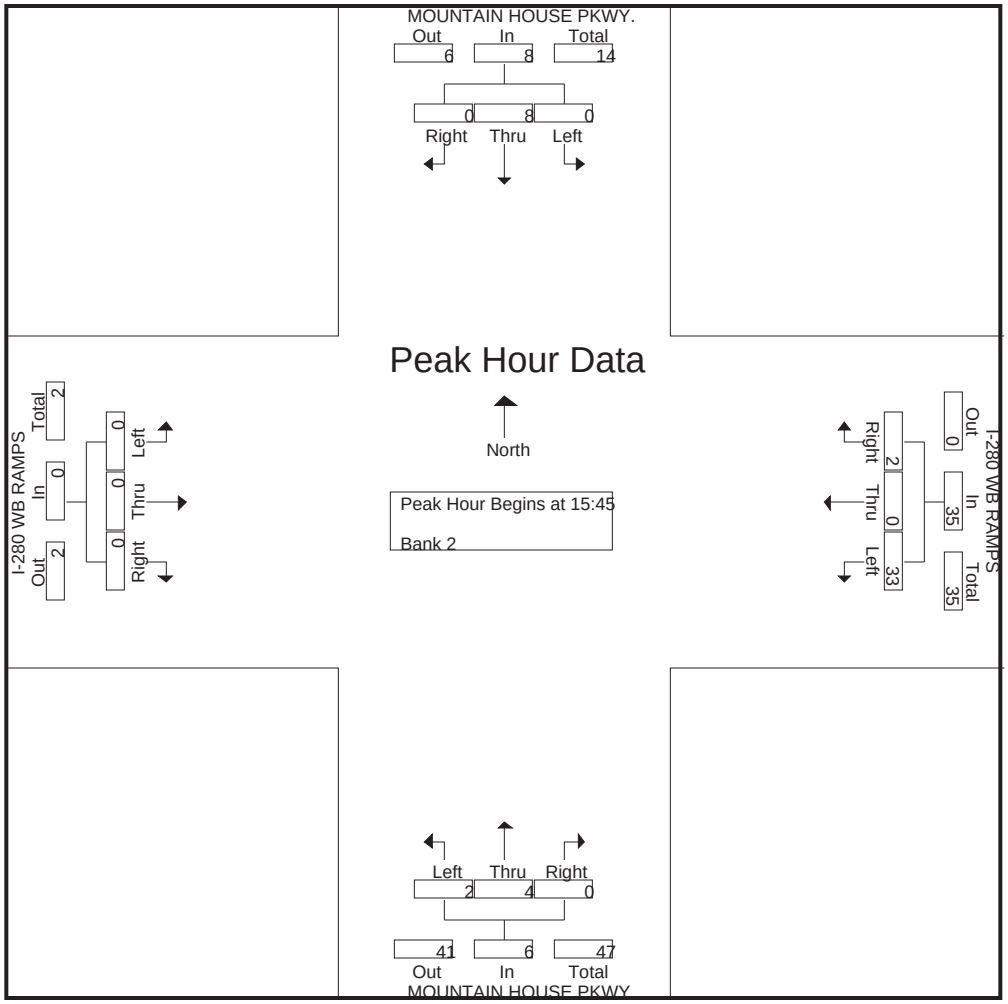
	MOUNTAIN HOUSE PKWY. Southbound				I-280 WB RAMPS Westbound				MOUNTAIN HOUSE PKWY. Northbound				I-280 WB RAMPS Eastbound				
Start Time	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Int. Total
Peak Hour Analysis From 15:00 to 17:45 - Peak 1 of 1																	
Peak Hour for Entire Intersection Begins at 15:45																	
15:45	0	**4**	0	**4**	6	0	**1**	7	0	1	0	1	0	0	0	0	12
16:00	0	2	0	2	8	0	1	9	**1**	1	0	**2**	0	0	0	0	13
16:15	0	1	0	1	**12**	0	0	**12**	1	0	0	1	0	0	0	0	**14**
16:30	0	1	0	1	7	0	0	7	0	**2**	0	2	0	0	0	0	10
Total Volume	0	8	0	8	33	0	2	35	2	4	0	6	0	0	0	0	49
% App. Total	0	100	0		94.3	0	5.7		33.3	66.7	0		0	0	0		
PHF	.000	.500	.000	.500	.688	.000	.500	.729	.500	.500	.000	.750	.000	.000	.000	.000	.875

All Traffic Data

(916) 771-8700

CITY OF TRACY
BIKES ON BANK 1
TRUCKS ON BANK 2

File Name : 11-7198-001 MOUNTAIN HOUSE-I 280 WB
Site Code : 00000000
Start Date : 5/5/2011
Page No : 5



All Traffic Data

(916) 771-8700

CITY OF TRACY
BIKES ON BANK 1
TRUCKS ON BANK 2

File Name : 11-7198-001 MOUNTAIN HOUSE-I 280 WB
Site Code : 00000000
Start Date : 5/5/2011
Page No : 1

Groups Printed- Bank 1

	MOUNTAIN HOUSE PKWY. Southbound				I-280 WB RAMPS Westbound				MOUNTAIN HOUSE PKWY. Northbound				I-280 WB RAMPS Eastbound				
Start Time	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Int. Total
06:30	0	2	0	2	0	0	0	0	0	0	0	0	0	0	0	0	2
Total	0	2	0	2	0	0	0	0	0	0	0	0	0	0	0	0	2
08:45	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	1
Total	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	1
17:15	0	0	0	0	0	0	0	0	0	2	0	2	0	0	0	0	2
Total	0	0	0	0	0	0	0	0	0	2	0	2	0	0	0	0	2
Grand Total	0	2	0	2	0	0	0	0	0	3	0	3	0	0	0	0	5
Apprch %	0	100	0		0	0	0		0	100	0		0	0	0		
Total %	0	40	0	40	0	0	0	0	0	60	0	60	0	0	0	0	

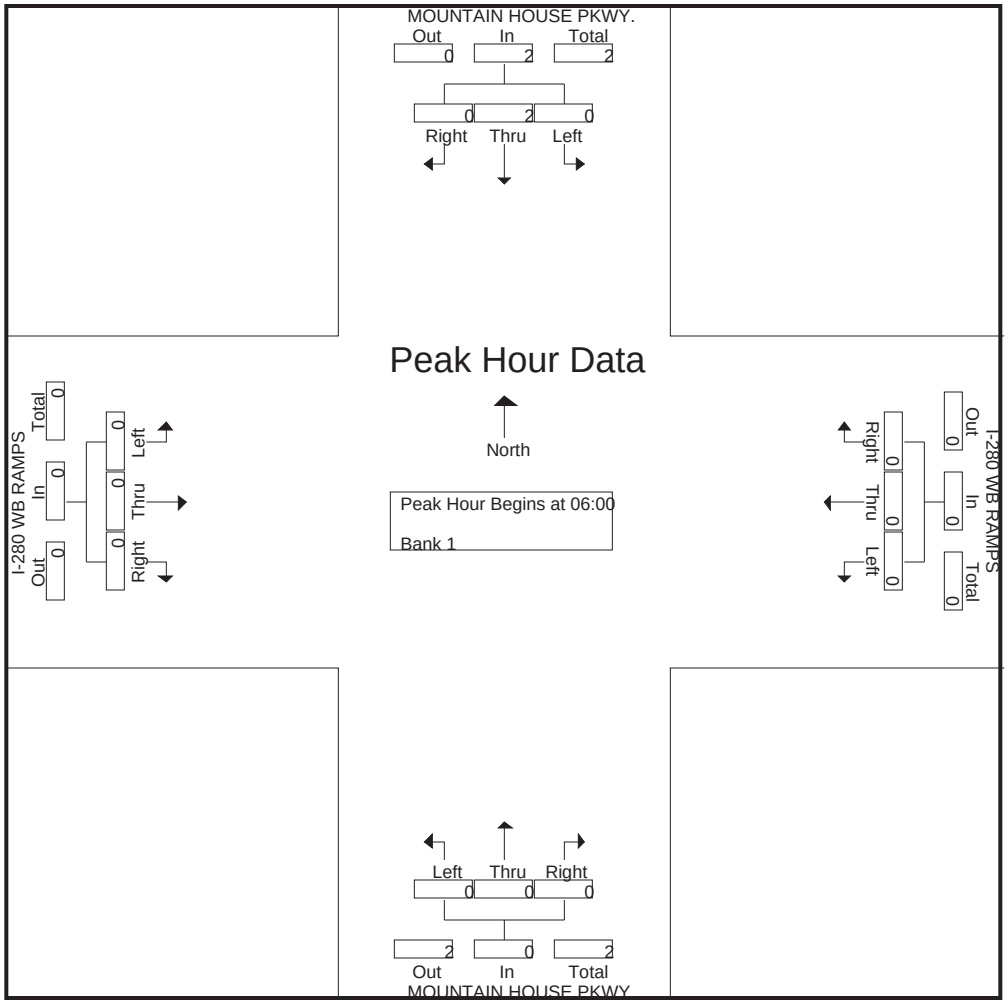
	MOUNTAIN HOUSE PKWY. Southbound				I-280 WB RAMPS Westbound				MOUNTAIN HOUSE PKWY. Northbound				I-280 WB RAMPS Eastbound				
Start Time	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Int. Total
Peak Hour Analysis From 06:00 to 08:45 - Peak 1 of 1																	
Peak Hour for Entire Intersection Begins at 06:00																	
06:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
06:15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
06:30	0	**2**	0	**2**	0	0	0	0	0	0	0	0	0	0	0	0	**2**
06:45	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Volume	0	2	0	2	0	0	0	0	0	0	0	0	0	0	0	0	2
% App. Total	0	100	0		0	0	0		0	0	0		0	0	0		
PHF	.000	.250	.000	.250	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.250

All Traffic Data

(916) 771-8700

CITY OF TRACY
BIKES ON BANK 1
TRUCKS ON BANK 2

File Name : 11-7198-001 MOUNTAIN HOUSE-I 280 WB
Site Code : 00000000
Start Date : 5/5/2011
Page No : 2



All Traffic Data

(916) 771-8700

CITY OF TRACY
BIKES ON BANK 1
TRUCKS ON BANK 2

File Name : 11-7198-001 MOUNTAIN HOUSE-I 280 WB
Site Code : 00000000
Start Date : 5/5/2011
Page No : 3

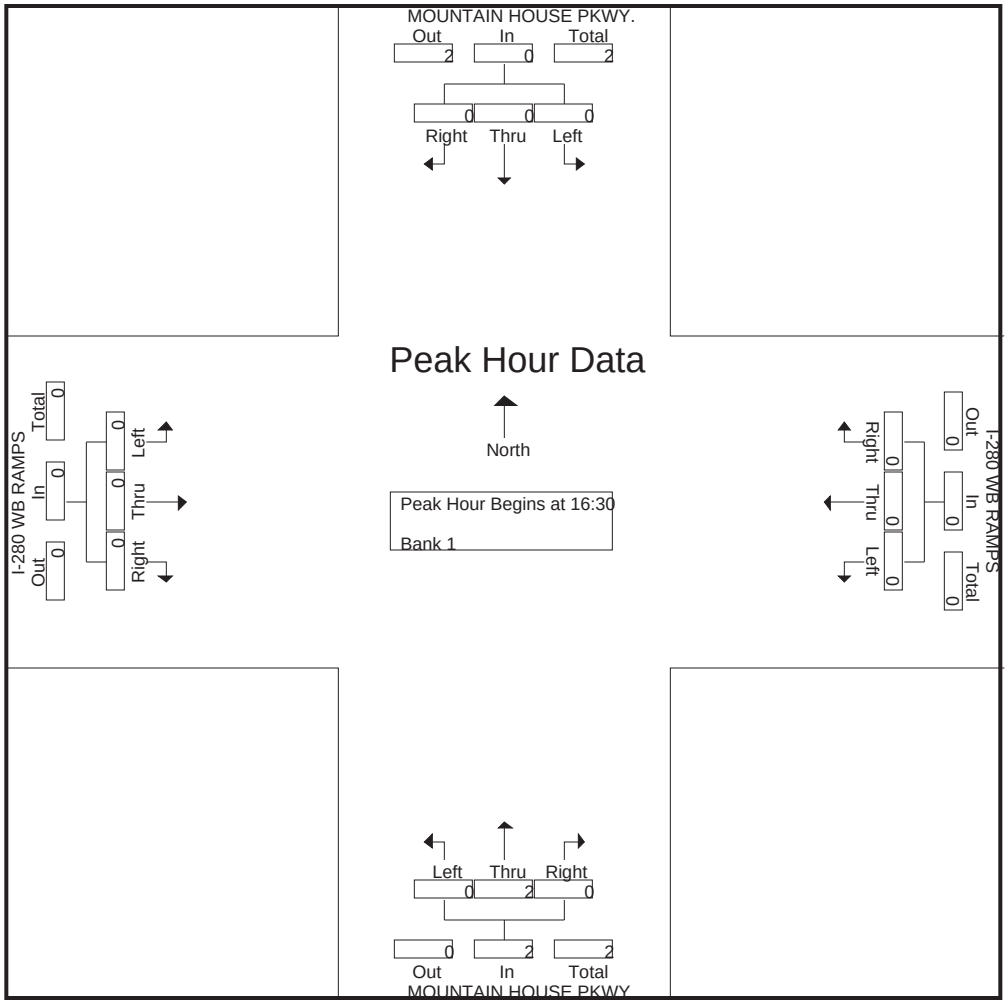
	MOUNTAIN HOUSE PKWY. Southbound				I-280 WB RAMPS Westbound				MOUNTAIN HOUSE PKWY. Northbound				I-280 WB RAMPS Eastbound				
Start Time	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Int. Total
Peak Hour Analysis From 15:00 to 17:45 - Peak 1 of 1																	
Peak Hour for Entire Intersection Begins at 16:30																	
16:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16:45	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17:15	0	0	0	0	0	0	0	0	0	**2**	0	**2**	0	0	0	0	**2**
Total Volume	0	0	0	0	0	0	0	0	0	2	0	2	0	0	0	0	2
% App. Total	0	0	0		0	0	0		0	100	0		0	0	0		
PHF	.000	.000	.000	.000	.000	.000	.000	.000	.000	.250	.000	.250	.000	.000	.000	.000	.250

All Traffic Data

(916) 771-8700

CITY OF TRACY
BIKES ON BANK 1
TRUCKS ON BANK 2

File Name : 11-7198-001 MOUNTAIN HOUSE-I 280 WB
Site Code : 00000000
Start Date : 5/5/2011
Page No : 4



All Traffic Data

(916) 771-8700

CITY OF TRACY
BIKES ON BANK 1
TRUCKS ON BANK 2

File Name : 11-7198-001 MOUNTAIN HOUSE-I 280 WB
Site Code : 00000000
Start Date : 5/5/2011
Page No : 1

Groups Printed- Unshifted - Bank 2

	MOUNTAIN HOUSE PKWY. Southbound				I-280 WB RAMPS Westbound				MOUNTAIN HOUSE PKWY. Northbound				I-280 WB RAMPS Eastbound				
Start Time	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Int. Total
06:00	0	29	52	81	72	2	25	99	2	20	0	22	0	0	0	0	202
06:15	0	37	69	106	102	4	35	141	0	28	0	28	0	0	0	0	275
06:30	0	46	53	99	112	0	26	138	4	35	0	39	0	0	0	0	276
06:45	0	40	55	95	86	0	18	104	0	20	0	20	0	0	0	0	219
Total	0	152	229	381	372	6	104	482	6	103	0	109	0	0	0	0	972
07:00	0	61	82	143	73	3	17	93	0	32	0	32	0	0	0	0	268
07:15	0	71	112	183	72	0	19	91	2	20	0	22	0	0	0	0	296
07:30	0	78	68	146	67	1	45	113	7	26	0	33	0	0	0	0	292
07:45	0	111	70	181	90	0	47	137	4	32	0	36	0	0	0	0	354
Total	0	321	332	653	302	4	128	434	13	110	0	123	0	0	0	0	1210
08:00	0	91	104	195	96	0	70	166	2	18	0	20	0	0	0	0	381
08:15	0	75	65	140	77	0	86	163	3	40	0	43	0	0	0	0	346
08:30	0	82	69	151	68	4	43	115	3	30	0	33	0	0	0	0	299
08:45	0	42	64	106	57	0	34	91	5	29	0	34	0	0	0	0	231
Total	0	290	302	592	298	4	233	535	13	117	0	130	0	0	0	0	1257
15:00	0	79	28	107	30	1	45	76	2	70	0	72	0	0	0	0	255
15:15	0	70	29	99	46	0	45	91	1	42	0	43	0	0	0	0	233
15:30	0	73	29	102	35	1	61	97	7	63	0	70	0	0	0	0	269
15:45	0	83	25	108	38	0	68	106	4	69	0	73	0	0	0	0	287
Total	0	305	111	416	149	2	219	370	14	244	0	258	0	0	0	0	1044
16:00	0	54	21	75	53	0	42	95	2	56	0	58	0	0	0	0	228
16:15	0	71	17	88	73	0	43	116	3	74	0	77	0	0	0	0	281
16:30	0	93	27	120	54	0	53	107	3	71	0	74	0	0	0	0	301
16:45	0	47	16	63	50	0	57	107	5	90	0	95	0	0	0	0	265
Total	0	265	81	346	230	0	195	425	13	291	0	304	0	0	0	0	1075
17:00	0	69	21	90	23	0	60	83	2	97	0	99	0	0	0	0	272
17:15	0	52	23	75	31	0	85	116	1	80	0	81	0	0	0	0	272
17:30	0	60	16	76	26	0	89	115	2	88	0	90	0	0	0	0	281
17:45	0	65	18	83	29	0	86	115	2	104	0	106	0	0	0	0	304
Total	0	246	78	324	109	0	320	429	7	369	0	376	0	0	0	0	1129

All Traffic Data

(916) 771-8700

CITY OF TRACY
BIKES ON BANK 1
TRUCKS ON BANK 2

File Name : 11-7198-001 MOUNTAIN HOUSE-I 280 WB
Site Code : 00000000
Start Date : 5/5/2011

Groups Printed- Unshifted - Bank 2

	MOUNTAIN HOUSE PKWY. Southbound				I-280 WB RAMPS Westbound				MOUNTAIN HOUSE PKWY. Northbound				I-280 WB RAMPS Eastbound				
	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Int. Total
Grand Total	0	1579	1133	2712	1460	16	1199	2675	66	1234	0	1300	0	0	0	0	6687
Apprch %	0	58.2	41.8		54.6	0.6	44.8		5.1	94.9	0		0	0	0		
Total %	0	23.6	16.9	40.6	21.8	0.2	17.9	40	1	18.5	0	19.4	0	0	0	0	
Unshifted	0	1536	1128	2664	1228	16	1189	2433	54	1158	0	1212	0	0	0	0	6309
% Unshifted	0	97.3	99.6	98.2	84.1	100	99.2	91	81.8	93.8	0	93.2	0	0	0	0	94.3
Bank 2	0	43	5	48	232	0	10	242	12	76	0	88	0	0	0	0	378
% Bank 2	0	2.7	0.4	1.8	15.9	0	0.8	9	18.2	6.2	0	6.8	0	0	0	0	5.7

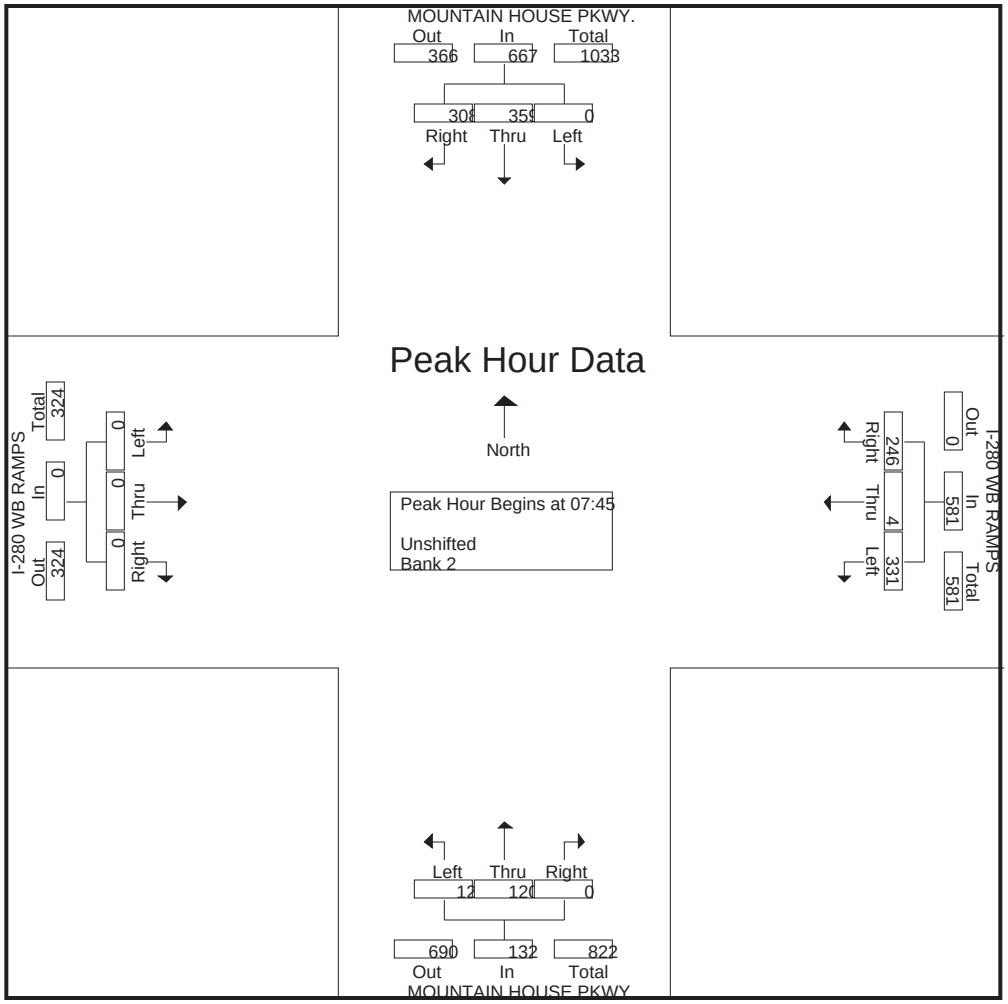
	MOUNTAIN HOUSE PKWY. Southbound				I-280 WB RAMPS Westbound				MOUNTAIN HOUSE PKWY. Northbound				I-280 WB RAMPS Eastbound				
Start Time	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Int. Total
Peak Hour Analysis From 06:00 to 08:45 - Peak 1 of 1																	
Peak Hour for Entire Intersection Begins at 07:45																	
07:45	0	**111**	70	181	90	0	47	137	**4**	32	0	36	0	0	0	0	354
08:00	0	91	**104**	**195**	**96**	0	70	**166**	2	18	0	20	0	0	0	0	**381**
08:15	0	75	65	140	77	0	**86**	163	3	**40**	0	**43**	0	0	0	0	346
08:30	0	82	69	151	68	**4**	43	115	3	30	0	33	0	0	0	0	299
Total Volume	0	359	308	667	331	4	246	581	12	120	0	132	0	0	0	0	1380
% App. Total	0	53.8	46.2		57	0.7	42.3		9.1	90.9	0		0	0	0		
PHF	.000	.809	.740	.855	.862	.250	.715	.875	.750	.750	.000	.767	.000	.000	.000	.000	.906

All Traffic Data

(916) 771-8700

CITY OF TRACY
BIKES ON BANK 1
TRUCKS ON BANK 2

File Name : 11-7198-001 MOUNTAIN HOUSE-I 280 WB
Site Code : 00000000
Start Date : 5/5/2011
Page No : 3



All Traffic Data

(916) 771-8700

CITY OF TRACY
BIKES ON BANK 1
TRUCKS ON BANK 2

File Name : 11-7198-001 MOUNTAIN HOUSE-I 280 WB
Site Code : 00000000
Start Date : 5/5/2011

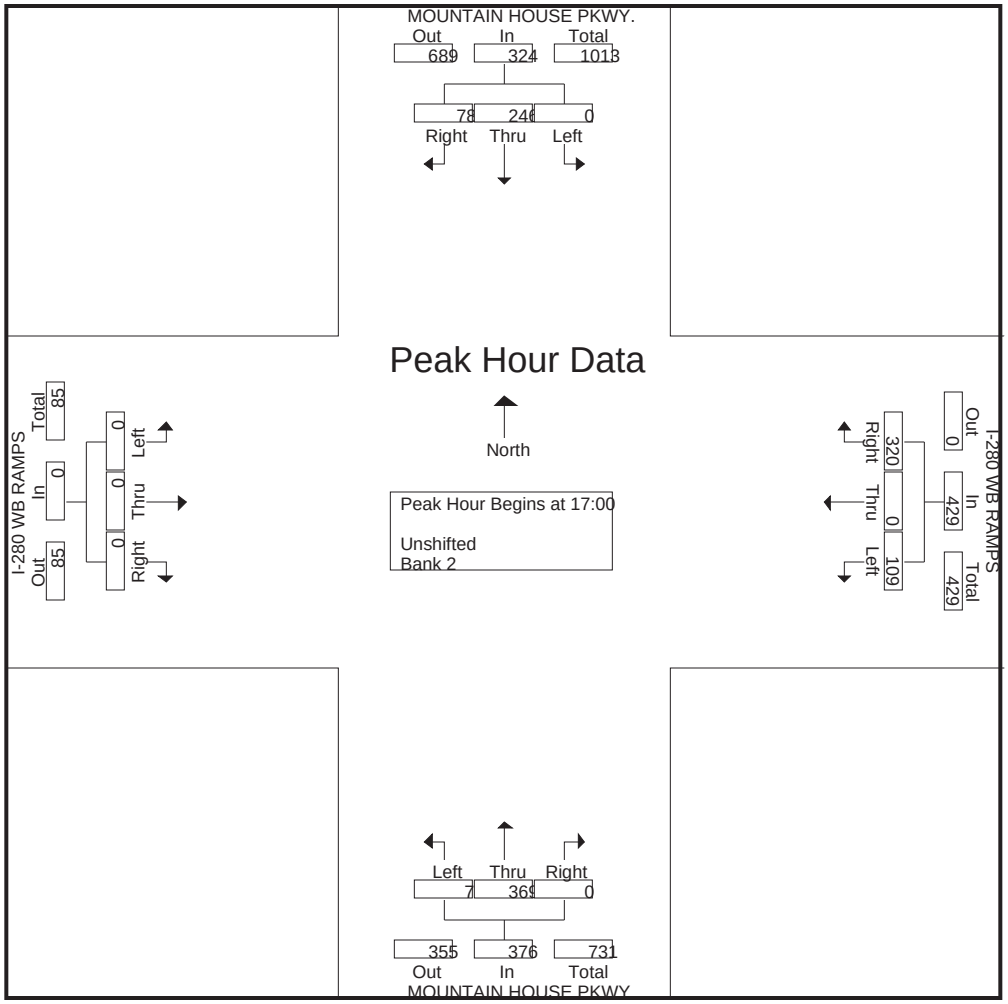
	MOUNTAIN HOUSE PKWY. Southbound				I-280 WB RAMPS Westbound				MOUNTAIN HOUSE PKWY. Northbound				I-280 WB RAMPS Eastbound				
Start Time	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Int. Total
Peak Hour Analysis From 15:00 to 17:45 - Peak 1 of 1																	
Peak Hour for Entire Intersection Begins at 17:00																	
17:00	0	**69**	21	**90**	23	0	60	83	**2**	97	0	99	0	0	0	0	272
17:15	0	52	**23**	75	**31**	0	85	**116**	1	80	0	81	0	0	0	0	272
17:30	0	60	16	76	26	0	**89**	115	2	88	0	90	0	0	0	0	281
17:45	0	65	18	83	29	0	86	115	2	**104**	0	**106**	0	0	0	0	**304**
Total Volume	0	246	78	324	109	0	320	429	7	369	0	376	0	0	0	0	1129
% App. Total	0	75.9	24.1		25.4	0	74.6		1.9	98.1	0		0	0	0		
PHF	.000	.891	.848	.900	.879	.000	.899	.925	.875	.887	.000	.887	.000	.000	.000	.000	.928

All Traffic Data

(916) 771-8700

CITY OF TRACY
BIKES ON BANK 1
TRUCKS ON BANK 2

File Name : 11-7198-001 MOUNTAIN HOUSE-I 280 WB
Site Code : 00000000
Start Date : 5/5/2011
Page No : 5



All Traffic Data

(916) 771-8700

CITY OF TRACY
BIKES ON BANK 1
TRUCKS ON BANK 2

File Name : 11-7198-001 MOUNTAIN HOUSE-I 280 WB
Site Code : 00000000
Start Date : 5/5/2011
Page No : 1

Groups Printed- Unshifted

	MOUNTAIN HOUSE PKWY. Southbound					I-280 WB RAMPS Westbound					MOUNTAIN HOUSE PKWY. Northbound					I-280 WB RAMPS Eastbound							
Start Time	Left	Thr	Rig	Ped	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Exclu. Total	Inclu. Total	Int. Total
06:00	0	28	50	0	78	59	2	24	0	85	1	16	0	0	17	0	0	0	0	0	0	180	180
06:15	0	34	68	0	102	85	4	34	0	123	0	20	0	0	20	0	0	0	0	0	0	245	245
06:30	0	43	53	0	96	98	0	25	0	123	3	29	0	0	32	0	0	0	0	0	0	251	251
06:45	0	39	54	0	93	73	0	18	0	91	0	17	0	0	17	0	0	0	0	0	0	201	201
Total	0	144	225	0	369	315	6	101	0	422	4	82	0	0	86	0	0	0	0	0	0	877	877
07:00	0	60	82	0	142	63	3	16	0	82	0	28	0	0	28	0	0	0	0	0	0	252	252
07:15	0	69	112	0	181	58	0	19	0	77	2	17	0	0	19	0	0	0	0	0	0	277	277
07:30	0	75	68	0	143	60	1	45	0	106	4	22	0	0	26	0	0	0	0	0	0	275	275
07:45	0	108	70	0	178	78	0	47	0	125	4	31	0	0	35	0	0	0	0	0	0	338	338
Total	0	312	332	0	644	259	4	127	0	390	10	98	0	0	108	0	0	0	0	0	0	1142	1142
08:00	0	88	104	0	192	87	0	67	0	154	2	16	0	0	18	0	0	0	0	0	0	364	364
08:15	0	71	65	0	136	61	0	86	0	147	3	33	0	0	36	0	0	0	0	0	0	319	319
08:30	0	78	69	0	147	50	4	43	0	97	2	25	0	0	27	0	0	0	0	0	0	271	271
08:45	0	41	64	0	105	42	0	34	0	76	4	22	0	0	26	0	0	0	0	0	0	207	207
Total	0	278	302	0	580	240	4	230	0	474	11	96	0	0	107	0	0	0	0	0	0	1161	1161
15:00	0	77	28	0	105	25	1	45	1	71	2	64	0	0	66	0	0	0	0	0	1	242	243
15:15	0	69	29	0	98	37	0	45	0	82	1	37	0	0	38	0	0	0	0	0	0	218	218
15:30	0	71	29	0	100	34	1	60	0	95	5	62	0	0	67	0	0	0	0	0	0	262	262
15:45	0	79	25	0	104	32	0	67	2	99	4	68	0	0	72	0	0	0	0	0	2	275	277
Total	0	296	111	0	407	128	2	217	3	347	12	231	0	0	243	0	0	0	0	0	3	997	1000
16:00	0	52	21	0	73	45	0	41	0	86	1	55	0	0	56	0	0	0	0	0	0	215	215
16:15	0	70	17	0	87	61	0	43	0	104	2	74	0	0	76	0	0	0	0	0	0	267	267
16:30	0	92	27	0	119	47	0	53	0	100	3	69	0	0	72	0	0	0	0	0	0	291	291
16:45	0	47	15	0	62	43	0	57	0	100	4	88	0	0	92	0	0	0	0	0	0	254	254
Total	0	261	80	0	341	196	0	194	0	390	10	286	0	0	296	0	0	0	0	0	0	1027	1027
17:00	0	68	21	0	89	20	0	60	0	80	2	96	0	0	98	0	0	0	0	0	0	267	267
17:15	0	52	23	0	75	27	0	85	0	112	1	79	0	0	80	0	0	0	0	0	0	267	267
17:30	0	60	16	0	76	20	0	89	0	109	2	87	0	0	89	0	0	0	0	0	0	274	274
17:45	0	65	18	0	83	23	0	86	0	109	2	103	0	0	105	0	0	0	0	0	0	297	297
Total	0	245	78	0	323	90	0	320	0	410	7	365	0	0	372	0	0	0	0	0	0	1105	1105
Grand Total	0	1536	1128	0	2664	1228	16	1189	3	2433	54	1158	0	0	1212	0	0	0	0	0	3	6309	6312
Apprch %	0	57.7	42.3			50.5	0.7	48.9			4.5	95.5	0			0	0	0					
Total %	0	24.3	17.9		42.2	19.5	0.3	18.8		38.6	0.9	18.4	0		19.2	0	0	0		0	0	100	

All Traffic Data

(916) 771-8700

CITY OF TRACY
BIKES ON BANK 1
TRUCKS ON BANK 2

File Name : 11-7198-001 MOUNTAIN HOUSE-I 280 WB
Site Code : 00000000
Start Date : 5/5/2011
Page No : 2

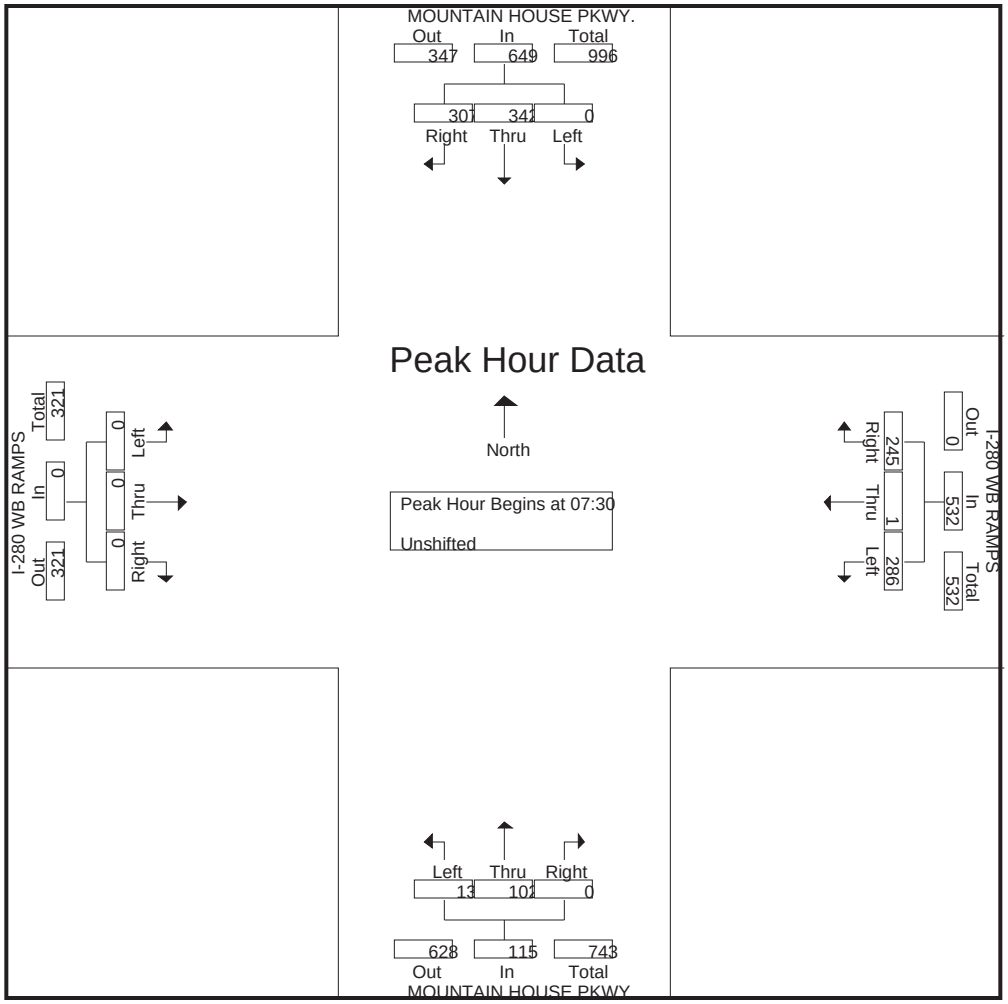
	MOUNTAIN HOUSE PKWY. Southbound				I-280 WB RAMPS Westbound				MOUNTAIN HOUSE PKWY. Northbound				I-280 WB RAMPS Eastbound				
Start Time	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Int. Total
Peak Hour Analysis From 06:00 to 08:45 - Peak 1 of 1																	
Peak Hour for Entire Intersection Begins at 07:30																	
07:30	0	75	68	143	60	**1**	45	106	**4**	22	0	26	0	0	0	0	275
07:45	0	**108**	70	178	78	0	47	125	4	31	0	35	0	0	0	0	338
08:00	0	88	**104**	**192**	**87**	0	67	**154**	2	16	0	18	0	0	0	0	**364**
08:15	0	71	65	136	61	0	**86**	147	3	**33**	0	**36**	0	0	0	0	319
Total Volume	0	342	307	649	286	1	245	532	13	102	0	115	0	0	0	0	1296
% App. Total	0	52.7	47.3		53.8	0.2	46.1		11.3	88.7	0		0	0	0		
PHF	.000	.792	.738	.845	.822	.250	.712	.864	.813	.773	.000	.799	.000	.000	.000	.000	.890

All Traffic Data

(916) 771-8700

CITY OF TRACY
BIKES ON BANK 1
TRUCKS ON BANK 2

File Name : 11-7198-001 MOUNTAIN HOUSE-I 280 WB
Site Code : 00000000
Start Date : 5/5/2011
Page No : 3



All Traffic Data

(916) 771-8700

CITY OF TRACY
BIKES ON BANK 1
TRUCKS ON BANK 2

File Name : 11-7198-001 MOUNTAIN HOUSE-I 280 WB
Site Code : 00000000
Start Date : 5/5/2011

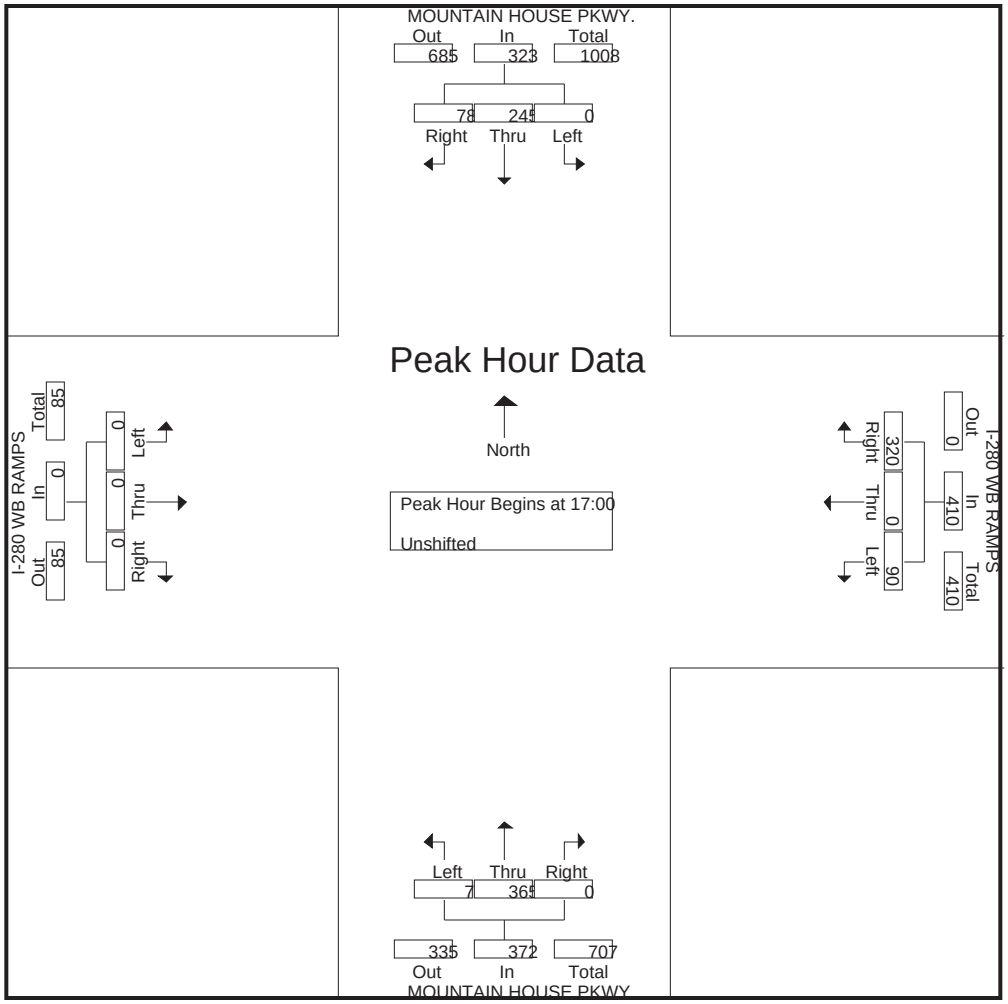
	MOUNTAIN HOUSE PKWY. Southbound				I-280 WB RAMPS Westbound				MOUNTAIN HOUSE PKWY. Northbound				I-280 WB RAMPS Eastbound				
Start Time	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Int. Total
Peak Hour Analysis From 15:00 to 17:45 - Peak 1 of 1																	
Peak Hour for Entire Intersection Begins at 17:00																	
17:00	0	**68**	21	**89**	20	0	60	80	**2**	96	0	98	0	0	0	0	267
17:15	0	52	**23**	75	**27**	0	85	**112**	1	79	0	80	0	0	0	0	267
17:30	0	60	16	76	20	0	**89**	109	2	87	0	89	0	0	0	0	274
17:45	0	65	18	83	23	0	86	109	2	**103**	0	**105**	0	0	0	0	**297**
Total Volume	0	245	78	323	90	0	320	410	7	365	0	372	0	0	0	0	1105
% App. Total	0	75.9	24.1		22	0	78		1.9	98.1	0		0	0	0		
PHF	.000	.901	.848	.907	.833	.000	.899	.915	.875	.886	.000	.886	.000	.000	.000	.000	.930

All Traffic Data

(916) 771-8700

CITY OF TRACY
BIKES ON BANK 1
TRUCKS ON BANK 2

File Name : 11-7198-001 MOUNTAIN HOUSE-I 280 WB
Site Code : 00000000
Start Date : 5/5/2011
Page No : 5



All Traffic Data

(916) 771-8700

CITY OF TRACY
BIKES ON BANK 1

File Name : 11-7198-009 LAMMERS-VALPICO
Site Code : 00000000
Start Date : 5/5/2011
Page No : 1

Groups Printed- Bank 1

	S. LAMMERS RD. Southbound				VALPICO RD. Westbound				S. LAMMERS RD. Northbound				Eastbound				
Start Time	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Int. Total
07:45	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	1
Total	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	1
Grand Total	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	1
Apprch %	0	0	0		0	0	100		0	0	0		0	0	0		
Total %	0	0	0	0	0	0	100	100	0	0	0	0	0	0	0	0	

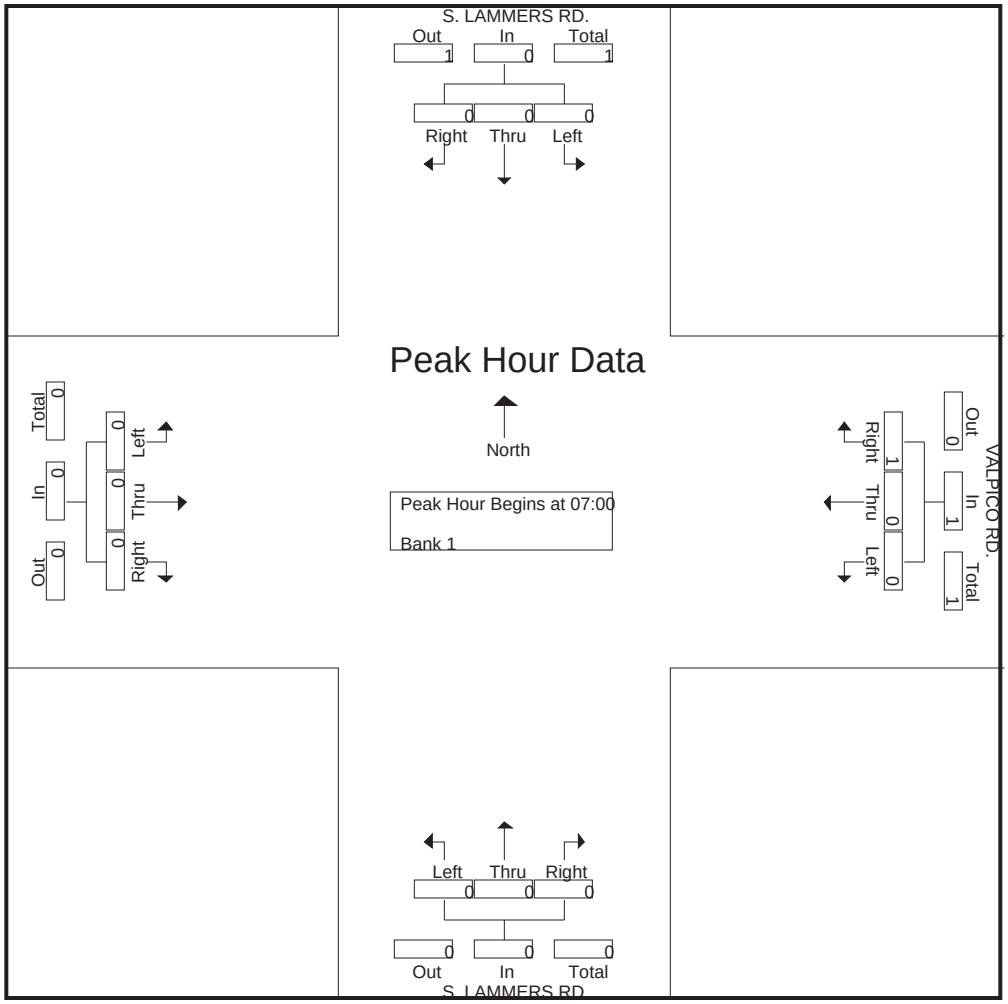
	S. LAMMERS RD. Southbound				VALPICO RD. Westbound				S. LAMMERS RD. Northbound				Eastbound				
Start Time	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Int. Total
Peak Hour Analysis From 07:00 to 08:45 - Peak 1 of 1																	
Peak Hour for Entire Intersection Begins at 07:00																	
07:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
07:15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
07:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
07:45	0	0	0	0	0	0	**1**	**1**	0	0	0	0	0	0	0	0	**1**
Total Volume	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	1
% App. Total	0	0	0		0	0	100		0	0	0		0	0	0		
PHF	.000	.000	.000	.000	.000	.000	.250	.250	.000	.000	.000	.000	.000	.000	.000	.000	.250

All Traffic Data

(916) 771-8700

CITY OF TRACY
BIKES ON BANK 1

File Name : 11-7198-009 LAMMERS-VALPICO
Site Code : 00000000
Start Date : 5/5/2011
Page No : 2



All Traffic Data

(916) 771-8700

CITY OF TRACY
BIKES ON BANK 1

File Name : 11-7198-009 LAMMERS-VALPICO
Site Code : 00000000
Start Date : 5/5/2011
Page No : 3

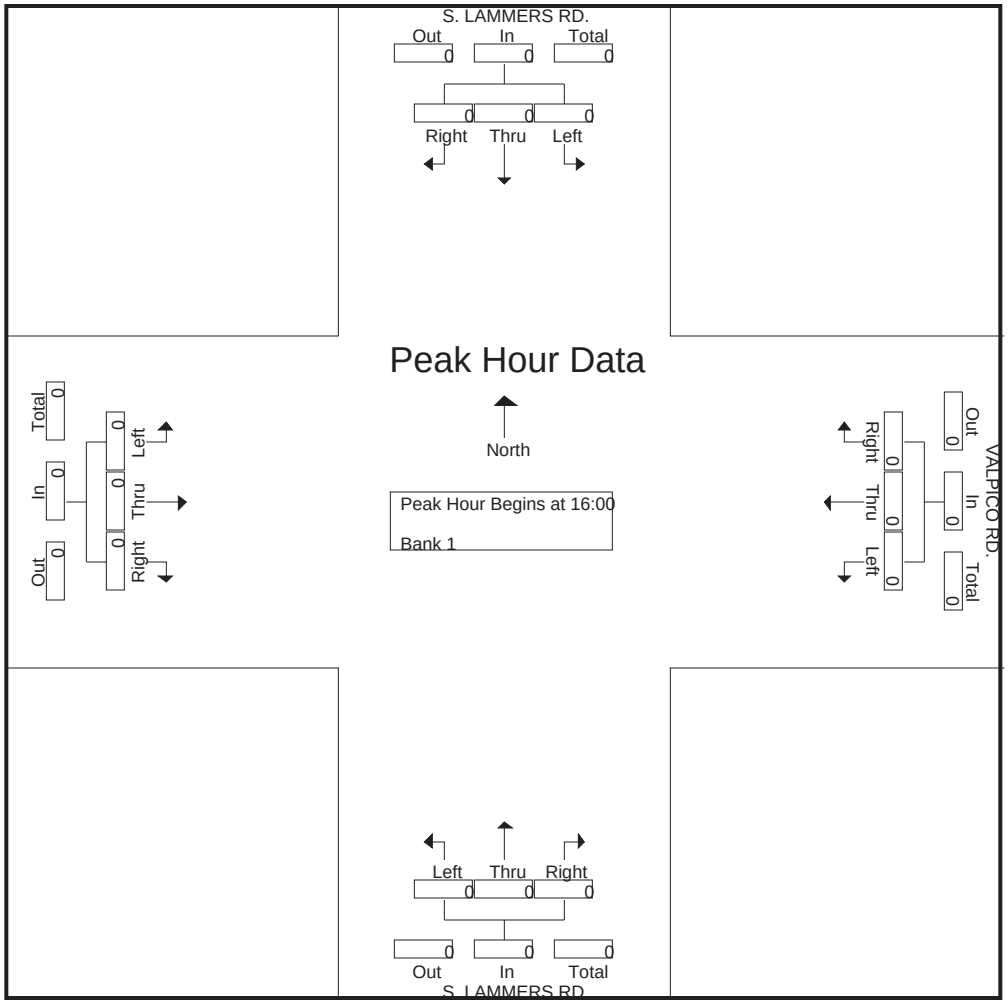
	S. LAMMERS RD. Southbound				VALPICO RD. Westbound				S. LAMMERS RD. Northbound				Eastbound				
Start Time	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Int. Total
Peak Hour Analysis From 16:00 to 17:45 - Peak 1 of 1																	
Peak Hour for Entire Intersection Begins at 16:00																	
16:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16:15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16:45	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Volume	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
% App. Total	0	0	0		0	0	0		0	0	0		0	0	0		
PHF	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

All Traffic Data

(916) 771-8700

CITY OF TRACY
BIKES ON BANK 1

File Name : 11-7198-009 LAMMERS-VALPICO
Site Code : 00000000
Start Date : 5/5/2011
Page No : 4



Appendix B
Raw Segment Count Data

FEHR PEERS

Speed Report - Prepared by: NDS/ATD

North of I-580/Mountain House Parkway interchange and ramps (Outside lanes only)

Tracy

Project #: 11-7199-002n Date: 5/4/2011 WEDNESDAY

North Bound

Begin Time	5-14	15-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-9999	Total
12:00 AM	0	0	1	2	1	4	5	1	0	0	0	0	0	14
12:15 AM	0	2	1	3	4	2	3	2	0	0	0	0	0	17
12:30 AM	0	0	0	0	0	2	2	4	0	0	0	0	0	8
12:45 AM	0	0	0	0	2	2	0	0	0	0	0	0	0	4
Hour Total	0	2	2	5	7	10	10	7	0	0	0	0	0	43
1:00 AM	0	0	1	5	3	0	3	0	0	0	0	0	0	12
1:15 AM	0	0	3	2	2	7	2	2	0	0	0	0	0	18
1:30 AM	0	0	0	2	2	2	0	1	0	0	0	0	0	7
1:45 AM	0	0	4	3	3	0	1	1	1	0	0	0	0	13
Hour Total	0	0	8	12	10	9	6	4	1	0	0	0	0	50
2:00 AM	0	1	2	1	2	6	5	3	1	0	0	0	0	21
2:15 AM	0	0	0	4	2	7	4	5	0	0	0	0	0	22
2:30 AM	0	0	0	1	3	7	6	6	0	0	0	0	0	23
2:45 AM	0	0	3	3	2	4	3	6	0	0	0	0	0	21
Hour Total	0	1	5	9	9	24	18	20	1	0	0	0	0	87
3:00 AM	0	0	0	4	4	9	3	0	0	0	0	0	0	20
3:15 AM	0	0	1	4	3	0	6	1	1	0	0	0	0	16
3:30 AM	0	0	1	0	5	3	2	0	1	0	0	0	0	12
3:45 AM	1	0	1	4	2	6	3	1	0	1	0	0	0	19
Hour Total	1	0	3	12	14	18	14	2	2	1	0	0	0	67
4:00 AM	0	0	2	1	6	7	3	1	0	0	0	0	0	20
4:15 AM	1	0	0	3	6	3	5	2	0	0	0	0	0	20
4:30 AM	0	0	0	3	6	6	3	3	0	0	0	0	0	21
4:45 AM	0	0	0	4	5	5	6	6	1	0	0	0	0	27
Hour Total	1	0	2	11	23	21	17	12	1	0	0	0	0	88
5:00 AM	0	0	3	3	8	5	6	1	3	0	0	0	0	29
5:15 AM	1	1	1	3	6	12	10	3	1	0	0	0	0	38
5:30 AM	0	2	1	7	9	15	20	4	0	0	0	0	0	58
5:45 AM	0	3	3	15	9	9	11	6	2	2	0	0	0	60
Hour Total	1	6	8	28	32	41	47	14	6	2	0	0	0	185
6:00 AM	0	1	2	11	9	6	6	2	2	0	0	0	0	39
6:15 AM	0	0	5	6	8	9	3	2	0	0	0	0	0	33
6:30 AM	0	0	2	5	10	11	8	8	0	0	0	0	0	44
6:45 AM	0	1	8	5	11	5	8	4	1	0	0	0	0	43
Hour Total	0	2	17	27	38	31	25	16	3	0	0	0	0	159
7:00 AM	0	2	3	8	6	7	9	1	0	0	0	0	0	36
7:15 AM	1	0	5	8	7	6	2	4	1	0	0	0	0	34
7:30 AM	1	1	1	9	11	5	9	2	1	2	0	0	0	42
7:45 AM	0	0	3	4	8	5	8	7	0	0	0	0	0	35
Hour Total	2	3	12	29	32	23	28	14	2	2	0	0	0	147

8:00 AM	0	0	2	8	6	1	6	10	2	0	0	0	0	35
8:15 AM	0	2	2	4	4	6	5	3	0	0	0	0	0	26
8:30 AM	0	0	1	2	4	6	5	1	0	0	0	0	0	19
8:45 AM	2	1	2	4	4	10	4	2	0	0	0	0	0	29
Hour Total	2	3	7	18	18	23	20	16	2	0	0	0	0	109
9:00 AM	0	0	1	3	10	7	3	3	0	0	0	0	0	27
9:15 AM	2	0	2	1	8	8	3	1	0	0	0	0	0	25
9:30 AM	0	0	1	6	9	4	7	6	0	1	0	0	0	34
9:45 AM	0	1	1	5	6	8	3	2	0	0	0	0	0	26
Hour Total	2	1	5	15	33	27	16	12	0	1	0	0	0	112
10:00 AM	0	1	0	5	4	3	1	3	0	0	0	0	0	17
10:15 AM	0	2	0	3	7	7	7	1	0	1	0	0	0	28
10:30 AM	0	3	1	1	5	4	3	3	0	0	0	0	0	20
10:45 AM	0	0	2	6	7	12	5	2	1	0	0	0	0	35
Hour Total	0	6	3	15	23	26	16	9	1	1	0	0	0	100
11:00 AM	0	0	0	3	11	8	6	6	0	0	0	0	0	34
11:15 AM	0	1	0	4	8	14	9	3	0	0	0	0	0	39
11:30 AM	0	0	1	3	6	21	9	5	0	0	0	0	0	45
11:45 AM	0	0	0	5	5	15	8	5	2	0	0	0	0	40
Hour Total	0	1	1	15	30	58	32	19	2	0	0	0	0	158
12:00 PM	0	0	2	1	8	7	9	4	0	1	0	0	0	32
12:15 PM	0	0	1	4	10	6	10	2	2	0	0	0	0	35
12:30 PM	0	0	1	2	8	9	2	3	0	0	0	0	0	25
12:45 PM	0	0	0	2	3	15	2	6	0	0	0	0	0	28
Hour Total	0	0	4	9	29	37	23	15	2	1	0	0	0	120
1:00 PM	0	0	0	7	3	13	2	6	3	0	0	0	0	34
1:15 PM	0	2	0	2	9	6	7	4	0	0	0	0	0	30
1:30 PM	0	2	0	2	9	4	11	3	0	0	0	0	0	31
1:45 PM	0	0	0	3	6	9	5	3	0	0	0	0	0	26
Hour Total	0	4	0	14	27	32	25	16	3	0	0	0	0	121
2:00 PM	0	1	1	3	6	11	7	2	3	1	0	0	0	35
2:15 PM	0	1	1	2	7	9	4	2	2	1	0	0	0	29
2:30 PM	0	0	1	3	5	6	7	10	4	2	0	0	0	38
2:45 PM	0	0	0	1	5	15	19	12	6	0	0	0	0	58
Hour Total	0	2	3	9	23	41	37	26	15	4	0	0	0	160
3:00 PM	0	0	0	3	2	10	7	12	6	0	0	0	0	40
3:15 PM	0	0	2	1	3	15	13	13	5	0	0	0	0	52
3:30 PM	0	0	0	4	3	8	11	15	8	0	0	0	0	49
3:45 PM	0	0	3	6	6	10	7	18	7	1	0	0	0	58
Hour Total	0	0	5	14	14	43	38	58	26	1	0	0	0	199

4:00 PM	0	0	0	1	4	7	18	14	8	1	0	0	0	53
4:15 PM	0	0	0	1	4	8	20	22	20	2	0	0	0	77
4:30 PM	1	0	1	1	4	13	23	23	9	2	0	0	0	77
4:45 PM	0	0	0	0	2	7	21	27	20	5	0	0	0	82
Hour Total	1	0	1	3	14	35	82	86	57	10	0	0	0	289
5:00 PM	0	0	3	2	6	15	16	21	7	3	0	0	0	73
5:15 PM	0	2	2	1	5	5	21	34	8	1	0	0	0	79
5:30 PM	0	0	1	2	3	6	30	34	14	0	0	0	0	90
5:45 PM	0	0	0	1	5	12	24	28	11	1	1	0	0	83
Hour Total	0	2	6	6	19	38	91	117	40	5	1	0	0	325
6:00 PM	0	0	0	0	2	5	10	29	11	5	0	0	0	62
6:15 PM	0	0	1	1	0	10	23	17	10	1	0	0	0	63
6:30 PM	0	2	1	1	4	5	7	17	6	0	0	0	0	43
6:45 PM	0	0	0	1	4	9	13	9	2	0	0	0	0	38
Hour Total	0	2	2	3	10	29	53	72	29	6	0	0	0	206
7:00 PM	0	0	0	3	1	9	10	14	5	0	0	0	0	42
7:15 PM	0	0	0	1	2	5	9	8	4	0	0	0	0	29
7:30 PM	0	0	0	1	1	2	5	6	1	0	0	0	0	16
7:45 PM	1	0	0	2	5	9	6	6	2	0	0	0	0	31
Hour Total	1	0	0	7	9	25	30	34	12	0	0	0	0	118
8:00 PM	0	1	0	3	5	8	6	7	4	0	0	0	0	34
8:15 PM	0	0	1	2	3	4	5	3	0	0	0	0	0	18
8:30 PM	0	0	0	2	4	10	13	4	2	0	0	0	0	35
8:45 PM	0	0	1	2	6	5	3	1	3	0	0	0	0	21
Hour Total	0	1	2	9	18	27	27	15	9	0	0	0	0	108
9:00 PM	0	0	0	2	2	8	8	3	4	1	0	0	0	28
9:15 PM	0	0	0	3	5	2	3	4	2	0	0	0	0	19
9:30 PM	0	0	2	3	1	5	4	2	0	0	0	0	0	17
9:45 PM	2	0	0	3	6	6	8	2	2	0	0	0	0	29
Hour Total	2	0	2	11	14	21	23	11	8	1	0	0	0	93
10:00 PM	2	0	0	2	2	5	7	1	1	0	0	0	0	20
10:15 PM	0	0	0	0	1	8	5	0	0	0	0	0	0	14
10:30 PM	0	0	1	0	2	5	3	4	0	0	0	0	0	15
10:45 PM	0	1	1	0	1	3	0	2	0	0	0	0	0	8
Hour Total	2	1	2	2	6	21	15	7	1	0	0	0	0	57
11:00 PM	0	0	1	1	2	2	4	1	0	0	0	0	0	11
11:15 PM	0	1	0	0	4	2	7	2	0	0	0	0	0	16
11:30 PM	0	0	0	2	4	3	1	1	1	1	0	0	0	13
11:45 PM	1	2	0	1	0	0	2	1	0	0	0	0	0	7
Hour Total	1	3	1	4	10	7	14	5	1	1	0	0	0	47
Totals	16	40	101	287	462	667	707	607	224	36	1	0	0	3148

Speed Report - Prepared by: NDS/ATD

North of I-580/Mountain House Parkway interchange and ramps
(Outside lanes only)
Tracy
Project #: 11-7199-002n
Date: 5/4/2011

North Bound

Speed Statistics.

15th Percentile Speed	:	30 MPH
Median Speed (50th percentile)	:	40 MPH
Average Speed - All Vehicles	:	39 MPH
85th Percentile Speed	:	48 MPH
95th Percentile Speed	:	52 MPH
10 MPH Pace Speed	:	35 - 44 MPH
Number of Vehicles in Pace	:	1374
Percentage of Vehicles in Pace	:	43.65%
Number of Vehicles >= 25 MPH	:	2991
Percentage of Vehicles >= 25 MPH	:	95.01%

Speed Report - Prepared by: NDS/ATD

North of I-580/Mountain House Parkway interchange and ramps (Outside lanes only)

Tracy

Project #: 11-7199-002s Date: 5/4/2011 WEDNESDAY

South Bound

Begin Time	5-14	15-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-9999	Total
12:00 AM	0	0	2	2	0	0	0	1	0	0	0	0	0	5
12:15 AM	0	1	4	2	2	2	1	0	0	0	0	0	0	12
12:30 AM	0	0	0	1	1	0	2	0	0	0	0	0	0	4
12:45 AM	0	0	1	2	2	0	0	0	0	0	0	0	0	5
Hour Total	0	1	7	7	5	2	3	1	0	0	0	0	0	26
1:00 AM	0	0	4	2	1	2	0	0	0	0	0	0	0	9
1:15 AM	0	0	2	0	0	0	0	0	0	0	0	0	0	2
1:30 AM	0	0	2	2	1	0	0	0	0	0	0	0	0	5
1:45 AM	0	1	1	3	0	0	1	0	0	0	0	0	0	6
Hour Total	0	1	9	7	2	2	1	0	0	0	0	0	0	22
2:00 AM	0	1	0	2	0	1	2	0	0	0	0	0	0	6
2:15 AM	0	0	1	1	0	1	2	0	0	0	0	0	0	5
2:30 AM	0	0	5	2	1	0	1	0	0	0	0	0	0	9
2:45 AM	0	0	0	2	0	0	0	0	0	0	0	0	0	2
Hour Total	0	1	6	7	1	2	5	0	0	0	0	0	0	22
3:00 AM	0	0	3	5	1	1	0	0	0	0	0	0	0	10
3:15 AM	0	2	4	6	1	1	0	0	1	0	0	0	0	15
3:30 AM	0	1	3	3	1	3	3	0	0	0	0	0	0	14
3:45 AM	0	1	3	1	2	4	5	0	0	0	0	0	0	16
Hour Total	0	4	13	15	5	9	8	0	1	0	0	0	0	55
4:00 AM	0	0	2	3	3	4	4	2	0	0	0	0	0	18
4:15 AM	0	1	7	8	1	9	6	3	1	0	0	0	0	36
4:30 AM	0	0	9	7	4	12	2	1	1	0	0	0	0	36
4:45 AM	0	2	11	7	6	12	4	2	0	1	0	0	0	45
Hour Total	0	3	29	25	14	37	16	8	2	1	0	0	0	135
5:00 AM	0	1	6	9	7	13	14	5	1	0	0	0	0	56
5:15 AM	0	5	8	5	14	23	22	8	1	0	1	0	0	87
5:30 AM	0	0	1	6	15	35	15	4	3	1	1	0	0	81
5:45 AM	0	0	0	7	17	27	16	11	2	1	0	0	0	81
Hour Total	0	6	15	27	53	98	67	28	7	2	2	0	0	305
6:00 AM	0	0	10	2	14	44	32	5	0	1	0	0	0	108
6:15 AM	0	4	1	8	15	26	21	8	1	1	0	0	0	85
6:30 AM	0	0	3	8	10	33	26	5	8	2	0	0	0	95
6:45 AM	0	2	5	9	12	19	16	8	3	1	0	0	0	75
Hour Total	0	6	19	27	51	122	95	26	12	5	0	0	0	363
7:00 AM	0	4	15	5	7	10	21	9	2	1	0	0	0	74
7:15 AM	0	0	9	5	4	14	18	10	1	1	0	0	0	62
7:30 AM	0	1	4	7	8	17	21	1	1	1	0	0	0	61
7:45 AM	0	2	3	4	4	15	6	2	3	1	0	0	0	40
Hour Total	0	7	31	21	23	56	66	22	7	4	0	0	0	237

8:00 AM	0	1	1	4	9	10	14	4	1	0	0	0	0	44
8:15 AM	0	4	8	2	14	12	5	1	0	0	0	0	1	47
8:30 AM	0	1	1	9	16	10	4	1	0	0	0	0	0	42
8:45 AM	1	5	3	9	4	6	10	3	0	0	0	0	0	41
Hour Total	1	11	13	24	43	38	33	9	1	0	0	0	1	174
9:00 AM	0	2	8	6	2	4	10	2	1	0	0	0	0	35
9:15 AM	1	1	2	3	6	2	4	5	1	0	0	0	0	25
9:30 AM	0	1	7	4	3	7	8	2	0	0	0	0	0	32
9:45 AM	1	3	2	9	6	9	8	2	0	0	1	0	0	41
Hour Total	2	7	19	22	17	22	30	11	2	0	1	0	0	133
10:00 AM	0	3	7	5	10	6	2	0	1	0	0	0	0	34
10:15 AM	0	2	10	9	5	4	8	4	1	1	0	0	0	44
10:30 AM	0	1	6	8	6	10	6	2	0	0	0	0	0	39
10:45 AM	0	3	3	3	6	8	7	2	0	0	0	0	0	32
Hour Total	0	9	26	25	27	28	23	8	2	1	0	0	0	149
11:00 AM	2	3	5	4	3	3	6	1	0	0	0	0	0	27
11:15 AM	0	5	8	13	8	3	4	4	1	0	0	0	0	46
11:30 AM	0	1	9	7	5	2	5	2	0	0	0	0	0	31
11:45 AM	0	3	11	5	12	7	3	3	0	0	0	0	0	44
Hour Total	2	12	33	29	28	15	18	10	1	0	0	0	0	148
12:00 PM	0	1	11	8	4	5	7	2	0	0	0	0	0	38
12:15 PM	0	0	11	4	2	3	3	1	0	0	0	0	0	24
12:30 PM	0	1	7	5	5	10	2	3	0	0	0	0	0	33
12:45 PM	0	3	1	6	13	6	2	4	0	0	0	0	0	35
Hour Total	0	5	30	23	24	24	14	10	0	0	0	0	0	130
1:00 PM	0	3	7	3	2	8	2	4	0	0	0	0	0	29
1:15 PM	1	4	10	7	2	6	5	3	1	1	0	0	0	40
1:30 PM	1	2	5	6	4	6	8	3	0	0	0	0	0	35
1:45 PM	0	1	9	3	5	4	3	1	1	0	0	0	0	27
Hour Total	2	10	31	19	13	24	18	11	2	1	0	0	0	131
2:00 PM	0	5	4	7	1	7	6	2	0	0	0	0	0	32
2:15 PM	0	0	3	4	6	11	9	0	1	0	0	0	0	34
2:30 PM	2	1	4	8	9	15	3	2	2	0	0	0	0	46
2:45 PM	0	3	10	6	8	8	3	2	0	0	0	0	0	40
Hour Total	2	9	21	25	24	41	21	6	3	0	0	0	0	152
3:00 PM	1	4	4	3	2	5	9	3	0	0	0	0	0	31
3:15 PM	0	3	8	3	7	6	5	1	0	0	0	0	0	33
3:30 PM	0	1	5	8	4	5	10	2	1	0	0	0	0	36
3:45 PM	0	2	2	2	9	10	7	1	0	0	0	0	0	33
Hour Total	1	10	19	16	22	26	31	7	1	0	0	0	0	133

4:00 PM	0	0	3	3	7	19	7	1	0	0	0	0	0	40
4:15 PM	1	1	2	3	1	12	8	5	0	0	0	0	0	33
4:30 PM	0	2	2	5	7	13	6	4	0	0	0	0	0	39
4:45 PM	0	0	2	8	5	16	5	2	0	0	0	0	0	38
Hour Total	1	3	9	19	20	60	26	12	0	0	0	0	0	150
5:00 PM	1	1	3	3	11	9	8	5	0	0	0	0	0	41
5:15 PM	0	1	7	8	4	5	13	1	0	0	0	0	0	39
5:30 PM	0	1	1	3	3	3	5	5	1	0	0	0	0	22
5:45 PM	0	2	0	1	0	7	6	2	0	0	0	0	0	18
Hour Total	1	5	11	15	18	24	32	13	1	0	0	0	0	120
6:00 PM	0	1	3	2	3	6	2	3	1	0	0	0	0	21
6:15 PM	0	0	2	5	6	5	1	1	1	1	0	0	0	22
6:30 PM	0	1	2	1	4	5	6	1	1	0	0	0	0	21
6:45 PM	2	1	3	3	5	3	0	1	0	0	0	0	0	18
Hour Total	2	3	10	11	18	19	9	6	3	1	0	0	0	82
7:00 PM	0	3	6	2	3	3	0	0	0	0	0	0	0	17
7:15 PM	1	1	9	2	3	3	2	0	0	0	0	0	0	21
7:30 PM	0	0	1	4	1	3	1	0	2	0	0	0	0	12
7:45 PM	0	1	5	2	0	3	2	2	0	0	0	0	0	15
Hour Total	1	5	21	10	7	12	5	2	2	0	0	0	0	65
8:00 PM	0	2	1	4	1	3	4	0	0	0	0	0	0	15
8:15 PM	0	1	5	0	5	2	2	0	0	0	0	0	0	15
8:30 PM	1	0	3	5	2	3	0	0	0	0	0	0	0	14
8:45 PM	0	1	2	0	4	3	1	0	0	0	0	0	0	11
Hour Total	1	4	11	9	12	11	7	0	0	0	0	0	0	55
9:00 PM	0	1	2	1	0	1	1	0	0	0	0	0	0	6
9:15 PM	0	1	3	2	2	4	4	2	0	0	0	0	0	18
9:30 PM	1	0	3	7	2	4	0	1	0	0	0	0	0	18
9:45 PM	0	0	0	1	1	1	1	0	0	0	0	0	0	4
Hour Total	1	2	8	11	5	10	6	3	0	0	0	0	0	46
10:00 PM	0	2	0	2	0	2	2	0	0	0	0	0	0	8
10:15 PM	1	1	5	3	3	6	6	0	1	0	0	0	0	26
10:30 PM	0	0	3	0	3	1	2	0	0	0	0	0	0	9
10:45 PM	0	0	1	2	2	1	2	1	0	0	1	0	0	10
Hour Total	1	3	9	7	8	10	12	1	1	0	1	0	0	53
11:00 PM	0	0	1	1	1	2	2	0	0	0	0	0	0	7
11:15 PM	0	0	2	3	1	4	0	1	0	0	0	0	0	11
11:30 PM	0	0	0	0	0	4	2	1	0	0	0	0	0	7
11:45 PM	0	1	5	0	2	1	0	0	0	0	0	0	0	9
Hour Total	0	1	8	4	4	11	4	2	0	0	0	0	0	34
Totals	18	128	408	405	444	703	550	196	48	15	4	0	1	2920

Speed Report - Prepared by: NDS/ATD

North of I-580/Mountain House Parkway interchange and ramps
(Outside lanes only)
Tracy
Project #: 11-7199-002s
Date: 5/4/2011

South Bound

Speed Statistics.

15th Percentile Speed	:	24 MPH
Median Speed (50th percentile)	:	35 MPH
Average Speed - All Vehicles	:	34 MPH
85th Percentile Speed	:	43 MPH
95th Percentile Speed	:	48 MPH
10 MPH Pace Speed	:	35 - 44 MPH
Number of Vehicles in Pace	:	1253
Percentage of Vehicles in Pace	:	42.91%
Number of Vehicles >= 25 MPH	:	2366
Percentage of Vehicles >= 25 MPH	:	81.03%

Speed Report - Prepared by: NDS/ATD

North of I-580/Mountain House Parkway interchange and ramps (Outside lanes only)

Tracy

Project #: 11-7199-002s Date: 5/4/2011 WEDNESDAY

North Bound, South Bound

Begin Time	5-14	15-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-9999	Total
12:00 AM	0	0	3	4	1	4	5	2	0	0	0	0	0	19
12:15 AM	0	3	5	5	6	4	4	2	0	0	0	0	0	29
12:30 AM	0	0	0	1	1	2	4	4	0	0	0	0	0	12
12:45 AM	0	0	1	2	4	2	0	0	0	0	0	0	0	9
Hour Total	0	3	9	12	12	12	13	8	0	0	0	0	0	69
1:00 AM	0	0	5	7	4	2	3	0	0	0	0	0	0	21
1:15 AM	0	0	5	2	2	7	2	2	0	0	0	0	0	20
1:30 AM	0	0	2	4	3	2	0	1	0	0	0	0	0	12
1:45 AM	0	1	5	6	3	0	2	1	1	0	0	0	0	19
Hour Total	0	1	17	19	12	11	7	4	1	0	0	0	0	72
2:00 AM	0	2	2	3	2	7	7	3	1	0	0	0	0	27
2:15 AM	0	0	1	5	2	8	6	5	0	0	0	0	0	27
2:30 AM	0	0	5	3	4	7	7	6	0	0	0	0	0	32
2:45 AM	0	0	3	5	2	4	3	6	0	0	0	0	0	23
Hour Total	0	2	11	16	10	26	23	20	1	0	0	0	0	109
3:00 AM	0	0	3	9	5	10	3	0	0	0	0	0	0	30
3:15 AM	0	2	5	10	4	1	6	1	2	0	0	0	0	31
3:30 AM	0	1	4	3	6	6	5	0	1	0	0	0	0	26
3:45 AM	1	1	4	5	4	10	8	1	0	1	0	0	0	35
Hour Total	1	4	16	27	19	27	22	2	3	1	0	0	0	122
4:00 AM	0	0	4	4	9	11	7	3	0	0	0	0	0	38
4:15 AM	1	1	7	11	7	12	11	5	1	0	0	0	0	56
4:30 AM	0	0	9	10	10	18	5	4	1	0	0	0	0	57
4:45 AM	0	2	11	11	11	17	10	8	1	1	0	0	0	72
Hour Total	1	3	31	36	37	58	33	20	3	1	0	0	0	223
5:00 AM	0	1	9	12	15	18	20	6	4	0	0	0	0	85
5:15 AM	1	6	9	8	20	35	32	11	2	0	1	0	0	125
5:30 AM	0	2	2	13	24	50	35	8	3	1	1	0	0	139
5:45 AM	0	3	3	22	26	36	27	17	4	3	0	0	0	141
Hour Total	1	12	23	55	85	139	114	42	13	4	2	0	0	490
6:00 AM	0	1	12	13	23	50	38	7	2	1	0	0	0	147
6:15 AM	0	4	6	14	23	35	24	10	1	1	0	0	0	118
6:30 AM	0	0	5	13	20	44	34	13	8	2	0	0	0	139
6:45 AM	0	3	13	14	23	24	24	12	4	1	0	0	0	118
Hour Total	0	8	36	54	89	153	120	42	15	5	0	0	0	522
7:00 AM	0	6	18	13	13	17	30	10	2	1	0	0	0	110
7:15 AM	1	0	14	13	11	20	20	14	2	1	0	0	0	96
7:30 AM	1	2	5	16	19	22	30	3	2	3	0	0	0	103
7:45 AM	0	2	6	8	12	20	14	9	3	1	0	0	0	75
Hour Total	2	10	43	50	55	79	94	36	9	6	0	0	0	384

8:00 AM	0	1	3	12	15	11	20	14	3	0	0	0	0	79
8:15 AM	0	6	10	6	18	18	10	4	0	0	0	0	1	73
8:30 AM	0	1	2	11	20	16	9	2	0	0	0	0	0	61
8:45 AM	3	6	5	13	8	16	14	5	0	0	0	0	0	70
Hour Total	3	14	20	42	61	61	53	25	3	0	0	0	1	283
9:00 AM	0	2	9	9	12	11	13	5	1	0	0	0	0	62
9:15 AM	3	1	4	4	14	10	7	6	1	0	0	0	0	50
9:30 AM	0	1	8	10	12	11	15	8	0	1	0	0	0	66
9:45 AM	1	4	3	14	12	17	11	4	0	0	1	0	0	67
Hour Total	4	8	24	37	50	49	46	23	2	1	1	0	0	245
10:00 AM	0	4	7	10	14	9	3	3	1	0	0	0	0	51
10:15 AM	0	4	10	12	12	11	15	5	1	2	0	0	0	72
10:30 AM	0	4	7	9	11	14	9	5	0	0	0	0	0	59
10:45 AM	0	3	5	9	13	20	12	4	1	0	0	0	0	67
Hour Total	0	15	29	40	50	54	39	17	3	2	0	0	0	249
11:00 AM	2	3	5	7	14	11	12	7	0	0	0	0	0	61
11:15 AM	0	6	8	17	16	17	13	7	1	0	0	0	0	85
11:30 AM	0	1	10	10	11	23	14	7	0	0	0	0	0	76
11:45 AM	0	3	11	10	17	22	11	8	2	0	0	0	0	84
Hour Total	2	13	34	44	58	73	50	29	3	0	0	0	0	306
12:00 PM	0	1	13	9	12	12	16	6	0	1	0	0	0	70
12:15 PM	0	0	12	8	12	9	13	3	2	0	0	0	0	59
12:30 PM	0	1	8	7	13	19	4	6	0	0	0	0	0	58
12:45 PM	0	3	1	8	16	21	4	10	0	0	0	0	0	63
Hour Total	0	5	34	32	53	61	37	25	2	1	0	0	0	250
1:00 PM	0	3	7	10	5	21	4	10	3	0	0	0	0	63
1:15 PM	1	6	10	9	11	12	12	7	1	1	0	0	0	70
1:30 PM	1	4	5	8	13	10	19	6	0	0	0	0	0	66
1:45 PM	0	1	9	6	11	13	8	4	1	0	0	0	0	53
Hour Total	2	14	31	33	40	56	43	27	5	1	0	0	0	252
2:00 PM	0	6	5	10	7	18	13	4	3	1	0	0	0	67
2:15 PM	0	1	4	6	13	20	13	2	3	1	0	0	0	63
2:30 PM	2	1	5	11	14	21	10	12	6	2	0	0	0	84
2:45 PM	0	3	10	7	13	23	22	14	6	0	0	0	0	98
Hour Total	2	11	24	34	47	82	58	32	18	4	0	0	0	312
3:00 PM	1	4	4	6	4	15	16	15	6	0	0	0	0	71
3:15 PM	0	3	10	4	10	21	18	14	5	0	0	0	0	85
3:30 PM	0	1	5	12	7	13	21	17	9	0	0	0	0	85
3:45 PM	0	2	5	8	15	20	14	19	7	1	0	0	0	91
Hour Total	1	10	24	30	36	69	69	65	27	1	0	0	0	332

4:00 PM	0	0	3	4	11	26	25	15	8	1	0	0	0	93
4:15 PM	1	1	2	4	5	20	28	27	20	2	0	0	0	110
4:30 PM	1	2	3	6	11	26	29	27	9	2	0	0	0	116
4:45 PM	0	0	2	8	7	23	26	29	20	5	0	0	0	120
Hour Total	2	3	10	22	34	95	108	98	57	10	0	0	0	439
5:00 PM	1	1	6	5	17	24	24	26	7	3	0	0	0	114
5:15 PM	0	3	9	9	9	10	34	35	8	1	0	0	0	118
5:30 PM	0	1	2	5	6	9	35	39	15	0	0	0	0	112
5:45 PM	0	2	0	2	5	19	30	30	11	1	1	0	0	101
Hour Total	1	7	17	21	37	62	123	130	41	5	1	0	0	445
6:00 PM	0	1	3	2	5	11	12	32	12	5	0	0	0	83
6:15 PM	0	0	3	6	6	15	24	18	11	2	0	0	0	85
6:30 PM	0	3	3	2	8	10	13	18	7	0	0	0	0	64
6:45 PM	2	1	3	4	9	12	13	10	2	0	0	0	0	56
Hour Total	2	5	12	14	28	48	62	78	32	7	0	0	0	288
7:00 PM	0	3	6	5	4	12	10	14	5	0	0	0	0	59
7:15 PM	1	1	9	3	5	8	11	8	4	0	0	0	0	50
7:30 PM	0	0	1	5	2	5	6	6	3	0	0	0	0	28
7:45 PM	1	1	5	4	5	12	8	8	2	0	0	0	0	46
Hour Total	2	5	21	17	16	37	35	36	14	0	0	0	0	183
8:00 PM	0	3	1	7	6	11	10	7	4	0	0	0	0	49
8:15 PM	0	1	6	2	8	6	7	3	0	0	0	0	0	33
8:30 PM	1	0	3	7	6	13	13	4	2	0	0	0	0	49
8:45 PM	0	1	3	2	10	8	4	1	3	0	0	0	0	32
Hour Total	1	5	13	18	30	38	34	15	9	0	0	0	0	163
9:00 PM	0	1	2	3	2	9	9	3	4	1	0	0	0	34
9:15 PM	0	1	3	5	7	6	7	6	2	0	0	0	0	37
9:30 PM	1	0	5	10	3	9	4	3	0	0	0	0	0	35
9:45 PM	2	0	0	4	7	7	9	2	2	0	0	0	0	33
Hour Total	3	2	10	22	19	31	29	14	8	1	0	0	0	139
10:00 PM	2	2	0	4	2	7	9	1	1	0	0	0	0	28
10:15 PM	1	1	5	3	4	14	11	0	1	0	0	0	0	40
10:30 PM	0	0	4	0	5	6	5	4	0	0	0	0	0	24
10:45 PM	0	1	2	2	3	4	2	3	0	0	1	0	0	18
Hour Total	3	4	11	9	14	31	27	8	2	0	1	0	0	110
11:00 PM	0	0	2	2	3	4	6	1	0	0	0	0	0	18
11:15 PM	0	1	2	3	5	6	7	3	0	0	0	0	0	27
11:30 PM	0	0	0	2	4	7	3	2	1	1	0	0	0	20
11:45 PM	1	3	5	1	2	1	2	1	0	0	0	0	0	16
Hour Total	1	4	9	8	14	18	18	7	1	1	0	0	0	81
Totals	34	168	509	692	906	1370	1257	803	272	51	5	0	1	6068

Speed Report - Prepared by: NDS/ATD

North of I-580/Mountain House Parkway interchange and ramps
(Outside lanes only)
Tracy
Project #: 11-7199-002s
Date: 5/4/2011

North Bound, South Bound

Speed Statistics.

15th Percentile Speed	:	26 MPH
Median Speed (50th percentile)	:	38 MPH
Average Speed - All Vehicles	:	37 MPH
85th Percentile Speed	:	46 MPH
95th Percentile Speed	:	50 MPH
10 MPH Pace Speed	:	35 - 44 MPH
Number of Vehicles in Pace	:	2627
Percentage of Vehicles in Pace	:	43.29%
Number of Vehicles >= 25 MPH	:	5357
Percentage of Vehicles >= 25 MPH	:	88.28%

5/4/2011 City: Tracy Project #: 11-7199-002s

Location: North of I-580/Mountain House Parkway interchange and ramps (Outside lanes only)

Start	Southbound		Hour Totals		Northbound		Hour Totals		Combined Totals	
Time	Morning	Afternoon	Morning	Afternoon	Morning	Afternoon	Morning	Afternoon	Morning	Afternoon
12:00	5	38			14	32				
12:15	12	24			17	35				
12:30	4	33			8	25				
12:45	5	35	26	130	4	28	43	120	69	250
1:00	9	29			12	34				
1:15	2	40			18	30				
1:30	5	35			7	31				
1:45	6	27	22	131	13	26	50	121	72	252
2:00	6	32			21	35				
2:15	5	34			22	29				
2:30	9	46			23	38				
2:45	2	40	22	152	21	58	87	160	109	312
3:00	10	31			20	40				
3:15	15	33			16	52				
3:30	14	36			12	49				
3:45	16	33	55	133	19	58	67	199	122	332
4:00	18	40			20	53				
4:15	36	33			20	77				
4:30	36	39			21	77				
4:45	45	38	135	150	27	82	88	289	223	439
5:00	56	41			29	73				
5:15	87	39			38	79				
5:30	81	22			58	90				
5:45	81	18	305	120	60	83	185	325	490	445
6:00	108	21			39	62				
6:15	85	22			33	63				
6:30	95	21			44	43				
6:45	75	18	363	82	43	38	159	206	522	288
7:00	74	17			36	42				
7:15	62	21			34	29				
7:30	61	12			42	16				
7:45	40	15	237	65	35	31	147	118	384	183
8:00	44	15			35	34				
8:15	47	15			26	18				
8:30	42	14			19	35				
8:45	41	11	174	55	29	21	109	108	283	163
9:00	35	6			27	28				
9:15	25	18			25	19				
9:30	32	18			34	17				
9:45	41	4	133	46	26	29	112	93	245	139
10:00	34	8			17	20				
10:15	44	26			28	14				
10:30	39	9			20	15				
10:45	32	10	149	53	35	8	100	57	249	110
11:00	27	7			34	11				
11:15	46	11			39	16				
11:30	31	7			45	13				
11:45	44	9	148	34	40	7	158	47	306	81
Total	1769	1151	1769	1151	1305	1843	1305	1843	3074	2994
Combined Total	2920		2920		3148		3148		6068	
AM Peak	5:45 AM				5:15 AM					
Vol.	369				195					
P.H.F.	0.854				0.813					
PM Peak		4:30 PM				5:00 PM				
Vol.		157				325				
P.H.F.		0.957				0.903				
Percentage	60.6%	39.4%			41.5%	58.5%				

Speed Report - Prepared by: NDS/ATD

North of I-580/Mountain House Parkway interchange and ramps (Inside lanes only)

Tracy

Project #: 11-7199-002n Date: 5/5/2011 THURSDAY

North Bound

Begin Time	5-14	15-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-9999	Total
12:00 AM	0	0	1	1	0	1	0	0	0	0	0	0	0	3
12:15 AM	0	0	1	1	1	1	1	0	0	0	0	0	0	5
12:30 AM	0	0	1	1	0	2	2	0	0	0	0	0	0	6
12:45 AM	0	0	0	0	2	1	2	1	0	0	0	0	0	6
Hour Total	0	0	3	3	3	5	5	1	0	0	0	0	0	20
1:00 AM	0	0	0	0	2	2	2	6	1	0	0	0	0	13
1:15 AM	0	0	1	2	1	1	0	1	0	0	0	0	0	6
1:30 AM	0	0	0	0	1	0	0	0	0	0	0	0	0	1
1:45 AM	0	0	0	0	0	0	2	0	0	0	0	0	0	2
Hour Total	0	0	1	2	4	3	4	7	1	0	0	0	0	22
2:00 AM	0	0	0	1	0	1	1	0	0	0	0	0	0	3
2:15 AM	0	0	0	0	1	0	1	0	0	0	0	0	0	2
2:30 AM	0	0	0	0	1	1	1	1	0	0	0	0	0	4
2:45 AM	0	0	0	1	2	3	2	0	0	0	0	0	0	8
Hour Total	0	0	0	2	4	5	5	1	0	0	0	0	0	17
3:00 AM	0	0	0	0	1	0	0	0	0	0	0	0	0	1
3:15 AM	0	0	0	1	1	0	2	0	0	0	0	0	0	4
3:30 AM	0	0	0	0	3	0	2	0	0	0	0	0	0	5
3:45 AM	0	0	1	1	2	2	0	0	0	0	0	0	0	6
Hour Total	0	0	1	2	7	2	4	0	0	0	0	0	0	16
4:00 AM	0	0	0	0	0	1	1	2	1	0	0	0	0	5
4:15 AM	0	0	0	2	3	2	1	1	0	0	0	0	0	9
4:30 AM	0	0	0	0	2	1	1	2	0	0	0	0	0	6
4:45 AM	0	0	0	0	2	7	3	3	2	1	0	0	0	18
Hour Total	0	0	0	2	7	11	6	8	3	1	0	0	0	38
5:00 AM	0	0	0	1	4	4	3	1	1	0	0	0	0	14
5:15 AM	0	0	0	0	2	6	3	1	0	0	0	0	0	12
5:30 AM	0	0	0	5	2	2	4	3	1	0	0	0	0	17
5:45 AM	0	0	0	2	1	7	3	6	1	0	0	0	0	20
Hour Total	0	0	0	8	9	19	13	11	3	0	0	0	0	63
6:00 AM	0	0	0	0	1	4	9	3	0	0	0	0	0	17
6:15 AM	0	0	2	2	5	3	8	5	0	0	0	0	0	25
6:30 AM	0	0	0	2	3	5	6	5	0	0	0	0	0	21
6:45 AM	0	0	0	2	5	8	7	3	1	0	0	0	0	26
Hour Total	0	0	2	6	14	20	30	16	1	0	0	0	0	89
7:00 AM	0	0	0	2	3	2	6	1	2	0	0	0	0	16
7:15 AM	0	0	0	0	1	10	12	2	0	0	0	0	0	25
7:30 AM	0	0	0	1	2	7	6	3	1	0	0	0	0	20
7:45 AM	0	0	0	1	4	4	7	7	3	0	0	0	0	26
Hour Total	0	0	0	4	10	23	31	13	6	0	0	0	0	87

8:00 AM	0	0	0	2	4	8	4	1	0	0	0	0	0	19
8:15 AM	0	0	0	2	4	10	7	1	0	0	0	0	0	24
8:30 AM	0	0	0	3	1	2	2	4	1	1	0	0	0	14
8:45 AM	0	0	0	0	5	5	6	4	0	0	0	0	0	20
Hour Total	0	0	0	7	14	25	19	10	1	1	0	0	0	77
9:00 AM	0	0	0	1	6	4	1	1	2	0	0	0	0	15
9:15 AM	0	0	0	1	4	2	5	2	0	0	0	0	0	14
9:30 AM	0	0	1	1	1	9	5	1	1	0	0	0	0	19
9:45 AM	0	0	0	1	6	6	6	2	1	1	0	0	0	23
Hour Total	0	0	1	4	17	21	17	6	4	1	0	0	0	71
10:00 AM	0	0	0	0	3	6	3	0	0	0	0	0	0	12
10:15 AM	0	0	0	2	2	6	2	4	1	0	0	0	0	17
10:30 AM	0	0	0	0	5	9	11	4	0	1	0	0	0	30
10:45 AM	0	0	0	0	1	4	5	1	2	0	0	0	0	13
Hour Total	0	0	0	2	11	25	21	9	3	1	0	0	0	72
11:00 AM	0	0	0	3	2	5	6	4	0	0	0	0	0	20
11:15 AM	0	0	0	1	1	4	3	1	0	0	0	0	0	10
11:30 AM	0	0	0	0	3	7	3	6	1	0	0	0	0	20
11:45 AM	0	0	0	0	2	2	5	1	1	0	0	0	0	11
Hour Total	0	0	0	4	8	18	17	12	2	0	0	0	0	61
12:00 PM	0	0	1	1	0	9	7	4	1	0	0	0	0	23
12:15 PM	0	0	1	0	2	4	8	3	0	0	0	0	0	18
12:30 PM	0	0	0	0	3	5	5	5	3	0	0	0	0	21
12:45 PM	0	0	0	0	4	7	2	3	0	0	0	0	0	16
Hour Total	0	0	2	1	9	25	22	15	4	0	0	0	0	78
1:00 PM	0	0	0	0	4	7	8	8	0	0	0	0	0	27
1:15 PM	0	0	0	1	2	10	12	2	3	1	0	0	0	31
1:30 PM	0	0	0	0	3	7	14	10	1	2	0	0	0	37
1:45 PM	0	0	0	0	3	5	7	4	1	0	0	0	0	20
Hour Total	0	0	0	1	12	29	41	24	5	3	0	0	0	115
2:00 PM	0	0	1	0	5	6	6	4	0	0	0	0	0	22
2:15 PM	0	0	0	0	4	7	7	5	1	0	0	0	0	24
2:30 PM	0	0	0	0	1	8	9	11	1	3	1	0	0	34
2:45 PM	0	0	0	0	3	5	5	4	4	0	0	0	0	21
Hour Total	0	0	1	0	13	26	27	24	6	3	1	0	0	101
3:00 PM	0	0	0	3	1	10	9	8	4	0	0	0	0	35
3:15 PM	0	0	0	0	4	7	11	8	4	0	0	0	0	34
3:30 PM	0	0	0	0	2	9	16	18	1	0	0	0	0	46
3:45 PM	0	0	0	1	5	3	15	7	6	0	1	0	0	38
Hour Total	0	0	0	4	12	29	51	41	15	0	1	0	0	153

4:00 PM	0	0	0	0	10	7	12	8	6	1	0	0	0	44
4:15 PM	0	0	0	1	4	2	13	14	5	0	0	0	0	39
4:30 PM	0	0	0	0	0	3	13	13	2	2	0	0	0	33
4:45 PM	0	0	1	1	0	3	9	16	4	0	0	0	0	34
Hour Total	0	0	1	2	14	15	47	51	17	3	0	0	0	150
5:00 PM	0	0	0	1	2	2	13	12	8	1	0	0	0	39
5:15 PM	0	0	0	0	1	3	9	13	11	0	0	0	0	37
5:30 PM	0	0	0	0	0	3	14	12	10	1	0	0	0	40
5:45 PM	0	0	0	0	1	7	9	10	5	1	0	0	0	33
Hour Total	0	0	0	1	4	15	45	47	34	3	0	0	0	149
6:00 PM	0	0	0	0	2	4	6	11	3	1	0	0	0	27
6:15 PM	0	0	0	0	1	3	6	5	2	0	0	0	0	17
6:30 PM	0	0	0	0	0	2	4	5	4	1	0	0	0	16
6:45 PM	0	0	0	0	0	3	6	2	1	1	0	0	0	13
Hour Total	0	0	0	0	3	12	22	23	10	3	0	0	0	73
7:00 PM	0	0	0	0	0	7	7	4	2	0	0	0	0	20
7:15 PM	0	0	0	0	0	0	3	6	0	0	1	0	0	10
7:30 PM	0	1	0	1	3	3	1	3	2	0	0	0	0	14
7:45 PM	0	0	0	0	0	0	3	2	1	0	0	0	0	6
Hour Total	0	1	0	1	3	10	14	15	5	0	1	0	0	50
8:00 PM	0	0	0	0	0	1	3	2	1	1	0	0	0	8
8:15 PM	0	0	0	0	2	5	8	1	0	0	0	0	0	16
8:30 PM	0	0	1	0	2	4	3	1	0	0	0	0	0	11
8:45 PM	0	0	1	0	1	1	2	3	0	0	0	0	0	8
Hour Total	0	0	2	0	5	11	16	7	1	1	0	0	0	43
9:00 PM	0	1	0	1	0	1	3	3	0	0	0	0	0	9
9:15 PM	0	0	0	1	0	1	3	1	1	0	0	0	0	7
9:30 PM	0	0	0	0	1	4	4	1	0	0	0	0	0	10
9:45 PM	0	0	0	1	3	5	2	1	0	0	0	0	0	12
Hour Total	0	1	0	3	4	11	12	6	1	0	0	0	0	38
10:00 PM	0	1	0	1	2	3	6	1	0	1	1	0	0	16
10:15 PM	0	0	0	0	0	2	1	1	0	0	0	0	0	4
10:30 PM	0	0	0	1	2	1	3	1	0	0	0	0	0	8
10:45 PM	0	0	0	1	1	0	1	0	0	0	0	0	0	3
Hour Total	0	1	0	3	5	6	11	3	0	1	1	0	0	31
11:00 PM	0	0	0	1	0	3	2	1	0	0	0	0	0	7
11:15 PM	0	0	0	0	0	0	2	2	0	0	0	0	0	4
11:30 PM	0	0	1	1	0	2	0	1	0	0	0	0	0	5
11:45 PM	0	0	0	0	3	0	1	0	1	0	0	0	0	5
Hour Total	0	0	1	2	3	5	5	4	1	0	0	0	0	21
Totals	0	3	15	64	195	371	485	354	123	21	4	0	0	1635

Speed Report - Prepared by: NDS/ATD

North of I-580/Mountain House Parkway interchange and ramps
(Inside lanes only)
Tracy
Project #: 11-7199-002n
Date: 5/5/2011

North Bound

Speed Statistics.

15th Percentile Speed	:	34 MPH
Median Speed (50th percentile)	:	42 MPH
Average Speed - All Vehicles	:	41 MPH
85th Percentile Speed	:	49 MPH
95th Percentile Speed	:	53 MPH
10 MPH Pace Speed	:	35 - 44 MPH
Number of Vehicles in Pace	:	856
Percentage of Vehicles in Pace	:	52.35%
Number of Vehicles >= 25 MPH	:	1617
Percentage of Vehicles >= 25 MPH	:	98.90%

Speed Report - Prepared by: NDS/ATD

North of I-580/Mountain House Parkway interchange and ramps (Inside lanes only)

Tracy

Project #: 11-7199-002s Date: 5/5/2011 THURSDAY

South Bound

Begin Time	5-14	15-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-9999	Total
12:00 AM	0	0	0	1	2	6	1	0	0	0	0	0	0	10
12:15 AM	0	1	0	2	3	2	0	1	0	0	0	0	0	9
12:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12:45 AM	0	0	1	2	1	1	1	0	0	0	0	0	0	6
Hour Total	0	1	1	5	6	9	2	1	0	0	0	0	0	25
1:00 AM	0	0	0	0	0	1	0	0	0	1	0	0	0	2
1:15 AM	0	0	0	1	1	2	0	0	0	0	0	0	0	4
1:30 AM	0	0	0	0	3	2	1	0	0	0	0	0	0	6
1:45 AM	0	0	0	1	0	1	0	2	0	0	0	0	0	4
Hour Total	0	0	0	2	4	6	1	2	0	1	0	0	0	16
2:00 AM	0	0	0	1	3	2	3	0	0	0	0	0	0	9
2:15 AM	0	0	1	1	1	0	1	0	0	0	0	0	0	4
2:30 AM	0	1	1	1	1	3	3	0	0	0	0	0	0	10
2:45 AM	0	0	0	0	0	1	2	0	0	0	0	0	0	3
Hour Total	0	1	2	3	5	6	9	0	0	0	0	0	0	26
3:00 AM	0	0	1	0	0	0	1	0	0	0	0	0	0	2
3:15 AM	0	0	2	3	1	2	0	0	0	0	0	0	0	8
3:30 AM	0	0	0	0	0	3	2	0	0	0	0	0	0	5
3:45 AM	0	1	2	2	0	2	3	3	0	0	0	0	0	13
Hour Total	0	1	5	5	1	7	6	3	0	0	0	0	0	28
4:00 AM	0	0	3	2	3	4	2	0	0	0	0	0	0	14
4:15 AM	0	0	1	2	3	2	3	5	2	0	0	0	0	18
4:30 AM	0	0	1	1	2	7	6	4	1	1	0	0	0	23
4:45 AM	0	1	0	4	3	4	11	4	1	1	0	1	0	30
Hour Total	0	1	5	9	11	17	22	13	4	2	0	1	0	85
5:00 AM	0	0	1	1	0	3	9	8	3	1	0	0	0	26
5:15 AM	0	0	1	0	1	5	17	7	7	1	0	0	0	39
5:30 AM	0	0	0	0	6	9	26	11	3	2	0	1	0	58
5:45 AM	0	0	1	4	7	10	25	17	7	5	0	0	0	76
Hour Total	0	0	3	5	14	27	77	43	20	9	0	1	0	199
6:00 AM	0	0	2	0	4	9	32	12	11	5	0	0	0	75
6:15 AM	0	0	2	7	5	15	48	22	9	4	0	0	0	112
6:30 AM	0	0	5	0	1	21	42	26	18	6	1	0	0	120
6:45 AM	0	0	3	4	4	10	33	22	14	2	0	0	0	92
Hour Total	0	0	12	11	14	55	155	82	52	17	1	0	0	399
7:00 AM	0	0	1	8	5	9	38	17	12	6	1	0	0	97
7:15 AM	0	0	0	2	4	8	34	16	9	1	0	0	0	74
7:30 AM	0	0	3	4	4	10	23	23	10	3	1	0	0	81
7:45 AM	0	0	0	4	3	9	21	8	6	3	0	0	0	54
Hour Total	0	0	4	18	16	36	116	64	37	13	2	0	0	306

8:00 AM	0	0	4	0	7	5	7	6	4	0	2	0	0	35
8:15 AM	0	1	0	7	1	4	9	6	2	1	0	0	0	31
8:30 AM	0	1	2	3	8	7	7	6	2	0	1	0	0	37
8:45 AM	0	1	1	1	2	4	9	3	2	0	0	0	0	23
Hour Total	0	3	7	11	18	20	32	21	10	1	3	0	0	126
9:00 AM	0	0	1	3	3	0	2	7	0	0	1	0	0	17
9:15 AM	0	0	2	6	6	3	10	5	1	0	0	0	0	33
9:30 AM	0	0	1	1	4	9	6	2	2	1	0	0	0	26
9:45 AM	0	0	3	1	2	3	7	1	1	0	0	0	0	18
Hour Total	0	0	7	11	15	15	25	15	4	1	1	0	0	94
10:00 AM	0	0	3	3	13	7	5	3	2	0	0	0	0	36
10:15 AM	0	0	2	4	3	3	2	3	0	0	0	0	0	17
10:30 AM	0	0	1	1	3	8	3	3	0	1	0	0	0	20
10:45 AM	0	0	4	6	3	2	5	3	1	0	0	0	0	24
Hour Total	0	0	10	14	22	20	15	12	3	1	0	0	0	97
11:00 AM	0	0	1	3	3	1	7	4	3	0	0	0	0	22
11:15 AM	0	0	0	3	4	8	8	4	1	1	0	0	0	29
11:30 AM	0	0	4	1	6	6	5	4	1	1	0	0	0	28
11:45 AM	0	1	1	3	3	2	5	0	0	0	0	0	0	15
Hour Total	0	1	6	10	16	17	25	12	5	2	0	0	0	94
12:00 PM	0	0	1	3	7	5	8	5	1	0	0	0	0	30
12:15 PM	0	1	3	6	4	9	5	2	1	0	0	0	0	31
12:30 PM	0	1	1	5	8	2	6	4	0	0	0	0	0	27
12:45 PM	0	1	0	2	5	6	7	4	2	0	0	0	0	27
Hour Total	0	3	5	16	24	22	26	15	4	0	0	0	0	115
1:00 PM	0	0	2	3	3	2	8	4	1	1	1	0	0	25
1:15 PM	0	0	5	3	6	8	4	2	0	0	0	0	0	28
1:30 PM	0	0	1	3	6	10	3	4	0	0	0	0	0	27
1:45 PM	0	0	3	3	2	3	4	3	1	0	0	0	0	19
Hour Total	0	0	11	12	17	23	19	13	2	1	1	0	0	99
2:00 PM	0	0	1	2	8	10	5	0	0	0	0	0	0	26
2:15 PM	0	1	3	1	4	7	4	3	1	1	0	0	0	25
2:30 PM	0	0	2	5	11	13	1	4	2	0	0	0	0	38
2:45 PM	1	1	1	1	1	10	6	1	0	0	0	0	0	22
Hour Total	1	2	7	9	24	40	16	8	3	1	0	0	0	111
3:00 PM	0	0	1	2	6	16	2	2	2	1	0	0	0	32
3:15 PM	0	0	2	3	5	7	6	3	0	0	0	0	0	26
3:30 PM	0	0	1	0	6	10	13	5	1	0	0	0	0	36
3:45 PM	1	1	4	0	3	3	6	4	3	0	0	0	0	25
Hour Total	1	1	8	5	20	36	27	14	6	1	0	0	0	119

4:00 PM	0	0	5	2	3	7	7	5	1	1	0	0	0	31
4:15 PM	0	1	3	1	5	9	9	3	1	0	0	0	0	32
4:30 PM	0	0	5	2	3	13	10	5	1	0	1	0	0	40
4:45 PM	0	0	2	0	2	9	7	1	1	0	0	0	0	22
Hour Total	0	1	15	5	13	38	33	14	4	1	1	0	0	125
5:00 PM	0	0	5	2	3	9	6	1	2	0	0	0	0	28
5:15 PM	0	0	1	0	4	7	9	7	1	0	0	0	0	29
5:30 PM	0	1	0	0	3	11	9	2	0	0	0	0	0	26
5:45 PM	0	1	2	1	2	2	3	5	0	1	0	0	0	17
Hour Total	0	2	8	3	12	29	27	15	3	1	0	0	0	100
6:00 PM	0	1	1	3	0	3	4	3	1	0	0	0	0	16
6:15 PM	0	0	0	1	4	3	6	5	1	0	0	0	0	20
6:30 PM	0	0	0	0	1	3	3	5	1	0	0	0	0	13
6:45 PM	0	0	0	1	4	4	3	3	0	0	0	0	0	15
Hour Total	0	1	1	5	9	13	16	16	3	0	0	0	0	64
7:00 PM	0	0	4	1	2	9	4	1	1	0	0	0	0	22
7:15 PM	0	0	1	0	4	9	7	1	0	0	0	0	0	22
7:30 PM	0	0	0	0	4	5	1	0	1	0	0	0	0	11
7:45 PM	0	0	0	0	0	2	1	4	0	1	0	0	0	8
Hour Total	0	0	5	1	10	25	13	6	2	1	0	0	0	63
8:00 PM	0	1	0	0	3	2	3	1	0	0	0	0	0	10
8:15 PM	0	1	0	2	1	0	1	3	0	0	0	0	0	8
8:30 PM	0	0	1	2	4	6	2	0	1	0	0	0	0	16
8:45 PM	0	0	0	0	1	2	3	2	0	0	0	0	0	8
Hour Total	0	2	1	4	9	10	9	6	1	0	0	0	0	42
9:00 PM	0	0	1	0	1	2	2	2	1	0	0	0	0	9
9:15 PM	0	0	0	0	1	0	1	1	2	0	0	0	0	5
9:30 PM	0	0	0	1	1	5	1	1	0	0	0	0	0	9
9:45 PM	0	0	0	0	2	0	0	3	1	0	0	0	0	6
Hour Total	0	0	1	1	5	7	4	7	4	0	0	0	0	29
10:00 PM	0	1	0	0	2	2	4	2	1	0	0	0	0	12
10:15 PM	0	0	1	3	3	3	2	1	1	0	0	0	0	14
10:30 PM	0	3	1	0	1	4	3	2	2	0	0	0	0	16
10:45 PM	0	0	0	1	4	4	3	0	1	0	0	0	0	13
Hour Total	0	4	2	4	10	13	12	5	5	0	0	0	0	55
11:00 PM	0	0	1	0	2	12	2	1	0	0	0	0	0	18
11:15 PM	0	0	0	2	2	2	3	0	0	0	0	0	0	9
11:30 PM	0	0	1	1	2	2	0	0	0	0	0	0	0	6
11:45 PM	0	0	0	1	2	2	1	1	0	0	0	0	0	7
Hour Total	0	0	2	4	8	18	6	2	0	0	0	0	0	40
Totals	2	24	128	173	303	509	693	389	172	53	9	2	0	2457

Speed Report - Prepared by: NDS/ATD

North of I-580/Mountain House Parkway interchange and ramps
(Inside lanes only)
Tracy
Project #: 11-7199-002s
Date: 5/5/2011

South Bound

Speed Statistics.

15th Percentile Speed	:	31 MPH
Median Speed (50th percentile)	:	41 MPH
Average Speed - All Vehicles	:	40 MPH
85th Percentile Speed	:	48 MPH
95th Percentile Speed	:	53 MPH
10 MPH Pace Speed	:	35 - 44 MPH
Number of Vehicles in Pace	:	1202
Percentage of Vehicles in Pace	:	48.92%
Number of Vehicles >= 25 MPH	:	2303
Percentage of Vehicles >= 25 MPH	:	93.73%

Speed Report - Prepared by: NDS/ATD

North of I-580/Mountain House Parkway interchange and ramps (Inside lanes only)

Tracy

Project #: 11-7199-002s Date: 5/5/2011 THURSDAY

North Bound, South Bound

Begin Time	5-14	15-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-9999	Total
12:00 AM	0	0	1	2	2	7	1	0	0	0	0	0	0	13
12:15 AM	0	1	1	3	4	3	1	1	0	0	0	0	0	14
12:30 AM	0	0	1	1	0	2	2	0	0	0	0	0	0	6
12:45 AM	0	0	1	2	3	2	3	1	0	0	0	0	0	12
Hour Total	0	1	4	8	9	14	7	2	0	0	0	0	0	45
1:00 AM	0	0	0	0	2	3	2	6	1	1	0	0	0	15
1:15 AM	0	0	1	3	2	3	0	1	0	0	0	0	0	10
1:30 AM	0	0	0	0	4	2	1	0	0	0	0	0	0	7
1:45 AM	0	0	0	1	0	1	2	2	0	0	0	0	0	6
Hour Total	0	0	1	4	8	9	5	9	1	1	0	0	0	38
2:00 AM	0	0	0	2	3	3	4	0	0	0	0	0	0	12
2:15 AM	0	0	1	1	2	0	2	0	0	0	0	0	0	6
2:30 AM	0	1	1	1	2	4	4	1	0	0	0	0	0	14
2:45 AM	0	0	0	1	2	4	4	0	0	0	0	0	0	11
Hour Total	0	1	2	5	9	11	14	1	0	0	0	0	0	43
3:00 AM	0	0	1	0	1	0	1	0	0	0	0	0	0	3
3:15 AM	0	0	2	4	2	2	2	0	0	0	0	0	0	12
3:30 AM	0	0	0	0	3	3	4	0	0	0	0	0	0	10
3:45 AM	0	1	3	3	2	4	3	3	0	0	0	0	0	19
Hour Total	0	1	6	7	8	9	10	3	0	0	0	0	0	44
4:00 AM	0	0	3	2	3	5	3	2	1	0	0	0	0	19
4:15 AM	0	0	1	4	6	4	4	6	2	0	0	0	0	27
4:30 AM	0	0	1	1	4	8	7	6	1	1	0	0	0	29
4:45 AM	0	1	0	4	5	11	14	7	3	2	0	1	0	48
Hour Total	0	1	5	11	18	28	28	21	7	3	0	1	0	123
5:00 AM	0	0	1	2	4	7	12	9	4	1	0	0	0	40
5:15 AM	0	0	1	0	3	11	20	8	7	1	0	0	0	51
5:30 AM	0	0	0	5	8	11	30	14	4	2	0	1	0	75
5:45 AM	0	0	1	6	8	17	28	23	8	5	0	0	0	96
Hour Total	0	0	3	13	23	46	90	54	23	9	0	1	0	262
6:00 AM	0	0	2	0	5	13	41	15	11	5	0	0	0	92
6:15 AM	0	0	4	9	10	18	56	27	9	4	0	0	0	137
6:30 AM	0	0	5	2	4	26	48	31	18	6	1	0	0	141
6:45 AM	0	0	3	6	9	18	40	25	15	2	0	0	0	118
Hour Total	0	0	14	17	28	75	185	98	53	17	1	0	0	488
7:00 AM	0	0	1	10	8	11	44	18	14	6	1	0	0	113
7:15 AM	0	0	0	2	5	18	46	18	9	1	0	0	0	99
7:30 AM	0	0	3	5	6	17	29	26	11	3	1	0	0	101
7:45 AM	0	0	0	5	7	13	28	15	9	3	0	0	0	80
Hour Total	0	0	4	22	26	59	147	77	43	13	2	0	0	393

8:00 AM	0	0	4	2	11	13	11	7	4	0	2	0	0	54
8:15 AM	0	1	0	9	5	14	16	7	2	1	0	0	0	55
8:30 AM	0	1	2	6	9	9	9	10	3	1	1	0	0	51
8:45 AM	0	1	1	1	7	9	15	7	2	0	0	0	0	43
Hour Total	0	3	7	18	32	45	51	31	11	2	3	0	0	203
9:00 AM	0	0	1	4	9	4	3	8	2	0	1	0	0	32
9:15 AM	0	0	2	7	10	5	15	7	1	0	0	0	0	47
9:30 AM	0	0	2	2	5	18	11	3	3	1	0	0	0	45
9:45 AM	0	0	3	2	8	9	13	3	2	1	0	0	0	41
Hour Total	0	0	8	15	32	36	42	21	8	2	1	0	0	165
10:00 AM	0	0	3	3	16	13	8	3	2	0	0	0	0	48
10:15 AM	0	0	2	6	5	9	4	7	1	0	0	0	0	34
10:30 AM	0	0	1	1	8	17	14	7	0	2	0	0	0	50
10:45 AM	0	0	4	6	4	6	10	4	3	0	0	0	0	37
Hour Total	0	0	10	16	33	45	36	21	6	2	0	0	0	169
11:00 AM	0	0	1	6	5	6	13	8	3	0	0	0	0	42
11:15 AM	0	0	0	4	5	12	11	5	1	1	0	0	0	39
11:30 AM	0	0	4	1	9	13	8	10	2	1	0	0	0	48
11:45 AM	0	1	1	3	5	4	10	1	1	0	0	0	0	26
Hour Total	0	1	6	14	24	35	42	24	7	2	0	0	0	155
12:00 PM	0	0	2	4	7	14	15	9	2	0	0	0	0	53
12:15 PM	0	1	4	6	6	13	13	5	1	0	0	0	0	49
12:30 PM	0	1	1	5	11	7	11	9	3	0	0	0	0	48
12:45 PM	0	1	0	2	9	13	9	7	2	0	0	0	0	43
Hour Total	0	3	7	17	33	47	48	30	8	0	0	0	0	193
1:00 PM	0	0	2	3	7	9	16	12	1	1	1	0	0	52
1:15 PM	0	0	5	4	8	18	16	4	3	1	0	0	0	59
1:30 PM	0	0	1	3	9	17	17	14	1	2	0	0	0	64
1:45 PM	0	0	3	3	5	8	11	7	2	0	0	0	0	39
Hour Total	0	0	11	13	29	52	60	37	7	4	1	0	0	214
2:00 PM	0	0	2	2	13	16	11	4	0	0	0	0	0	48
2:15 PM	0	1	3	1	8	14	11	8	2	1	0	0	0	49
2:30 PM	0	0	2	5	12	21	10	15	3	3	1	0	0	72
2:45 PM	1	1	1	1	4	15	11	5	4	0	0	0	0	43
Hour Total	1	2	8	9	37	66	43	32	9	4	1	0	0	212
3:00 PM	0	0	1	5	7	26	11	10	6	1	0	0	0	67
3:15 PM	0	0	2	3	9	14	17	11	4	0	0	0	0	60
3:30 PM	0	0	1	0	8	19	29	23	2	0	0	0	0	82
3:45 PM	1	1	4	1	8	6	21	11	9	0	1	0	0	63
Hour Total	1	1	8	9	32	65	78	55	21	1	1	0	0	272

4:00 PM	0	0	5	2	13	14	19	13	7	2	0	0	0	75
4:15 PM	0	1	3	2	9	11	22	17	6	0	0	0	0	71
4:30 PM	0	0	5	2	3	16	23	18	3	2	1	0	0	73
4:45 PM	0	0	3	1	2	12	16	17	5	0	0	0	0	56
Hour Total	0	1	16	7	27	53	80	65	21	4	1	0	0	275
5:00 PM	0	0	5	3	5	11	19	13	10	1	0	0	0	67
5:15 PM	0	0	1	0	5	10	18	20	12	0	0	0	0	66
5:30 PM	0	1	0	0	3	14	23	14	10	1	0	0	0	66
5:45 PM	0	1	2	1	3	9	12	15	5	2	0	0	0	50
Hour Total	0	2	8	4	16	44	72	62	37	4	0	0	0	249
6:00 PM	0	1	1	3	2	7	10	14	4	1	0	0	0	43
6:15 PM	0	0	0	1	5	6	12	10	3	0	0	0	0	37
6:30 PM	0	0	0	0	1	5	7	10	5	1	0	0	0	29
6:45 PM	0	0	0	1	4	7	9	5	1	1	0	0	0	28
Hour Total	0	1	1	5	12	25	38	39	13	3	0	0	0	137
7:00 PM	0	0	4	1	2	16	11	5	3	0	0	0	0	42
7:15 PM	0	0	1	0	4	9	10	7	0	0	1	0	0	32
7:30 PM	0	1	0	1	7	8	2	3	3	0	0	0	0	25
7:45 PM	0	0	0	0	0	2	4	6	1	1	0	0	0	14
Hour Total	0	1	5	2	13	35	27	21	7	1	1	0	0	113
8:00 PM	0	1	0	0	3	3	6	3	1	1	0	0	0	18
8:15 PM	0	1	0	2	3	5	9	4	0	0	0	0	0	24
8:30 PM	0	0	2	2	6	10	5	1	1	0	0	0	0	27
8:45 PM	0	0	1	0	2	3	5	5	0	0	0	0	0	16
Hour Total	0	2	3	4	14	21	25	13	2	1	0	0	0	85
9:00 PM	0	1	1	1	1	3	5	5	1	0	0	0	0	18
9:15 PM	0	0	0	1	1	1	4	2	3	0	0	0	0	12
9:30 PM	0	0	0	1	2	9	5	2	0	0	0	0	0	19
9:45 PM	0	0	0	1	5	5	2	4	1	0	0	0	0	18
Hour Total	0	1	1	4	9	18	16	13	5	0	0	0	0	67
10:00 PM	0	2	0	1	4	5	10	3	1	1	1	0	0	28
10:15 PM	0	0	1	3	3	5	3	2	1	0	0	0	0	18
10:30 PM	0	3	1	1	3	5	6	3	2	0	0	0	0	24
10:45 PM	0	0	0	2	5	4	4	0	1	0	0	0	0	16
Hour Total	0	5	2	7	15	19	23	8	5	1	1	0	0	86
11:00 PM	0	0	1	1	2	15	4	2	0	0	0	0	0	25
11:15 PM	0	0	0	2	2	2	5	2	0	0	0	0	0	13
11:30 PM	0	0	2	2	2	4	0	1	0	0	0	0	0	11
11:45 PM	0	0	0	1	5	2	2	1	1	0	0	0	0	12
Hour Total	0	0	3	6	11	23	11	6	1	0	0	0	0	61
Totals	2	27	143	237	498	880	1178	743	295	74	13	2	0	4092

Speed Report - Prepared by: NDS/ATD

North of I-580/Mountain House Parkway interchange and ramps
(Inside lanes only)
Tracy
Project #: 11-7199-002s
Date: 5/5/2011

North Bound, South Bound

Speed Statistics.

15th Percentile Speed	:	32 MPH
Median Speed (50th percentile)	:	41 MPH
Average Speed - All Vehicles	:	40 MPH
85th Percentile Speed	:	48 MPH
95th Percentile Speed	:	53 MPH
10 MPH Pace Speed	:	35 - 44 MPH
Number of Vehicles in Pace	:	2058
Percentage of Vehicles in Pace	:	50.29%
Number of Vehicles >= 25 MPH	:	3920
Percentage of Vehicles >= 25 MPH	:	95.80%

5/5/2011 City: Tracy Project #: 11-7199-002s

Location: North of I-580/Mountain House Parkway interchange and ramps (Inside lanes only)

Start	Southbound		Hour Totals		Northbound		Hour Totals		Combined Totals	
Time	Morning	Afternoon	Morning	Afternoon	Morning	Afternoon	Morning	Afternoon	Morning	Afternoon
12:00	10	30			3	23				
12:15	9	31			5	18				
12:30	0	27			6	21				
12:45	6	27	25	115	6	16	20	78	45	193
1:00	2	25			13	27				
1:15	4	28			6	31				
1:30	6	27			1	37				
1:45	4	19	16	99	2	20	22	115	38	214
2:00	9	26			3	22				
2:15	4	25			2	24				
2:30	10	38			4	34				
2:45	3	22	26	111	8	21	17	101	43	212
3:00	2	32			1	35				
3:15	8	26			4	34				
3:30	5	36			5	46				
3:45	13	25	28	119	6	38	16	153	44	272
4:00	14	31			5	44				
4:15	18	32			9	39				
4:30	23	40			6	33				
4:45	30	22	85	125	18	34	38	150	123	275
5:00	26	28			14	39				
5:15	39	29			12	37				
5:30	58	26			17	40				
5:45	76	17	199	100	20	33	63	149	262	249
6:00	75	16			17	27				
6:15	112	20			25	17				
6:30	120	13			21	16				
6:45	92	15	399	64	26	13	89	73	488	137
7:00	97	22			16	20				
7:15	74	22			25	10				
7:30	81	11			20	14				
7:45	54	8	306	63	26	6	87	50	393	113
8:00	35	10			19	8				
8:15	31	8			24	16				
8:30	37	16			14	11				
8:45	23	8	126	42	20	8	77	43	203	85
9:00	17	9			15	9				
9:15	33	5			14	7				
9:30	26	9			19	10				
9:45	18	6	94	29	23	12	71	38	165	67
10:00	36	12			12	16				
10:15	17	14			17	4				
10:30	20	16			30	8				
10:45	24	13	97	55	13	3	72	31	169	86
11:00	22	18			20	7				
11:15	29	9			10	4				
11:30	28	6			20	5				
11:45	15	7	94	40	11	5	61	21	155	61
Total	1495	962	1495	962	633	1002	633	1002	2128	1964
Combined Total	2457		2457		1635		1635		4092	
AM Peak	6:15 AM				7:15 AM					
Vol.	421				90					
P.H.F.	0.877				0.865					
PM Peak		3:45 PM				3:30 PM				
Vol.		128				167				
P.H.F.		0.800				0.908				
Percentage	60.8%	39.2%			38.7%	61.3%				

Speed Report - Prepared by: NDS/ATD

North of I-580/Mountain House Parkway interchange and ramps (Inside lanes only)

Tracy

Project #: 11-7199-002n Date: 5/4/2011 WEDNESDAY

North Bound

Begin Time	5-14	15-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-9999	Total
12:00 AM	0	0	0	0	1	2	1	1	0	0	0	0	0	5
12:15 AM	0	0	0	0	1	4	1	0	0	0	0	0	0	6
12:30 AM	0	0	0	1	3	1	0	0	0	0	0	0	0	5
12:45 AM	0	0	0	0	0	3	0	0	0	0	0	0	0	3
Hour Total	0	0	0	1	5	10	2	1	0	0	0	0	0	19
1:00 AM	0	0	1	1	3	0	1	2	1	0	0	0	0	9
1:15 AM	0	0	0	2	0	2	0	0	0	0	0	0	0	4
1:30 AM	0	0	0	1	0	0	1	0	0	0	0	0	0	2
1:45 AM	0	0	1	1	1	0	0	2	0	0	0	0	0	5
Hour Total	0	0	2	5	4	2	2	4	1	0	0	0	0	20
2:00 AM	0	0	1	0	1	1	1	2	0	0	0	0	0	6
2:15 AM	0	0	0	0	1	1	0	0	0	0	0	0	0	2
2:30 AM	0	0	0	2	1	3	1	0	0	0	0	0	0	7
2:45 AM	0	0	0	1	2	1	1	0	0	0	0	0	0	5
Hour Total	0	0	1	3	5	6	3	2	0	0	0	0	0	20
3:00 AM	0	0	0	0	0	2	0	0	0	0	0	0	0	2
3:15 AM	0	0	0	1	0	0	4	2	2	0	0	0	0	9
3:30 AM	0	0	0	0	2	0	3	0	0	0	0	0	0	5
3:45 AM	0	0	0	0	2	2	1	0	0	0	0	0	0	5
Hour Total	0	0	0	1	4	4	8	2	2	0	0	0	0	21
4:00 AM	0	0	0	2	3	1	2	0	0	0	0	0	0	8
4:15 AM	0	0	1	0	2	2	2	0	0	0	0	0	0	7
4:30 AM	0	0	0	0	0	5	4	1	0	0	0	0	0	10
4:45 AM	0	0	0	0	3	5	9	3	0	0	0	0	0	20
Hour Total	0	0	1	2	8	13	17	4	0	0	0	0	0	45
5:00 AM	0	0	0	0	3	3	4	2	1	0	0	0	0	13
5:15 AM	0	1	0	2	1	2	3	1	0	0	0	0	0	10
5:30 AM	0	0	0	3	5	4	6	4	1	0	0	0	0	23
5:45 AM	0	0	1	2	2	8	8	4	1	0	0	0	0	26
Hour Total	0	1	1	7	11	17	21	11	3	0	0	0	0	72
6:00 AM	0	0	0	4	2	6	3	1	1	1	0	0	0	18
6:15 AM	0	0	0	0	4	8	8	4	1	1	0	0	0	26
6:30 AM	0	0	0	1	4	4	10	1	1	0	0	0	0	21
6:45 AM	0	0	0	3	4	10	7	5	2	0	0	0	0	31
Hour Total	0	0	0	8	14	28	28	11	5	2	0	0	0	96
7:00 AM	0	0	0	0	2	5	8	2	1	0	0	0	0	18
7:15 AM	0	0	2	0	4	8	11	5	2	0	0	0	0	32
7:30 AM	0	0	0	0	2	6	10	4	1	0	0	0	0	23
7:45 AM	0	0	0	1	2	3	8	4	0	0	0	0	0	18
Hour Total	0	0	2	1	10	22	37	15	4	0	0	0	0	91

8:00 AM	0	0	0	1	3	4	3	6	3	0	0	0	0	20
8:15 AM	0	0	1	1	3	7	7	1	1	1	0	0	0	22
8:30 AM	0	0	0	0	2	6	3	1	1	0	0	0	0	13
8:45 AM	0	0	0	0	2	4	6	2	0	0	0	0	0	14
Hour Total	0	0	1	2	10	21	19	10	5	1	0	0	0	69
9:00 AM	0	0	1	0	4	3	7	0	0	0	0	0	0	15
9:15 AM	0	0	0	0	3	4	1	2	0	0	0	0	0	10
9:30 AM	0	0	1	2	6	1	2	1	0	0	0	0	0	13
9:45 AM	0	0	1	1	6	6	3	1	1	0	0	0	0	19
Hour Total	0	0	3	3	19	14	13	4	1	0	0	0	0	57
10:00 AM	0	0	0	1	7	3	4	4	0	0	0	0	0	19
10:15 AM	0	0	0	0	1	5	3	2	0	1	0	0	0	12
10:30 AM	0	0	1	0	3	4	4	2	0	0	0	0	0	14
10:45 AM	0	0	0	0	5	4	5	0	0	0	0	0	0	14
Hour Total	0	0	1	1	16	16	16	8	0	1	0	0	0	59
11:00 AM	0	0	0	1	2	2	5	1	0	0	0	0	0	11
11:15 AM	0	0	0	0	3	8	1	1	0	0	0	0	0	13
11:30 AM	0	0	0	1	5	6	9	1	0	0	0	0	0	22
11:45 AM	0	0	0	0	3	5	7	4	1	0	0	0	0	20
Hour Total	0	0	0	2	13	21	22	7	1	0	0	0	0	66
12:00 PM	0	0	0	0	2	3	9	5	0	1	0	0	0	20
12:15 PM	0	0	0	3	1	2	5	4	1	0	0	0	0	16
12:30 PM	0	0	0	0	3	7	3	0	1	0	0	0	0	14
12:45 PM	0	0	0	0	4	7	2	4	2	0	0	0	0	19
Hour Total	0	0	0	3	10	19	19	13	4	1	0	0	0	69
1:00 PM	0	0	0	0	2	4	3	3	0	0	0	0	0	12
1:15 PM	0	0	0	0	3	3	8	4	1	0	0	0	0	19
1:30 PM	0	0	0	0	2	9	6	9	3	0	0	0	0	29
1:45 PM	0	0	0	0	4	8	4	1	1	0	0	0	0	18
Hour Total	0	0	0	0	11	24	21	17	5	0	0	0	0	78
2:00 PM	0	0	1	0	3	6	3	5	2	0	0	0	0	20
2:15 PM	0	0	0	0	3	9	2	3	1	0	0	0	0	18
2:30 PM	0	0	0	0	2	9	10	14	5	0	0	0	0	40
2:45 PM	0	0	0	3	4	4	9	6	1	2	0	0	0	29
Hour Total	0	0	1	3	12	28	24	28	9	2	0	0	0	107
3:00 PM	0	0	0	2	2	3	7	4	1	1	0	0	0	20
3:15 PM	0	0	0	0	0	9	4	8	1	0	0	0	0	22
3:30 PM	0	0	0	0	2	11	12	9	2	1	0	0	0	37
3:45 PM	0	0	0	2	0	3	14	14	4	0	0	0	0	37
Hour Total	0	0	0	4	4	26	37	35	8	2	0	0	0	116

4:00 PM	0	0	0	2	2	5	9	10	2	1	0	0	0	31
4:15 PM	0	0	0	0	6	3	12	11	7	1	0	0	0	40
4:30 PM	0	0	0	2	1	5	14	14	4	1	1	0	0	42
4:45 PM	0	0	0	0	3	6	13	12	6	0	0	0	0	40
Hour Total	0	0	0	4	12	19	48	47	19	3	1	0	0	153
5:00 PM	0	0	0	0	2	9	10	14	8	2	0	0	0	45
5:15 PM	0	0	0	0	0	5	13	12	6	1	0	0	0	37
5:30 PM	0	0	0	0	2	7	10	14	1	2	0	0	0	36
5:45 PM	0	0	0	0	1	7	8	15	4	1	0	0	0	36
Hour Total	0	0	0	0	5	28	41	55	19	6	0	0	0	154
6:00 PM	0	0	0	0	0	2	6	3	2	0	0	0	0	13
6:15 PM	0	0	1	0	0	1	11	8	2	0	0	0	0	23
6:30 PM	0	0	0	0	1	3	1	2	1	0	0	0	0	8
6:45 PM	0	0	0	1	0	6	1	2	0	1	1	0	0	12
Hour Total	0	0	1	1	1	12	19	15	5	1	1	0	0	56
7:00 PM	0	0	0	0	3	2	5	8	1	0	0	0	0	19
7:15 PM	0	0	0	0	2	1	1	5	1	0	0	0	0	10
7:30 PM	0	0	0	0	2	1	2	0	0	0	0	0	0	5
7:45 PM	0	0	0	0	1	0	3	2	1	0	0	0	0	7
Hour Total	0	0	0	0	8	4	11	15	3	0	0	0	0	41
8:00 PM	0	1	0	1	1	2	3	4	1	0	0	0	0	13
8:15 PM	0	0	1	0	5	0	4	0	0	0	0	0	0	10
8:30 PM	0	0	0	0	0	1	2	0	0	0	0	0	0	3
8:45 PM	0	0	0	1	1	6	1	0	0	0	0	0	0	9
Hour Total	0	1	1	2	7	9	10	4	1	0	0	0	0	35
9:00 PM	0	0	0	1	0	1	5	1	0	0	0	0	0	8
9:15 PM	0	0	0	2	1	1	1	0	0	0	0	0	0	5
9:30 PM	0	0	0	0	0	0	1	3	0	0	0	0	0	4
9:45 PM	0	0	0	1	1	3	2	1	0	0	0	0	0	8
Hour Total	0	0	0	4	2	5	9	5	0	0	0	0	0	25
10:00 PM	0	0	0	1	4	4	6	3	2	0	0	0	0	20
10:15 PM	0	0	0	0	0	4	2	3	1	0	0	0	0	10
10:30 PM	0	0	0	0	0	1	0	0	0	0	0	0	0	1
10:45 PM	0	0	0	0	0	2	0	1	0	1	0	0	0	4
Hour Total	0	0	0	1	4	11	8	7	3	1	0	0	0	35
11:00 PM	0	0	1	0	2	3	1	1	0	0	0	0	0	8
11:15 PM	0	0	0	0	0	0	1	0	0	0	0	0	0	1
11:30 PM	0	0	0	0	1	1	3	0	0	1	0	0	0	6
11:45 PM	1	0	0	1	3	0	0	1	0	0	0	0	0	6
Hour Total	1	0	1	1	6	4	5	2	0	1	0	0	0	21
Totals	1	2	16	59	201	363	440	322	98	21	2	0	0	1525

Speed Report - Prepared by: NDS/ATD

North of I-580/Mountain House Parkway interchange and ramps
(Inside lanes only)
Tracy
Project #: 11-7199-002n
Date: 5/4/2011

North Bound

Speed Statistics.

15th Percentile Speed	:	34 MPH
Median Speed (50th percentile)	:	41 MPH
Average Speed - All Vehicles	:	41 MPH
85th Percentile Speed	:	48 MPH
95th Percentile Speed	:	52 MPH
10 MPH Pace Speed	:	35 - 44 MPH
Number of Vehicles in Pace	:	803
Percentage of Vehicles in Pace	:	52.66%
Number of Vehicles >= 25 MPH	:	1506
Percentage of Vehicles >= 25 MPH	:	98.75%

Speed Report - Prepared by: NDS/ATD

North of I-580/Mountain House Parkway interchange and ramps (Inside lanes only)

Tracy

Project #: 11-7199-002s Date: 5/4/2011 WEDNESDAY

South Bound

Begin Time	5-14	15-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-9999	Total
12:00 AM	0	0	0	0	1	8	2	1	0	0	0	0	0	12
12:15 AM	0	0	0	0	1	2	3	1	0	0	0	0	0	7
12:30 AM	0	0	0	0	0	4	2	0	0	0	0	0	0	6
12:45 AM	0	0	0	0	4	1	0	1	0	0	0	0	0	6
Hour Total	0	0	0	0	6	15	7	3	0	0	0	0	0	31
1:00 AM	0	0	0	0	2	3	1	0	0	0	0	0	0	6
1:15 AM	0	0	0	0	0	0	1	0	0	0	0	0	0	1
1:30 AM	0	0	0	0	1	1	0	0	0	0	0	0	0	2
1:45 AM	0	1	1	1	1	1	0	0	0	0	0	0	0	5
Hour Total	0	1	1	1	4	5	2	0	0	0	0	0	0	14
2:00 AM	0	1	0	1	3	3	1	1	0	0	0	0	0	10
2:15 AM	0	0	0	1	1	0	1	0	0	1	0	0	0	4
2:30 AM	0	0	1	1	0	2	3	2	0	0	0	0	0	9
2:45 AM	0	1	0	1	2	1	2	0	0	0	0	0	0	7
Hour Total	0	2	1	4	6	6	7	3	0	1	0	0	0	30
3:00 AM	0	0	1	2	3	2	1	1	0	0	0	0	0	10
3:15 AM	0	1	0	1	3	4	1	2	0	0	0	0	0	12
3:30 AM	0	0	0	2	2	5	5	0	1	0	0	0	0	15
3:45 AM	0	0	0	0	1	0	2	1	0	0	0	0	0	4
Hour Total	0	1	1	5	9	11	9	4	1	0	0	0	0	41
4:00 AM	0	0	0	1	1	3	7	0	1	0	0	0	0	13
4:15 AM	0	1	1	0	5	1	3	2	0	0	0	0	0	13
4:30 AM	0	0	2	0	2	12	6	8	1	0	0	0	0	31
4:45 AM	0	0	0	5	6	9	5	4	2	1	0	0	0	32
Hour Total	0	1	3	6	14	25	21	14	4	1	0	0	0	89
5:00 AM	0	0	1	2	4	10	6	7	5	0	0	0	0	35
5:15 AM	0	0	1	3	1	13	10	6	2	3	0	0	0	39
5:30 AM	0	0	1	1	2	16	14	15	4	1	1	0	0	55
5:45 AM	0	0	0	2	8	9	30	23	7	0	0	0	0	79
Hour Total	0	0	3	8	15	48	60	51	18	4	1	0	0	208
6:00 AM	0	2	0	3	9	9	29	14	9	2	1	0	1	79
6:15 AM	0	1	7	4	6	24	30	24	8	3	1	0	0	108
6:30 AM	0	0	2	13	13	21	39	17	18	6	3	0	0	132
6:45 AM	0	0	0	2	3	10	47	40	14	3	1	0	0	120
Hour Total	0	3	9	22	31	64	145	95	49	14	6	0	1	439
7:00 AM	0	1	2	1	6	11	41	32	7	4	0	1	0	106
7:15 AM	0	0	1	3	3	9	27	19	8	4	0	1	0	75
7:30 AM	0	1	0	3	2	15	24	10	6	4	1	0	0	66
7:45 AM	0	0	1	2	4	11	22	13	7	1	0	0	0	61
Hour Total	0	2	4	9	15	46	114	74	28	13	1	2	0	308

8:00 AM	0	2	7	1	4	6	14	10	3	0	1	0	0	48
8:15 AM	0	0	0	1	3	2	11	9	0	0	0	0	0	26
8:30 AM	0	1	0	8	5	8	10	4	3	0	0	0	0	39
8:45 AM	0	1	9	3	5	3	6	5	3	1	0	0	0	36
Hour Total	0	4	16	13	17	19	41	28	9	1	1	0	0	149
9:00 AM	0	1	1	2	2	3	1	8	2	0	0	0	0	20
9:15 AM	0	0	0	5	5	5	4	2	3	0	0	0	0	24
9:30 AM	0	0	0	4	3	5	4	4	0	0	0	0	0	20
9:45 AM	0	0	2	0	4	2	1	3	0	0	0	0	0	12
Hour Total	0	1	3	11	14	15	10	17	5	0	0	0	0	76
10:00 AM	0	0	2	6	2	4	3	0	0	0	0	0	0	17
10:15 AM	0	1	3	4	8	2	6	1	4	0	0	0	0	29
10:30 AM	0	0	0	3	4	5	1	0	3	0	0	0	0	16
10:45 AM	0	0	2	5	7	3	4	3	0	0	0	0	0	24
Hour Total	0	1	7	18	21	14	14	4	7	0	0	0	0	86
11:00 AM	0	0	3	2	5	4	7	2	2	0	0	0	0	25
11:15 AM	0	1	0	3	1	3	5	4	0	0	0	0	0	17
11:30 AM	0	0	2	7	4	7	6	1	1	0	0	0	0	28
11:45 AM	0	0	3	3	5	5	5	0	0	0	0	0	0	21
Hour Total	0	1	8	15	15	19	23	7	3	0	0	0	0	91
12:00 PM	0	0	1	1	0	10	8	1	2	0	0	0	0	23
12:15 PM	0	0	4	4	2	9	5	3	1	0	0	0	0	28
12:30 PM	0	1	2	2	4	8	2	4	2	0	0	0	0	25
12:45 PM	0	0	3	1	6	3	5	2	0	0	0	0	0	20
Hour Total	0	1	10	8	12	30	20	10	5	0	0	0	0	96
1:00 PM	0	1	2	1	6	8	6	5	0	0	0	0	0	29
1:15 PM	0	0	4	4	5	6	5	6	2	0	0	0	0	32
1:30 PM	0	0	0	3	1	12	7	3	1	0	0	0	0	27
1:45 PM	0	0	1	2	9	1	3	3	0	0	0	0	0	19
Hour Total	0	1	7	10	21	27	21	17	3	0	0	0	0	107
2:00 PM	0	1	2	2	5	5	7	2	1	0	0	0	0	25
2:15 PM	0	0	2	1	2	7	8	1	0	1	0	0	0	22
2:30 PM	0	0	1	1	16	29	9	2	1	0	0	0	0	59
2:45 PM	0	0	0	3	2	7	7	1	0	0	0	0	0	20
Hour Total	0	1	5	7	25	48	31	6	2	1	0	0	0	126
3:00 PM	0	1	0	1	5	5	8	1	1	0	0	0	0	22
3:15 PM	0	0	1	1	4	8	8	3	0	0	0	0	0	25
3:30 PM	0	0	2	0	6	11	10	3	0	0	0	0	0	32
3:45 PM	0	1	0	1	3	3	7	0	1	0	0	0	0	16
Hour Total	0	2	3	3	18	27	33	7	2	0	0	0	0	95

4:00 PM	0	0	0	0	3	16	12	2	1	0	0	0	0	34
4:15 PM	0	0	0	3	3	5	7	10	1	1	0	0	0	30
4:30 PM	0	0	2	3	2	8	8	4	0	0	0	0	0	27
4:45 PM	0	0	2	8	6	6	8	2	0	1	0	0	0	33
Hour Total	0	0	4	14	14	35	35	18	2	2	0	0	0	124
5:00 PM	0	0	2	3	2	15	13	4	2	1	0	0	0	42
5:15 PM	0	0	0	2	1	6	15	5	1	0	0	0	0	30
5:30 PM	0	0	0	1	3	7	7	4	0	0	0	0	0	22
5:45 PM	0	0	3	2	1	1	5	3	0	0	1	0	0	16
Hour Total	0	0	5	8	7	29	40	16	3	1	1	0	0	110
6:00 PM	0	0	0	1	0	6	6	1	1	0	0	0	0	15
6:15 PM	0	0	0	2	3	0	3	1	1	0	1	0	0	11
6:30 PM	0	0	0	0	1	2	1	2	0	0	0	0	0	6
6:45 PM	0	1	0	0	1	1	0	5	2	1	0	0	0	11
Hour Total	0	1	0	3	5	9	10	9	4	1	1	0	0	43
7:00 PM	0	0	1	1	0	4	5	1	0	0	0	0	0	12
7:15 PM	0	0	1	1	1	2	2	0	1	0	0	0	0	8
7:30 PM	0	0	0	1	1	5	1	0	0	0	0	0	0	8
7:45 PM	0	0	0	1	1	2	0	3	0	0	0	0	0	7
Hour Total	0	0	2	4	3	13	8	4	1	0	0	0	0	35
8:00 PM	0	0	1	0	0	3	6	0	0	1	0	0	0	11
8:15 PM	0	0	0	3	2	2	2	1	0	0	0	0	0	10
8:30 PM	0	0	0	0	3	0	3	0	1	0	0	0	0	7
8:45 PM	0	0	1	2	4	2	1	4	2	0	0	0	0	16
Hour Total	0	0	2	5	9	7	12	5	3	1	0	0	0	44
9:00 PM	0	0	4	2	1	2	0	2	0	1	0	0	0	12
9:15 PM	0	0	0	2	0	1	0	0	1	0	0	0	0	4
9:30 PM	0	0	0	2	0	1	0	0	0	0	0	0	0	3
9:45 PM	0	0	0	0	0	1	3	1	0	0	0	0	0	5
Hour Total	0	0	4	6	1	5	3	3	1	1	0	0	0	24
10:00 PM	0	1	0	1	3	1	3	0	0	0	0	0	0	9
10:15 PM	0	0	0	1	2	1	4	0	1	0	0	0	0	9
10:30 PM	0	0	0	2	0	5	2	2	0	0	0	0	0	11
10:45 PM	0	0	0	1	0	2	3	2	0	0	1	0	0	9
Hour Total	0	1	0	5	5	9	12	4	1	0	1	0	0	38
11:00 PM	0	0	0	0	1	3	3	1	0	0	0	0	0	8
11:15 PM	0	0	3	1	1	0	2	0	0	0	0	0	0	7
11:30 PM	0	0	0	0	1	6	3	1	0	0	0	0	0	11
11:45 PM	0	1	0	3	3	3	1	0	0	0	0	0	0	11
Hour Total	0	1	3	4	6	12	9	2	0	0	0	0	0	37
Totals	0	25	101	189	293	538	687	401	151	41	12	2	1	2441

Speed Report - Prepared by: NDS/ATD

North of I-580/Mountain House Parkway interchange and ramps
(Inside lanes only)
Tracy
Project #: 11-7199-002s
Date: 5/4/2011

South Bound

Speed Statistics.

15th Percentile Speed	:	31 MPH
Median Speed (50th percentile)	:	41 MPH
Average Speed - All Vehicles	:	40 MPH
85th Percentile Speed	:	48 MPH
95th Percentile Speed	:	53 MPH
10 MPH Pace Speed	:	35 - 44 MPH
Number of Vehicles in Pace	:	1225
Percentage of Vehicles in Pace	:	50.18%
Number of Vehicles >= 25 MPH	:	2315
Percentage of Vehicles >= 25 MPH	:	94.84%

Speed Report - Prepared by: NDS/ATD

North of I-580/Mountain House Parkway interchange and ramps (Inside lanes only)

Tracy

Project #: 11-7199-002s Date: 5/4/2011 WEDNESDAY

North Bound, South Bound

Begin Time	5-14	15-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-9999	Total
12:00 AM	0	0	0	0	2	10	3	2	0	0	0	0	0	17
12:15 AM	0	0	0	0	2	6	4	1	0	0	0	0	0	13
12:30 AM	0	0	0	1	3	5	2	0	0	0	0	0	0	11
12:45 AM	0	0	0	0	4	4	0	1	0	0	0	0	0	9
Hour Total	0	0	0	1	11	25	9	4	0	0	0	0	0	50
1:00 AM	0	0	1	1	5	3	2	2	1	0	0	0	0	15
1:15 AM	0	0	0	2	0	2	1	0	0	0	0	0	0	5
1:30 AM	0	0	0	1	1	1	1	0	0	0	0	0	0	4
1:45 AM	0	1	2	2	2	1	0	2	0	0	0	0	0	10
Hour Total	0	1	3	6	8	7	4	4	1	0	0	0	0	34
2:00 AM	0	1	1	1	4	4	2	3	0	0	0	0	0	16
2:15 AM	0	0	0	1	2	1	1	0	0	1	0	0	0	6
2:30 AM	0	0	1	3	1	5	4	2	0	0	0	0	0	16
2:45 AM	0	1	0	2	4	2	3	0	0	0	0	0	0	12
Hour Total	0	2	2	7	11	12	10	5	0	1	0	0	0	50
3:00 AM	0	0	1	2	3	4	1	1	0	0	0	0	0	12
3:15 AM	0	1	0	2	3	4	5	4	2	0	0	0	0	21
3:30 AM	0	0	0	2	4	5	8	0	1	0	0	0	0	20
3:45 AM	0	0	0	0	3	2	3	1	0	0	0	0	0	9
Hour Total	0	1	1	6	13	15	17	6	3	0	0	0	0	62
4:00 AM	0	0	0	3	4	4	9	0	1	0	0	0	0	21
4:15 AM	0	1	2	0	7	3	5	2	0	0	0	0	0	20
4:30 AM	0	0	2	0	2	17	10	9	1	0	0	0	0	41
4:45 AM	0	0	0	5	9	14	14	7	2	1	0	0	0	52
Hour Total	0	1	4	8	22	38	38	18	4	1	0	0	0	134
5:00 AM	0	0	1	2	7	13	10	9	6	0	0	0	0	48
5:15 AM	0	1	1	5	2	15	13	7	2	3	0	0	0	49
5:30 AM	0	0	1	4	7	20	20	19	5	1	1	0	0	78
5:45 AM	0	0	1	4	10	17	38	27	8	0	0	0	0	105
Hour Total	0	1	4	15	26	65	81	62	21	4	1	0	0	280
6:00 AM	0	2	0	7	11	15	32	15	10	3	1	0	1	97
6:15 AM	0	1	7	4	10	32	38	28	9	4	1	0	0	134
6:30 AM	0	0	2	14	17	25	49	18	19	6	3	0	0	153
6:45 AM	0	0	0	5	7	20	54	45	16	3	1	0	0	151
Hour Total	0	3	9	30	45	92	173	106	54	16	6	0	1	535
7:00 AM	0	1	2	1	8	16	49	34	8	4	0	1	0	124
7:15 AM	0	0	3	3	7	17	38	24	10	4	0	1	0	107
7:30 AM	0	1	0	3	4	21	34	14	7	4	1	0	0	89
7:45 AM	0	0	1	3	6	14	30	17	7	1	0	0	0	79
Hour Total	0	2	6	10	25	68	151	89	32	13	1	2	0	399

8:00 AM	0	2	7	2	7	10	17	16	6	0	1	0	0	68
8:15 AM	0	0	1	2	6	9	18	10	1	1	0	0	0	48
8:30 AM	0	1	0	8	7	14	13	5	4	0	0	0	0	52
8:45 AM	0	1	9	3	7	7	12	7	3	1	0	0	0	50
Hour Total	0	4	17	15	27	40	60	38	14	2	1	0	0	218
9:00 AM	0	1	2	2	6	6	8	8	2	0	0	0	0	35
9:15 AM	0	0	0	5	8	9	5	4	3	0	0	0	0	34
9:30 AM	0	0	1	6	9	6	6	5	0	0	0	0	0	33
9:45 AM	0	0	3	1	10	8	4	4	1	0	0	0	0	31
Hour Total	0	1	6	14	33	29	23	21	6	0	0	0	0	133
10:00 AM	0	0	2	7	9	7	7	4	0	0	0	0	0	36
10:15 AM	0	1	3	4	9	7	9	3	4	1	0	0	0	41
10:30 AM	0	0	1	3	7	9	5	2	3	0	0	0	0	30
10:45 AM	0	0	2	5	12	7	9	3	0	0	0	0	0	38
Hour Total	0	1	8	19	37	30	30	12	7	1	0	0	0	145
11:00 AM	0	0	3	3	7	6	12	3	2	0	0	0	0	36
11:15 AM	0	1	0	3	4	11	6	5	0	0	0	0	0	30
11:30 AM	0	0	2	8	9	13	15	2	1	0	0	0	0	50
11:45 AM	0	0	3	3	8	10	12	4	1	0	0	0	0	41
Hour Total	0	1	8	17	28	40	45	14	4	0	0	0	0	157
12:00 PM	0	0	1	1	2	13	17	6	2	1	0	0	0	43
12:15 PM	0	0	4	7	3	11	10	7	2	0	0	0	0	44
12:30 PM	0	1	2	2	7	15	5	4	3	0	0	0	0	39
12:45 PM	0	0	3	1	10	10	7	6	2	0	0	0	0	39
Hour Total	0	1	10	11	22	49	39	23	9	1	0	0	0	165
1:00 PM	0	1	2	1	8	12	9	8	0	0	0	0	0	41
1:15 PM	0	0	4	4	8	9	13	10	3	0	0	0	0	51
1:30 PM	0	0	0	3	3	21	13	12	4	0	0	0	0	56
1:45 PM	0	0	1	2	13	9	7	4	1	0	0	0	0	37
Hour Total	0	1	7	10	32	51	42	34	8	0	0	0	0	185
2:00 PM	0	1	3	2	8	11	10	7	3	0	0	0	0	45
2:15 PM	0	0	2	1	5	16	10	4	1	1	0	0	0	40
2:30 PM	0	0	1	1	18	38	19	16	6	0	0	0	0	99
2:45 PM	0	0	0	6	6	11	16	7	1	2	0	0	0	49
Hour Total	0	1	6	10	37	76	55	34	11	3	0	0	0	233
3:00 PM	0	1	0	3	7	8	15	5	2	1	0	0	0	42
3:15 PM	0	0	1	1	4	17	12	11	1	0	0	0	0	47
3:30 PM	0	0	2	0	8	22	22	12	2	1	0	0	0	69
3:45 PM	0	1	0	3	3	6	21	14	5	0	0	0	0	53
Hour Total	0	2	3	7	22	53	70	42	10	2	0	0	0	211

4:00 PM	0	0	0	2	5	21	21	12	3	1	0	0	0	65
4:15 PM	0	0	0	3	9	8	19	21	8	2	0	0	0	70
4:30 PM	0	0	2	5	3	13	22	18	4	1	1	0	0	69
4:45 PM	0	0	2	8	9	12	21	14	6	1	0	0	0	73
Hour Total	0	0	4	18	26	54	83	65	21	5	1	0	0	277
5:00 PM	0	0	2	3	4	24	23	18	10	3	0	0	0	87
5:15 PM	0	0	0	2	1	11	28	17	7	1	0	0	0	67
5:30 PM	0	0	0	1	5	14	17	18	1	2	0	0	0	58
5:45 PM	0	0	3	2	2	8	13	18	4	1	1	0	0	52
Hour Total	0	0	5	8	12	57	81	71	22	7	1	0	0	264
6:00 PM	0	0	0	1	0	8	12	4	3	0	0	0	0	28
6:15 PM	0	0	1	2	3	1	14	9	3	0	1	0	0	34
6:30 PM	0	0	0	0	2	5	2	4	1	0	0	0	0	14
6:45 PM	0	1	0	1	1	7	1	7	2	2	1	0	0	23
Hour Total	0	1	1	4	6	21	29	24	9	2	2	0	0	99
7:00 PM	0	0	1	1	3	6	10	9	1	0	0	0	0	31
7:15 PM	0	0	1	1	3	3	3	5	2	0	0	0	0	18
7:30 PM	0	0	0	1	3	6	3	0	0	0	0	0	0	13
7:45 PM	0	0	0	1	2	2	3	5	1	0	0	0	0	14
Hour Total	0	0	2	4	11	17	19	19	4	0	0	0	0	76
8:00 PM	0	1	1	1	1	5	9	4	1	1	0	0	0	24
8:15 PM	0	0	1	3	7	2	6	1	0	0	0	0	0	20
8:30 PM	0	0	0	0	3	1	5	0	1	0	0	0	0	10
8:45 PM	0	0	1	3	5	8	2	4	2	0	0	0	0	25
Hour Total	0	1	3	7	16	16	22	9	4	1	0	0	0	79
9:00 PM	0	0	4	3	1	3	5	3	0	1	0	0	0	20
9:15 PM	0	0	0	4	1	2	1	0	1	0	0	0	0	9
9:30 PM	0	0	0	2	0	1	1	3	0	0	0	0	0	7
9:45 PM	0	0	0	1	1	4	5	2	0	0	0	0	0	13
Hour Total	0	0	4	10	3	10	12	8	1	1	0	0	0	49
10:00 PM	0	1	0	2	7	5	9	3	2	0	0	0	0	29
10:15 PM	0	0	0	1	2	5	6	3	2	0	0	0	0	19
10:30 PM	0	0	0	2	0	6	2	2	0	0	0	0	0	12
10:45 PM	0	0	0	1	0	4	3	3	0	1	1	0	0	13
Hour Total	0	1	0	6	9	20	20	11	4	1	1	0	0	73
11:00 PM	0	0	1	0	3	6	4	2	0	0	0	0	0	16
11:15 PM	0	0	3	1	1	0	3	0	0	0	0	0	0	8
11:30 PM	0	0	0	0	2	7	6	1	0	1	0	0	0	17
11:45 PM	1	1	0	4	6	3	1	1	0	0	0	0	0	17
Hour Total	1	1	4	5	12	16	14	4	0	1	0	0	0	58
Totals	1	27	117	248	494	901	1127	723	249	62	14	2	1	3966

Speed Report - Prepared by: NDS/ATD

North of I-580/Mountain House Parkway interchange and ramps
(Inside lanes only)
Tracy
Project #: 11-7199-002s
Date: 5/4/2011

North Bound, South Bound

Speed Statistics.

15th Percentile Speed	:	32 MPH
Median Speed (50th percentile)	:	41 MPH
Average Speed - All Vehicles	:	40 MPH
85th Percentile Speed	:	48 MPH
95th Percentile Speed	:	53 MPH
10 MPH Pace Speed	:	35 - 44 MPH
Number of Vehicles in Pace	:	2028
Percentage of Vehicles in Pace	:	51.13%
Number of Vehicles >= 25 MPH	:	3821
Percentage of Vehicles >= 25 MPH	:	96.34%

5/4/2011 City: Tracy Project #: 11-7199-002s

Location: North of I-580/Mountain House Parkway interchange and ramps (Inside lanes only)

Start	Southbound		Hour Totals		Northbound		Hour Totals		Combined Totals	
Time	Morning	Afternoon	Morning	Afternoon	Morning	Afternoon	Morning	Afternoon	Morning	Afternoon
12:00	12	23			5	20				
12:15	7	28			6	16				
12:30	6	25			5	14				
12:45	6	20	31	96	3	19	19	69	50	165
1:00	6	29			9	12				
1:15	1	32			4	19				
1:30	2	27			2	29				
1:45	5	19	14	107	5	18	20	78	34	185
2:00	10	25			6	20				
2:15	4	22			2	18				
2:30	9	59			7	40				
2:45	7	20	30	126	5	29	20	107	50	233
3:00	10	22			2	20				
3:15	12	25			9	22				
3:30	15	32			5	37				
3:45	4	16	41	95	5	37	21	116	62	211
4:00	13	34			8	31				
4:15	13	30			7	40				
4:30	31	27			10	42				
4:45	32	33	89	124	20	40	45	153	134	277
5:00	35	42			13	45				
5:15	39	30			10	37				
5:30	55	22			23	36				
5:45	79	16	208	110	26	36	72	154	280	264
6:00	79	15			18	13				
6:15	108	11			26	23				
6:30	132	6			21	8				
6:45	120	11	439	43	31	12	96	56	535	99
7:00	106	12			18	19				
7:15	75	8			32	10				
7:30	66	8			23	5				
7:45	61	7	308	35	18	7	91	41	399	76
8:00	48	11			20	13				
8:15	26	10			22	10				
8:30	39	7			13	3				
8:45	36	16	149	44	14	9	69	35	218	79
9:00	20	12			15	8				
9:15	24	4			10	5				
9:30	20	3			13	4				
9:45	12	5	76	24	19	8	57	25	133	49
10:00	17	9			19	20				
10:15	29	9			12	10				
10:30	16	11			14	1				
10:45	24	9	86	38	14	4	59	35	145	73
11:00	25	8			11	8				
11:15	17	7			13	1				
11:30	28	11			22	6				
11:45	21	11	91	37	20	6	66	21	157	58
Total	1562	879	1562	879	635	890	635	890	2197	1769
Combined Total	2441		2441		1525		1525		3966	
AM Peak	6:15 AM				6:45 AM					
Vol.	466				104					
P.H.F.	0.883				0.813					
PM Peak		4:15 PM				4:15 PM				
Vol.		132				167				
P.H.F.		0.786				0.928				
Percentage	64.0%	36.0%			41.6%	58.4%				

Class Report - Prepared by: NDS/ATD

North of I-580/Mountain House Parkway interchange and ramps (Outside lanes only)

Tracy

Project #:11-7199-002n Date: 5/5/2011 THURSDAY

North Bound

Begin Time	Bikes	Cars & Tlrs	2 Axle Long	Buses	2 Axle 6 Tire	3 Axle Single	4 Axle Single	<5 Axle Double	5 Axle Double	>5 Axle Double	<6 Axle Multi	6 Axle Multi	>6 Axle Multi	Total
12:00 AM	0	4	0	1	1	0	0	7	0	0	0	0	0	13
12:15 AM	0	4	1	1	0	0	0	9	0	0	0	0	0	15
12:30 AM	0	3	2	1	1	0	0	7	0	0	0	0	0	14
12:45 AM	0	5	1	0	0	0	0	10	0	0	0	0	0	16
Hour Total	0	16	4	3	2	0	0	33	0	0	0	0	0	58
1:00 AM	0	3	1	0	1	0	0	8	0	0	0	0	0	13
1:15 AM	0	3	0	0	0	0	0	15	0	0	0	0	0	18
1:30 AM	0	3	1	0	0	0	0	6	0	0	0	0	0	10
1:45 AM	0	7	3	0	0	1	0	5	0	0	0	0	0	16
Hour Total	0	16	5	0	1	1	0	34	0	0	0	0	0	57
2:00 AM	0	5	1	0	2	0	0	7	0	0	0	0	0	15
2:15 AM	0	5	3	0	1	0	0	10	0	0	0	0	0	19
2:30 AM	0	9	4	0	0	2	0	5	0	0	0	0	0	20
2:45 AM	0	11	2	0	0	1	0	10	0	0	0	0	0	24
Hour Total	0	30	10	0	3	3	0	32	0	0	0	0	0	78
3:00 AM	0	3	1	0	0	0	0	7	0	0	0	0	0	11
3:15 AM	0	5	2	0	0	1	0	12	2	0	0	0	0	22
3:30 AM	0	3	0	0	2	0	0	5	0	0	0	0	0	10
3:45 AM	0	5	1	0	1	0	0	14	0	0	0	0	0	21
Hour Total	0	16	4	0	3	1	0	38	2	0	0	0	0	64
4:00 AM	0	4	4	1	1	0	0	11	1	0	0	0	0	22
4:15 AM	0	5	3	0	2	0	0	9	0	0	0	0	0	19
4:30 AM	0	10	2	0	0	0	0	8	0	0	0	0	0	20
4:45 AM	0	11	0	0	1	0	0	22	1	0	0	0	0	35
Hour Total	0	30	9	1	4	0	0	50	2	0	0	0	0	96
5:00 AM	0	11	2	0	0	0	0	15	0	0	0	0	0	28
5:15 AM	0	20	4	0	3	0	0	15	0	0	0	0	0	42
5:30 AM	0	29	5	0	3	0	0	21	1	0	2	0	0	61
5:45 AM	0	28	3	1	6	0	0	16	2	0	2	1	0	59
Hour Total	0	88	14	1	12	0	0	67	3	0	4	1	0	190
6:00 AM	0	12	5	0	2	0	0	19	0	0	0	0	0	38
6:15 AM	0	14	0	0	1	1	0	13	0	0	5	0	0	34
6:30 AM	0	9	4	0	1	0	0	15	0	0	1	0	0	30
6:45 AM	0	15	3	1	2	0	0	15	2	0	2	0	0	40
Hour Total	0	50	12	1	6	1	0	62	2	0	8	0	0	142
7:00 AM	0	8	3	1	3	1	0	23	0	0	1	0	0	40
7:15 AM	0	5	3	0	4	0	0	21	1	0	0	0	0	34
7:30 AM	0	8	1	0	1	1	0	14	0	0	0	0	0	25
7:45 AM	0	13	4	0	1	0	0	16	0	0	1	0	0	35
Hour Total	0	34	11	1	9	2	0	74	1	0	2	0	0	134

8:00 AM	0	12	4	0	0	0	0	15	1	0	0	0	0	32
8:15 AM	0	9	6	0	2	0	0	17	1	0	0	0	0	35
8:30 AM	0	2	4	0	2	2	0	17	1	0	1	0	0	29
8:45 AM	0	9	4	0	2	0	0	14	0	0	5	0	0	34
Hour Total	0	32	18	0	6	2	0	63	3	0	6	0	0	130
9:00 AM	0	4	0	0	3	2	0	19	0	0	3	0	0	31
9:15 AM	0	3	1	0	3	0	0	13	2	0	6	0	0	28
9:30 AM	0	9	3	0	0	0	0	13	1	0	0	0	0	26
9:45 AM	0	6	6	0	1	1	0	10	0	0	2	0	0	26
Hour Total	0	22	10	0	7	3	0	55	3	0	11	0	0	111
10:00 AM	0	3	3	0	0	1	0	20	3	0	1	0	0	31
10:15 AM	0	8	4	0	2	0	0	10	0	0	1	0	0	25
10:30 AM	0	12	3	1	2	0	0	15	1	0	2	0	0	36
10:45 AM	0	12	3	1	1	1	0	9	0	0	5	0	0	32
Hour Total	0	35	13	2	5	2	0	54	4	0	9	0	0	124
11:00 AM	0	11	3	0	3	1	0	10	0	0	5	0	0	33
11:15 AM	2	11	6	1	2	0	0	15	0	0	2	0	0	39
11:30 AM	0	11	4	0	0	1	0	21	1	0	3	0	0	41
11:45 AM	0	16	3	0	3	1	0	11	1	0	5	0	0	40
Hour Total	2	49	16	1	8	3	0	57	2	0	15	0	0	153
12:00 PM	0	15	2	0	5	0	0	9	0	0	5	1	0	37
12:15 PM	0	7	2	1	3	0	0	6	0	0	3	0	0	22
12:30 PM	1	8	0	1	1	1	0	10	0	0	2	0	0	24
12:45 PM	0	15	1	0	0	0	0	10	0	0	1	0	0	27
Hour Total	1	45	5	2	9	1	0	35	0	0	11	1	0	110
1:00 PM	0	8	4	0	5	0	0	4	0	0	4	0	0	25
1:15 PM	0	13	3	0	5	0	0	12	0	0	2	0	0	35
1:30 PM	0	16	7	0	1	1	0	8	1	0	2	0	0	36
1:45 PM	0	11	3	1	2	0	0	7	0	0	2	0	0	26
Hour Total	0	48	17	1	13	1	0	31	1	0	10	0	0	122
2:00 PM	0	10	4	0	1	1	0	11	0	0	2	0	0	29
2:15 PM	0	11	3	0	3	0	0	7	1	0	4	0	0	29
2:30 PM	0	21	6	1	4	0	0	9	2	0	1	0	0	44
2:45 PM	0	33	8	2	3	1	0	14	2	0	2	0	0	65
Hour Total	0	75	21	3	11	2	0	41	5	0	9	0	0	167
3:00 PM	0	24	9	0	6	0	0	8	0	0	3	1	0	51
3:15 PM	0	18	7	2	4	1	0	7	1	0	1	0	0	41
3:30 PM	0	34	11	0	2	0	0	8	2	0	0	1	0	58
3:45 PM	0	37	14	0	7	1	0	11	2	0	0	0	0	72
Hour Total	0	113	41	2	19	2	0	34	5	0	4	2	0	222

4:00 PM	0	37	4	0	11	0	0	3	0	0	0	0	0	55
4:15 PM	0	43	22	0	3	2	0	7	1	0	0	0	0	78
4:30 PM	0	60	18	0	8	0	0	3	1	0	0	0	0	90
4:45 PM	0	46	18	0	9	1	0	8	0	0	0	0	0	82
Hour Total	0	186	62	0	31	3	0	21	2	0	0	0	0	305
5:00 PM	2	51	16	0	6	0	0	4	0	0	0	0	0	79
5:15 PM	0	58	19	0	4	0	0	5	1	0	0	0	0	87
5:30 PM	0	48	12	0	9	0	0	2	0	0	0	0	0	71
5:45 PM	0	47	16	0	3	0	0	3	0	1	0	0	0	70
Hour Total	2	204	63	0	22	0	0	14	1	1	0	0	0	307
6:00 PM	0	35	6	1	4	0	0	8	1	0	0	0	0	55
6:15 PM	0	41	1	0	6	0	0	10	2	0	0	0	0	60
6:30 PM	1	26	8	0	2	0	0	4	0	0	0	0	0	41
6:45 PM	0	31	7	0	1	0	0	10	0	0	0	0	0	49
Hour Total	1	133	22	1	13	0	0	32	3	0	0	0	0	205
7:00 PM	0	34	4	0	3	0	0	6	1	0	0	0	0	48
7:15 PM	0	39	5	0	7	2	0	3	1	0	0	0	0	57
7:30 PM	0	26	5	0	2	0	0	7	0	0	0	0	0	40
7:45 PM	0	22	4	0	2	0	0	7	0	0	0	0	0	35
Hour Total	0	121	18	0	14	2	0	23	2	0	0	0	0	180
8:00 PM	1	16	2	0	2	0	0	6	0	0	0	0	0	27
8:15 PM	0	7	5	0	1	2	0	8	1	0	0	0	0	24
8:30 PM	0	9	3	0	2	0	0	4	1	0	0	0	0	19
8:45 PM	1	16	5	0	1	0	0	7	0	0	0	0	0	30
Hour Total	2	48	15	0	6	2	0	25	2	0	0	0	0	100
9:00 PM	0	16	4	0	1	0	0	14	0	0	0	0	0	35
9:15 PM	0	7	2	0	2	0	0	10	0	0	0	0	0	21
9:30 PM	0	11	2	0	0	0	0	11	0	0	0	0	0	24
9:45 PM	0	6	2	0	0	0	0	12	0	0	0	0	0	20
Hour Total	0	40	10	0	3	0	0	47	0	0	0	0	0	100
10:00 PM	0	10	2	0	2	0	0	7	0	0	0	0	0	21
10:15 PM	0	8	4	0	0	0	0	4	0	0	0	0	0	16
10:30 PM	0	10	2	0	1	0	0	7	0	0	0	0	0	20
10:45 PM	0	4	2	0	0	0	0	9	0	0	0	0	0	15
Hour Total	0	32	10	0	3	0	0	27	0	0	0	0	0	72
11:00 PM	0	7	0	0	0	0	0	12	1	0	0	0	0	20
11:15 PM	0	5	0	0	1	0	0	2	0	0	0	0	0	8
11:30 PM	0	2	0	0	0	0	0	11	0	0	0	0	0	13
11:45 PM	0	4	2	0	0	0	0	7	0	0	0	0	0	13
Hour Total	0	18	2	0	1	0	0	32	1	0	0	0	0	54
Totals	8	1481	412	19	211	31	0	981	44	1	89	4	0	3281
Percent	0.2%	45.1%	12.6%	0.6%	6.4%	0.9%	0.0%	29.9%	1.3%	0.0%	2.7%	0.1%	0.0%	

Class Report - Prepared by: NDS/ATD

North of I-580/Mountain House Parkway interchange and ramps (Outside lanes only)

Tracy

Project #:11-7199-002s Date: 5/5/2011 THURSDAY

South Bound

Begin Time	Bikes	Cars & Tlrs	2 Axle Long	Buses	2 Axle 6 Tire	3 Axle Single	4 Axle Single	<5 Axle Double	5 Axle Double	>5 Axle Double	<6 Axle Multi	6 Axle Multi	>6 Axle Multi	Total
12:00 AM	0	6	1	0	0	0	0	7	0	0	0	0	0	14
12:15 AM	0	5	1	1	0	0	0	6	0	0	0	0	0	13
12:30 AM	0	1	1	0	0	0	0	0	0	0	0	0	0	2
12:45 AM	0	2	0	0	0	0	0	1	0	0	1	0	0	4
Hour Total	0	14	3	1	0	0	0	14	0	0	1	0	0	33
1:00 AM	0	2	0	0	0	0	0	2	0	0	0	0	0	4
1:15 AM	0	1	1	1	0	0	0	2	0	0	0	0	0	5
1:30 AM	0	2	1	0	0	0	0	5	1	0	0	0	0	9
1:45 AM	0	0	0	0	0	0	0	2	0	0	0	0	0	2
Hour Total	0	5	2	1	0	0	0	11	1	0	0	0	0	20
2:00 AM	0	3	0	0	0	0	0	2	0	0	0	0	0	5
2:15 AM	0	4	0	0	0	0	0	6	0	0	0	0	0	10
2:30 AM	0	2	0	0	0	0	0	4	1	0	0	0	0	7
2:45 AM	0	4	0	0	0	0	1	4	0	0	0	0	0	9
Hour Total	0	13	0	0	0	0	1	16	1	0	0	0	0	31
3:00 AM	0	4	0	1	0	0	0	3	0	0	0	0	0	8
3:15 AM	0	4	0	0	0	0	0	3	0	0	0	0	0	7
3:30 AM	0	7	0	0	0	0	0	6	0	0	1	0	0	14
3:45 AM	0	5	0	0	0	0	0	8	0	0	0	0	0	13
Hour Total	0	20	0	1	0	0	0	20	0	0	1	0	0	42
4:00 AM	0	8	1	1	0	0	0	8	1	0	0	0	0	19
4:15 AM	0	20	3	0	0	1	0	10	0	0	0	0	0	34
4:30 AM	0	17	1	0	0	0	0	14	0	0	0	0	0	32
4:45 AM	0	24	5	1	1	1	0	12	1	0	0	0	0	45
Hour Total	0	69	10	2	1	2	0	44	2	0	0	0	0	130
5:00 AM	0	30	7	0	1	1	0	7	0	0	0	0	0	46
5:15 AM	0	59	11	2	1	1	0	15	1	0	0	0	0	90
5:30 AM	0	56	13	1	1	1	0	8	0	0	0	0	0	80
5:45 AM	0	59	13	1	1	2	0	7	0	0	0	0	0	83
Hour Total	0	204	44	4	4	5	0	37	1	0	0	0	0	299
6:00 AM	0	55	12	1	2	1	0	7	2	0	1	0	0	81
6:15 AM	0	68	20	0	1	2	0	8	0	0	0	0	0	99
6:30 AM	0	51	10	2	2	0	0	7	2	0	0	0	0	74
6:45 AM	0	56	9	0	0	2	0	8	2	0	1	0	0	78
Hour Total	0	230	51	3	5	5	0	30	6	0	2	0	0	332
7:00 AM	0	56	12	2	1	1	0	10	1	0	0	0	0	83
7:15 AM	0	41	7	0	1	1	0	10	0	0	0	0	0	60
7:30 AM	0	50	7	3	0	2	0	6	0	0	0	0	0	68
7:45 AM	0	35	3	0	0	1	0	4	1	0	0	0	0	44
Hour Total	0	182	29	5	2	5	0	30	2	0	0	0	0	255

8:00 AM	0	18	3	0	0	1	0	12	0	0	0	0	0	34
8:15 AM	0	16	2	0	0	0	0	11	1	0	0	0	0	30
8:30 AM	1	30	7	0	1	0	0	5	1	0	0	0	0	45
8:45 AM	0	27	5	0	0	0	0	13	0	0	0	0	0	45
Hour Total	1	91	17	0	1	1	0	41	2	0	0	0	0	154
9:00 AM	0	25	6	1	1	0	0	15	1	0	0	0	0	49
9:15 AM	1	18	5	0	1	0	0	11	3	0	1	0	0	40
9:30 AM	0	18	5	1	1	1	0	9	2	0	0	0	0	37
9:45 AM	0	33	3	0	1	1	0	6	1	0	2	0	0	47
Hour Total	1	94	19	2	4	2	0	41	7	0	3	0	0	173
10:00 AM	0	15	4	0	1	0	0	13	2	0	0	0	0	35
10:15 AM	0	22	5	1	0	0	0	8	1	1	1	0	0	39
10:30 AM	0	22	4	1	0	0	0	6	2	0	0	0	0	35
10:45 AM	0	14	3	1	0	0	0	8	3	1	0	0	0	30
Hour Total	0	73	16	3	1	0	0	35	8	2	1	0	0	139
11:00 AM	0	16	3	0	0	0	0	6	0	0	0	0	0	25
11:15 AM	0	18	4	1	0	0	0	8	0	0	3	0	0	34
11:30 AM	0	23	4	0	2	1	0	8	0	0	0	0	0	38
11:45 AM	0	18	2	0	0	0	0	8	2	0	0	0	0	30
Hour Total	0	75	13	1	2	1	0	30	2	0	3	0	0	127
12:00 PM	0	17	5	0	1	0	0	10	2	1	0	0	0	36
12:15 PM	0	15	7	1	0	0	0	8	1	0	2	0	0	34
12:30 PM	0	15	4	0	1	0	0	6	3	0	1	0	0	30
12:45 PM	0	9	6	0	1	0	0	6	0	0	0	0	0	22
Hour Total	0	56	22	1	3	0	0	30	6	1	3	0	0	122
1:00 PM	0	14	5	0	0	0	0	7	1	0	0	0	0	27
1:15 PM	0	23	5	0	1	0	0	6	2	0	2	0	0	39
1:30 PM	0	13	7	0	0	0	0	6	0	0	1	0	0	27
1:45 PM	0	15	6	2	0	0	0	7	0	0	0	0	0	30
Hour Total	0	65	23	2	1	0	0	26	3	0	3	0	0	123
2:00 PM	0	19	3	1	1	0	0	6	1	0	0	0	0	31
2:15 PM	0	15	4	3	0	1	0	2	0	0	0	0	0	25
2:30 PM	0	15	2	0	1	0	0	7	2	0	1	0	0	28
2:45 PM	0	15	6	0	0	0	0	10	0	0	1	0	0	32
Hour Total	0	64	15	4	2	1	0	25	3	0	2	0	0	116
3:00 PM	0	15	4	0	0	0	0	5	2	0	0	0	0	26
3:15 PM	0	8	2	1	0	0	0	6	1	0	0	0	0	18
3:30 PM	0	19	10	0	0	1	0	6	1	0	0	0	0	37
3:45 PM	0	15	4	0	0	0	0	4	1	0	0	0	0	24
Hour Total	0	57	20	1	0	1	0	21	5	0	0	0	0	105

4:00 PM	0	17	3	1	1	0	0	5	2	0	0	0	0	29
4:15 PM	0	14	4	1	0	0	0	4	1	0	1	0	0	25
4:30 PM	0	19	6	1	0	1	0	1	0	0	0	0	0	28
4:45 PM	1	18	3	1	1	0	0	6	0	0	0	0	0	30
Hour Total	1	68	16	4	2	1	0	16	3	0	1	0	0	112
5:00 PM	0	14	4	0	0	0	0	5	1	0	1	0	0	25
5:15 PM	0	18	3	0	0	0	0	2	0	0	0	0	0	23
5:30 PM	0	15	3	0	0	0	1	4	2	0	1	0	0	26
5:45 PM	0	14	3	0	1	1	0	3	0	0	0	0	0	22
Hour Total	0	61	13	0	1	1	1	14	3	0	2	0	0	96
6:00 PM	0	16	10	1	0	1	0	7	0	0	0	0	0	35
6:15 PM	0	13	4	0	1	0	0	4	0	0	0	0	0	22
6:30 PM	0	15	6	0	0	0	0	2	0	0	0	0	0	23
6:45 PM	0	13	6	0	0	0	0	6	0	0	0	0	0	25
Hour Total	0	57	26	1	1	1	0	19	0	0	0	0	0	105
7:00 PM	0	11	5	1	0	1	0	8	2	0	0	0	0	28
7:15 PM	0	14	0	0	0	1	0	10	1	0	0	0	0	26
7:30 PM	0	10	3	0	0	0	0	7	1	0	0	0	0	21
7:45 PM	0	7	2	0	0	0	0	6	0	0	0	0	0	15
Hour Total	0	42	10	1	0	2	0	31	4	0	0	0	0	90
8:00 PM	0	7	1	0	0	0	0	6	0	0	0	0	0	14
8:15 PM	0	6	0	0	0	0	0	2	0	0	0	0	0	8
8:30 PM	0	6	2	0	0	0	0	4	0	0	0	0	0	12
8:45 PM	0	6	1	0	0	0	0	2	0	0	0	0	0	9
Hour Total	0	25	4	0	0	0	0	14	0	0	0	0	0	43
9:00 PM	0	8	0	0	0	0	0	1	0	0	0	0	0	9
9:15 PM	0	6	1	0	0	0	0	5	0	0	0	0	0	12
9:30 PM	0	8	4	0	0	0	0	5	0	0	0	0	0	17
9:45 PM	0	4	2	0	0	0	0	5	0	0	0	0	0	11
Hour Total	0	26	7	0	0	0	0	16	0	0	0	0	0	49
10:00 PM	0	6	1	0	0	0	0	5	0	0	0	0	0	12
10:15 PM	0	6	3	0	0	0	0	4	0	0	0	0	0	13
10:30 PM	0	6	0	0	0	0	0	5	0	0	0	0	0	11
10:45 PM	0	4	0	0	0	0	0	6	0	0	0	0	0	10
Hour Total	0	22	4	0	0	0	0	20	0	0	0	0	0	46
11:00 PM	0	4	1	0	0	0	0	2	0	0	0	0	0	7
11:15 PM	0	4	0	0	0	0	0	3	0	0	0	0	0	7
11:30 PM	0	4	1	0	0	0	0	2	1	0	0	0	0	8
11:45 PM	0	3	1	0	0	0	0	2	1	0	0	0	0	7
Hour Total	0	15	3	0	0	0	0	9	2	0	0	0	0	29
Totals	3	1628	367	37	30	28	2	590	61	3	22	0	0	2771
Percent	0.1%	58.8%	13.2%	1.3%	1.1%	1.0%	0.1%	21.3%	2.2%	0.1%	0.8%	0.0%	0.0%	

Class Report - Prepared by: NDS/ATD

North of I-580/Mountain House Parkway interchange and ramps (Outside lanes only)

Tracy

Project #:11-7199-002s Date: 5/5/2011 THURSDAY

North Bound, South Bound

Begin Time	Bikes	Cars & Tlrs	2 Axle Long	Buses	2 Axle 6 Tire	3 Axle Single	4 Axle Single	<5 Axle Double	5 Axle Double	>5 Axle Double	<6 Axle Multi	6 Axle Multi	>6 Axle Multi	Total
12:00 AM	0	10	1	1	1	0	0	14	0	0	0	0	0	27
12:15 AM	0	9	2	2	0	0	0	15	0	0	0	0	0	28
12:30 AM	0	4	3	1	1	0	0	7	0	0	0	0	0	16
12:45 AM	0	7	1	0	0	0	0	11	0	0	1	0	0	20
Hour Total	0	30	7	4	2	0	0	47	0	0	1	0	0	91
1:00 AM	0	5	1	0	1	0	0	10	0	0	0	0	0	17
1:15 AM	0	4	1	1	0	0	0	17	0	0	0	0	0	23
1:30 AM	0	5	2	0	0	0	0	11	1	0	0	0	0	19
1:45 AM	0	7	3	0	0	1	0	7	0	0	0	0	0	18
Hour Total	0	21	7	1	1	1	0	45	1	0	0	0	0	77
2:00 AM	0	8	1	0	2	0	0	9	0	0	0	0	0	20
2:15 AM	0	9	3	0	1	0	0	16	0	0	0	0	0	29
2:30 AM	0	11	4	0	0	2	0	9	1	0	0	0	0	27
2:45 AM	0	15	2	0	0	1	1	14	0	0	0	0	0	33
Hour Total	0	43	10	0	3	3	1	48	1	0	0	0	0	109
3:00 AM	0	7	1	1	0	0	0	10	0	0	0	0	0	19
3:15 AM	0	9	2	0	0	1	0	15	2	0	0	0	0	29
3:30 AM	0	10	0	0	2	0	0	11	0	0	1	0	0	24
3:45 AM	0	10	1	0	1	0	0	22	0	0	0	0	0	34
Hour Total	0	36	4	1	3	1	0	58	2	0	1	0	0	106
4:00 AM	0	12	5	2	1	0	0	19	2	0	0	0	0	41
4:15 AM	0	25	6	0	2	1	0	19	0	0	0	0	0	53
4:30 AM	0	27	3	0	0	0	0	22	0	0	0	0	0	52
4:45 AM	0	35	5	1	2	1	0	34	2	0	0	0	0	80
Hour Total	0	99	19	3	5	2	0	94	4	0	0	0	0	226
5:00 AM	0	41	9	0	1	1	0	22	0	0	0	0	0	74
5:15 AM	0	79	15	2	4	1	0	30	1	0	0	0	0	132
5:30 AM	0	85	18	1	4	1	0	29	1	0	2	0	0	141
5:45 AM	0	87	16	2	7	2	0	23	2	0	2	1	0	142
Hour Total	0	292	58	5	16	5	0	104	4	0	4	1	0	489
6:00 AM	0	67	17	1	4	1	0	26	2	0	1	0	0	119
6:15 AM	0	82	20	0	2	3	0	21	0	0	5	0	0	133
6:30 AM	0	60	14	2	3	0	0	22	2	0	1	0	0	104
6:45 AM	0	71	12	1	2	2	0	23	4	0	3	0	0	118
Hour Total	0	280	63	4	11	6	0	92	8	0	10	0	0	474
7:00 AM	0	64	15	3	4	2	0	33	1	0	1	0	0	123
7:15 AM	0	46	10	0	5	1	0	31	1	0	0	0	0	94
7:30 AM	0	58	8	3	1	3	0	20	0	0	0	0	0	93
7:45 AM	0	48	7	0	1	1	0	20	1	0	1	0	0	79
Hour Total	0	216	40	6	11	7	0	104	3	0	2	0	0	389

8:00 AM	0	30	7	0	0	1	0	27	1	0	0	0	0	66
8:15 AM	0	25	8	0	2	0	0	28	2	0	0	0	0	65
8:30 AM	1	32	11	0	3	2	0	22	2	0	1	0	0	74
8:45 AM	0	36	9	0	2	0	0	27	0	0	5	0	0	79
Hour Total	1	123	35	0	7	3	0	104	5	0	6	0	0	284
9:00 AM	0	29	6	1	4	2	0	34	1	0	3	0	0	80
9:15 AM	1	21	6	0	4	0	0	24	5	0	7	0	0	68
9:30 AM	0	27	8	1	1	1	0	22	3	0	0	0	0	63
9:45 AM	0	39	9	0	2	2	0	16	1	0	4	0	0	73
Hour Total	1	116	29	2	11	5	0	96	10	0	14	0	0	284
10:00 AM	0	18	7	0	1	1	0	33	5	0	1	0	0	66
10:15 AM	0	30	9	1	2	0	0	18	1	1	2	0	0	64
10:30 AM	0	34	7	2	2	0	0	21	3	0	2	0	0	71
10:45 AM	0	26	6	2	1	1	0	17	3	1	5	0	0	62
Hour Total	0	108	29	5	6	2	0	89	12	2	10	0	0	263
11:00 AM	0	27	6	0	3	1	0	16	0	0	5	0	0	58
11:15 AM	2	29	10	2	2	0	0	23	0	0	5	0	0	73
11:30 AM	0	34	8	0	2	2	0	29	1	0	3	0	0	79
11:45 AM	0	34	5	0	3	1	0	19	3	0	5	0	0	70
Hour Total	2	124	29	2	10	4	0	87	4	0	18	0	0	280
12:00 PM	0	32	7	0	6	0	0	19	2	1	5	1	0	73
12:15 PM	0	22	9	2	3	0	0	14	1	0	5	0	0	56
12:30 PM	1	23	4	1	2	1	0	16	3	0	3	0	0	54
12:45 PM	0	24	7	0	1	0	0	16	0	0	1	0	0	49
Hour Total	1	101	27	3	12	1	0	65	6	1	14	1	0	232
1:00 PM	0	22	9	0	5	0	0	11	1	0	4	0	0	52
1:15 PM	0	36	8	0	6	0	0	18	2	0	4	0	0	74
1:30 PM	0	29	14	0	1	1	0	14	1	0	3	0	0	63
1:45 PM	0	26	9	3	2	0	0	14	0	0	2	0	0	56
Hour Total	0	113	40	3	14	1	0	57	4	0	13	0	0	245
2:00 PM	0	29	7	1	2	1	0	17	1	0	2	0	0	60
2:15 PM	0	26	7	3	3	1	0	9	1	0	4	0	0	54
2:30 PM	0	36	8	1	5	0	0	16	4	0	2	0	0	72
2:45 PM	0	48	14	2	3	1	0	24	2	0	3	0	0	97
Hour Total	0	139	36	7	13	3	0	66	8	0	11	0	0	283
3:00 PM	0	39	13	0	6	0	0	13	2	0	3	1	0	77
3:15 PM	0	26	9	3	4	1	0	13	2	0	1	0	0	59
3:30 PM	0	53	21	0	2	1	0	14	3	0	0	1	0	95
3:45 PM	0	52	18	0	7	1	0	15	3	0	0	0	0	96
Hour Total	0	170	61	3	19	3	0	55	10	0	4	2	0	327

4:00 PM	0	54	7	1	12	0	0	8	2	0	0	0	0	84
4:15 PM	0	57	26	1	3	2	0	11	2	0	1	0	0	103
4:30 PM	0	79	24	1	8	1	0	4	1	0	0	0	0	118
4:45 PM	1	64	21	1	10	1	0	14	0	0	0	0	0	112
Hour Total	1	254	78	4	33	4	0	37	5	0	1	0	0	417
5:00 PM	2	65	20	0	6	0	0	9	1	0	1	0	0	104
5:15 PM	0	76	22	0	4	0	0	7	1	0	0	0	0	110
5:30 PM	0	63	15	0	9	0	1	6	2	0	1	0	0	97
5:45 PM	0	61	19	0	4	1	0	6	0	1	0	0	0	92
Hour Total	2	265	76	0	23	1	1	28	4	1	2	0	0	403
6:00 PM	0	51	16	2	4	1	0	15	1	0	0	0	0	90
6:15 PM	0	54	5	0	7	0	0	14	2	0	0	0	0	82
6:30 PM	1	41	14	0	2	0	0	6	0	0	0	0	0	64
6:45 PM	0	44	13	0	1	0	0	16	0	0	0	0	0	74
Hour Total	1	190	48	2	14	1	0	51	3	0	0	0	0	310
7:00 PM	0	45	9	1	3	1	0	14	3	0	0	0	0	76
7:15 PM	0	53	5	0	7	3	0	13	2	0	0	0	0	83
7:30 PM	0	36	8	0	2	0	0	14	1	0	0	0	0	61
7:45 PM	0	29	6	0	2	0	0	13	0	0	0	0	0	50
Hour Total	0	163	28	1	14	4	0	54	6	0	0	0	0	270
8:00 PM	1	23	3	0	2	0	0	12	0	0	0	0	0	41
8:15 PM	0	13	5	0	1	2	0	10	1	0	0	0	0	32
8:30 PM	0	15	5	0	2	0	0	8	1	0	0	0	0	31
8:45 PM	1	22	6	0	1	0	0	9	0	0	0	0	0	39
Hour Total	2	73	19	0	6	2	0	39	2	0	0	0	0	143
9:00 PM	0	24	4	0	1	0	0	15	0	0	0	0	0	44
9:15 PM	0	13	3	0	2	0	0	15	0	0	0	0	0	33
9:30 PM	0	19	6	0	0	0	0	16	0	0	0	0	0	41
9:45 PM	0	10	4	0	0	0	0	17	0	0	0	0	0	31
Hour Total	0	66	17	0	3	0	0	63	0	0	0	0	0	149
10:00 PM	0	16	3	0	2	0	0	12	0	0	0	0	0	33
10:15 PM	0	14	7	0	0	0	0	8	0	0	0	0	0	29
10:30 PM	0	16	2	0	1	0	0	12	0	0	0	0	0	31
10:45 PM	0	8	2	0	0	0	0	15	0	0	0	0	0	25
Hour Total	0	54	14	0	3	0	0	47	0	0	0	0	0	118
11:00 PM	0	11	1	0	0	0	0	14	1	0	0	0	0	27
11:15 PM	0	9	0	0	1	0	0	5	0	0	0	0	0	15
11:30 PM	0	6	1	0	0	0	0	13	1	0	0	0	0	21
11:45 PM	0	7	3	0	0	0	0	9	1	0	0	0	0	20
Hour Total	0	33	5	0	1	0	0	41	3	0	0	0	0	83
Totals	11	3109	779	56	241	59	2	1571	105	4	111	4	0	6052
Percent	0.2%	51.4%	12.9%	0.9%	4.0%	1.0%	0.0%	26.0%	1.7%	0.1%	1.8%	0.1%	0.0%	

5/5/2011 City: Tracy Project #: 11-7199-002s

Location: North of I-580/Mountain House Parkway interchange and ramps (Outside lanes only)

Start	Southbound		Hour Totals		Northbound		Hour Totals		Combined Totals	
Time	Morning	Afternoon	Morning	Afternoon	Morning	Afternoon	Morning	Afternoon	Morning	Afternoon
12:00	14	36			13	37				
12:15	13	34			15	22				
12:30	2	30			14	24				
12:45	4	22	33	122	16	27	58	110	91	232
1:00	4	27			13	25				
1:15	5	39			18	35				
1:30	9	27			10	36				
1:45	2	30	20	123	16	26	57	122	77	245
2:00	5	31			15	29				
2:15	10	25			19	29				
2:30	7	28			20	44				
2:45	9	32	31	116	24	65	78	167	109	283
3:00	8	26			11	51				
3:15	7	18			22	41				
3:30	14	37			10	58				
3:45	13	24	42	105	21	72	64	222	106	327
4:00	19	29			22	55				
4:15	34	25			19	78				
4:30	32	28			20	90				
4:45	45	30	130	112	35	82	96	305	226	417
5:00	46	25			28	79				
5:15	90	23			42	87				
5:30	80	26			61	71				
5:45	83	22	299	96	59	70	190	307	489	403
6:00	81	35			38	55				
6:15	99	22			34	60				
6:30	74	23			30	41				
6:45	78	25	332	105	40	49	142	205	474	310
7:00	83	28			40	48				
7:15	60	26			34	57				
7:30	68	21			25	40				
7:45	44	15	255	90	35	35	134	180	389	270
8:00	34	14			32	27				
8:15	30	8			35	24				
8:30	45	12			29	19				
8:45	45	9	154	43	34	30	130	100	284	143
9:00	49	9			31	35				
9:15	40	12			28	21				
9:30	37	17			26	24				
9:45	47	11	173	49	26	20	111	100	284	149
10:00	35	12			31	21				
10:15	39	13			25	16				
10:30	35	11			36	20				
10:45	30	10	139	46	32	15	124	72	263	118
11:00	25	7			33	20				
11:15	34	7			39	8				
11:30	38	8			41	13				
11:45	30	7	127	29	40	13	153	54	280	83
Total	1735	1036	1735	1036	1337	1944	1337	1944	3072	2980
Combined Total	2771		2771		3281		3281		6052	
AM Peak	5:30 AM				5:15 AM					
Vol.	343				200					
P.H.F.	0.866				0.820					
PM Peak		1:15 PM				4:30 PM				
Vol.		127				338				
P.H.F.		0.814				0.939				
Percentage	62.6%	37.4%			40.7%	59.3%				

Class Report - Prepared by: NDS/ATD

North of I-580/Mountain House Parkway interchange and ramps (Outside lanes only)

Tracy

Project #:11-7199-002n Date: 5/4/2011 WEDNESDAY

North Bound

Begin Time	Bikes	Cars & Tlrs	2 Axle Long	Buses	2 Axle 6 Tire	3 Axle Single	4 Axle Single	<5 Axle Double	5 Axle Double	>5 Axle Double	<6 Axle Multi	6 Axle Multi	>6 Axle Multi	Total
12:00 AM	0	5	0	0	0	0	0	8	1	0	0	0	0	14
12:15 AM	0	5	1	0	0	0	0	10	1	0	0	0	0	17
12:30 AM	0	2	1	0	2	0	0	3	0	0	0	0	0	8
12:45 AM	0	1	0	0	0	0	0	3	0	0	0	0	0	4
Hour Total	0	13	2	0	2	0	0	24	2	0	0	0	0	43
1:00 AM	0	0	2	0	1	0	0	8	1	0	0	0	0	12
1:15 AM	0	6	0	0	1	0	0	11	0	0	0	0	0	18
1:30 AM	0	3	0	0	0	0	0	4	0	0	0	0	0	7
1:45 AM	0	3	0	0	0	0	0	10	0	0	0	0	0	13
Hour Total	0	12	2	0	2	0	0	33	1	0	0	0	0	50
2:00 AM	0	7	2	0	3	0	0	9	0	0	0	0	0	21
2:15 AM	0	10	2	0	1	0	0	8	1	0	0	0	0	22
2:30 AM	0	10	4	0	1	0	0	8	0	0	0	0	0	23
2:45 AM	0	7	3	0	1	0	0	9	1	0	0	0	0	21
Hour Total	0	34	11	0	6	0	0	34	2	0	0	0	0	87
3:00 AM	0	4	1	0	0	0	0	15	0	0	0	0	0	20
3:15 AM	0	4	1	0	0	0	0	11	0	0	0	0	0	16
3:30 AM	0	4	1	0	1	0	0	6	0	0	0	0	0	12
3:45 AM	0	3	3	1	1	0	0	10	0	0	1	0	0	19
Hour Total	0	15	6	1	2	0	0	42	0	0	1	0	0	67
4:00 AM	0	4	2	0	0	0	0	14	0	0	0	0	0	20
4:15 AM	0	7	2	0	1	0	0	10	0	0	0	0	0	20
4:30 AM	0	7	1	0	0	0	0	13	0	0	0	0	0	21
4:45 AM	0	16	0	0	0	0	0	11	0	0	0	0	0	27
Hour Total	0	34	5	0	1	0	0	48	0	0	0	0	0	88
5:00 AM	0	9	4	0	1	0	0	15	0	0	0	0	0	29
5:15 AM	0	23	2	0	1	0	0	9	2	0	1	0	0	38
5:30 AM	0	37	5	1	2	0	0	11	2	0	0	0	0	58
5:45 AM	0	29	2	3	8	0	0	15	0	0	3	0	0	60
Hour Total	0	98	13	4	12	0	0	50	4	0	4	0	0	185
6:00 AM	0	14	4	0	4	0	0	16	1	0	0	0	0	39
6:15 AM	0	10	1	0	4	0	0	15	1	0	2	0	0	33
6:30 AM	0	17	8	0	2	1	0	14	1	0	1	0	0	44
6:45 AM	0	11	6	1	2	1	0	18	1	0	3	0	0	43
Hour Total	0	52	19	1	12	2	0	63	4	0	6	0	0	159
7:00 AM	0	9	6	0	3	1	0	17	0	0	0	0	0	36
7:15 AM	0	6	3	0	0	1	0	23	0	0	1	0	0	34
7:30 AM	0	13	4	0	1	0	0	20	0	0	4	0	0	42
7:45 AM	0	12	5	0	1	0	0	16	0	0	1	0	0	35
Hour Total	0	40	18	0	5	2	0	76	0	0	6	0	0	147

8:00 AM	1	13	4	0	1	1	0	13	0	0	2	0	0	35
8:15 AM	0	5	2	2	3	1	0	12	1	0	0	0	0	26
8:30 AM	0	5	0	0	2	0	0	10	0	0	2	0	0	19
8:45 AM	0	8	5	1	0	2	0	11	1	0	1	0	0	29
Hour Total	1	31	11	3	6	4	0	46	2	0	5	0	0	109
9:00 AM	0	4	5	0	2	0	0	16	0	0	0	0	0	27
9:15 AM	0	5	1	0	2	1	0	14	1	0	1	0	0	25
9:30 AM	0	12	2	0	2	0	0	15	0	0	3	0	0	34
9:45 AM	0	3	6	0	0	0	0	15	0	0	2	0	0	26
Hour Total	0	24	14	0	6	1	0	60	1	0	6	0	0	112
10:00 AM	1	3	1	0	1	0	0	8	0	0	3	0	0	17
10:15 AM	0	5	4	0	1	1	0	16	0	0	1	0	0	28
10:30 AM	0	4	3	0	1	0	0	11	0	0	1	0	0	20
10:45 AM	0	13	1	1	1	1	0	15	1	0	2	0	0	35
Hour Total	1	25	9	1	4	2	0	50	1	0	7	0	0	100
11:00 AM	1	9	4	0	0	1	0	13	2	0	4	0	0	34
11:15 AM	1	4	5	1	3	0	0	24	0	0	1	0	0	39
11:30 AM	0	18	4	0	4	1	0	15	1	0	2	0	0	45
11:45 AM	0	12	8	0	3	1	0	11	1	0	4	0	0	40
Hour Total	2	43	21	1	10	3	0	63	4	0	11	0	0	158
12:00 PM	1	9	5	0	3	0	0	13	0	0	1	0	0	32
12:15 PM	0	13	1	0	1	0	0	15	0	0	5	0	0	35
12:30 PM	0	6	2	0	1	0	0	15	1	0	0	0	0	25
12:45 PM	1	11	1	0	2	2	0	9	1	0	1	0	0	28
Hour Total	2	39	9	0	7	2	0	52	2	0	7	0	0	120
1:00 PM	2	12	2	0	3	0	0	11	1	0	3	0	0	34
1:15 PM	0	10	2	0	3	0	0	13	0	0	2	0	0	30
1:30 PM	0	12	5	0	2	0	0	11	0	0	1	0	0	31
1:45 PM	0	18	1	1	0	1	0	4	1	0	0	0	0	26
Hour Total	2	52	10	1	8	1	0	39	2	0	6	0	0	121
2:00 PM	0	18	3	0	4	1	0	4	0	0	5	0	0	35
2:15 PM	0	8	2	0	2	0	0	14	1	0	2	0	0	29
2:30 PM	0	23	1	0	3	0	0	9	0	0	2	0	0	38
2:45 PM	0	33	8	0	2	1	0	12	1	0	1	0	0	58
Hour Total	0	82	14	0	11	2	0	39	2	0	10	0	0	160
3:00 PM	0	28	4	0	1	0	0	5	0	0	2	0	0	40
3:15 PM	0	30	3	0	6	1	0	7	1	0	4	0	0	52
3:30 PM	0	27	8	0	6	0	0	6	0	1	1	0	0	49
3:45 PM	0	35	10	0	4	0	0	5	0	0	4	0	0	58
Hour Total	0	120	25	0	17	1	0	23	1	1	11	0	0	199

4:00 PM	0	33	6	0	7	0	0	5	1	0	1	0	0	53
4:15 PM	0	48	11	0	8	0	0	7	2	0	1	0	0	77
4:30 PM	0	39	21	0	8	0	0	6	3	0	0	0	0	77
4:45 PM	0	53	14	0	11	0	0	3	0	0	1	0	0	82
Hour Total	0	173	52	0	34	0	0	21	6	0	3	0	0	289
5:00 PM	0	41	13	0	5	1	0	12	1	0	0	0	0	73
5:15 PM	0	52	14	0	5	0	0	8	0	0	0	0	0	79
5:30 PM	0	51	17	0	12	1	0	8	1	0	0	0	0	90
5:45 PM	0	60	9	0	5	1	0	8	0	0	0	0	0	83
Hour Total	0	204	53	0	27	3	0	36	2	0	0	0	0	325
6:00 PM	0	44	10	0	4	0	0	4	0	0	0	0	0	62
6:15 PM	0	47	7	0	6	0	0	3	0	0	0	0	0	63
6:30 PM	0	28	6	0	4	0	0	5	0	0	0	0	0	43
6:45 PM	0	22	3	1	5	0	0	7	0	0	0	0	0	38
Hour Total	0	141	26	1	19	0	0	19	0	0	0	0	0	206
7:00 PM	0	29	3	0	2	0	0	8	0	0	0	0	0	42
7:15 PM	0	21	1	0	1	0	0	6	0	0	0	0	0	29
7:30 PM	0	10	2	0	1	0	0	3	0	0	0	0	0	16
7:45 PM	0	15	4	0	3	0	0	8	1	0	0	0	0	31
Hour Total	0	75	10	0	7	0	0	25	1	0	0	0	0	118
8:00 PM	0	17	6	0	2	0	0	9	0	0	0	0	0	34
8:15 PM	0	10	3	0	1	0	0	4	0	0	0	0	0	18
8:30 PM	0	18	3	0	4	0	0	9	0	1	0	0	0	35
8:45 PM	0	9	1	0	1	1	0	9	0	0	0	0	0	21
Hour Total	0	54	13	0	8	1	0	31	0	1	0	0	0	108
9:00 PM	0	8	4	0	3	0	0	13	0	0	0	0	0	28
9:15 PM	0	7	1	0	1	0	0	9	1	0	0	0	0	19
9:30 PM	0	7	1	0	0	0	0	9	0	0	0	0	0	17
9:45 PM	1	5	5	0	1	0	0	17	0	0	0	0	0	29
Hour Total	1	27	11	0	5	0	0	48	1	0	0	0	0	93
10:00 PM	0	8	1	0	0	0	0	11	0	0	0	0	0	20
10:15 PM	0	3	3	0	2	0	0	6	0	0	0	0	0	14
10:30 PM	0	8	0	0	1	0	0	6	0	0	0	0	0	15
10:45 PM	0	2	0	0	0	0	0	6	0	0	0	0	0	8
Hour Total	0	21	4	0	3	0	0	29	0	0	0	0	0	57
11:00 PM	0	2	2	0	0	0	0	7	0	0	0	0	0	11
11:15 PM	0	8	0	0	1	0	0	7	0	0	0	0	0	16
11:30 PM	0	6	0	0	0	0	0	7	0	0	0	0	0	13
11:45 PM	0	2	0	0	0	0	0	5	0	0	0	0	0	7
Hour Total	0	18	2	0	1	0	0	26	0	0	0	0	0	47
Totals	9	1427	360	13	215	24	0	977	38	2	83	0	0	3148
Percent	0.3%	45.3%	11.4%	0.4%	6.8%	0.8%	0.0%	31.0%	1.2%	0.1%	2.6%	0.0%	0.0%	

Class Report - Prepared by: NDS/ATD

North of I-580/Mountain House Parkway interchange and ramps (Outside lanes only)

Tracy

Project #:11-7199-002s Date: 5/4/2011 WEDNESDAY

South Bound

Begin Time	Bikes	Cars & Tlrs	2 Axle Long	Buses	2 Axle 6 Tire	3 Axle Single	4 Axle Single	<5 Axle Double	5 Axle Double	>5 Axle Double	<6 Axle Multi	6 Axle Multi	>6 Axle Multi	Total
12:00 AM	0	3	0	0	0	0	0	2	0	0	0	0	0	5
12:15 AM	0	5	0	0	0	0	0	7	0	0	0	0	0	12
12:30 AM	0	2	0	0	0	0	0	2	0	0	0	0	0	4
12:45 AM	0	2	0	0	0	0	0	3	0	0	0	0	0	5
Hour Total	0	12	0	0	0	0	0	14	0	0	0	0	0	26
1:00 AM	0	2	1	0	0	0	0	6	0	0	0	0	0	9
1:15 AM	0	0	0	0	0	0	0	2	0	0	0	0	0	2
1:30 AM	0	1	0	0	0	0	0	4	0	0	0	0	0	5
1:45 AM	0	2	0	0	0	0	0	3	1	0	0	0	0	6
Hour Total	0	5	1	0	0	0	0	15	1	0	0	0	0	22
2:00 AM	0	2	1	0	0	0	0	3	0	0	0	0	0	6
2:15 AM	0	3	1	0	0	0	0	1	0	0	0	0	0	5
2:30 AM	0	3	0	0	0	0	0	5	1	0	0	0	0	9
2:45 AM	0	1	0	0	0	0	0	1	0	0	0	0	0	2
Hour Total	0	9	2	0	0	0	0	10	1	0	0	0	0	22
3:00 AM	0	3	0	0	0	0	0	7	0	0	0	0	0	10
3:15 AM	0	5	0	0	0	0	0	9	1	0	0	0	0	15
3:30 AM	0	6	0	0	0	0	0	6	1	1	0	0	0	14
3:45 AM	0	9	0	0	0	1	0	6	0	0	0	0	0	16
Hour Total	0	23	0	0	0	1	0	28	2	1	0	0	0	55
4:00 AM	0	9	2	0	0	1	0	5	1	0	0	0	0	18
4:15 AM	0	23	1	0	0	1	0	10	1	0	0	0	0	36
4:30 AM	0	18	3	1	0	1	0	13	0	0	0	0	0	36
4:45 AM	0	21	4	2	0	0	1	12	3	1	1	0	0	45
Hour Total	0	71	10	3	0	3	1	40	5	1	1	0	0	135
5:00 AM	0	35	7	0	1	1	0	10	1	0	1	0	0	56
5:15 AM	0	59	8	0	4	3	0	9	2	0	2	0	0	87
5:30 AM	0	57	4	2	2	2	0	8	5	0	0	1	0	81
5:45 AM	0	52	10	1	1	2	2	7	4	1	1	0	0	81
Hour Total	0	203	29	3	8	8	2	34	12	1	4	1	0	305
6:00 AM	0	76	11	2	4	2	0	9	4	0	0	0	0	108
6:15 AM	0	65	6	0	3	2	0	8	1	0	0	0	0	85
6:30 AM	0	61	12	7	3	4	0	5	3	0	0	0	0	95
6:45 AM	0	51	10	1	1	1	0	8	3	0	0	0	0	75
Hour Total	0	253	39	10	11	9	0	30	11	0	0	0	0	363
7:00 AM	0	44	10	2	1	1	0	13	3	0	0	0	0	74
7:15 AM	0	44	8	0	1	2	0	6	1	0	0	0	0	62
7:30 AM	0	44	7	0	1	1	0	6	1	0	1	0	0	61
7:45 AM	0	23	4	0	0	1	0	10	2	0	0	0	0	40
Hour Total	0	155	29	2	3	5	0	35	7	0	1	0	0	237

8:00 AM	0	30	4	0	2	1	0	6	1	0	0	0	0	44
8:15 AM	0	25	7	1	1	1	0	9	3	0	0	0	0	47
8:30 AM	0	26	4	2	0	2	0	8	0	0	0	0	0	42
8:45 AM	0	21	3	1	0	1	0	14	1	0	0	0	0	41
Hour Total	0	102	18	4	3	5	0	37	5	0	0	0	0	174
9:00 AM	0	18	1	1	0	1	0	11	2	0	1	0	0	35
9:15 AM	0	11	3	0	1	0	0	6	2	0	2	0	0	25
9:30 AM	0	18	5	0	1	1	0	7	0	0	0	0	0	32
9:45 AM	0	21	4	1	1	1	0	9	3	0	1	0	0	41
Hour Total	0	68	13	2	3	3	0	33	7	0	4	0	0	133
10:00 AM	1	12	5	0	1	1	0	11	3	0	0	0	0	34
10:15 AM	0	24	7	0	1	1	0	10	1	0	0	0	0	44
10:30 AM	0	15	3	1	0	1	0	13	3	1	2	0	0	39
10:45 AM	0	18	3	0	1	0	1	7	0	0	2	0	0	32
Hour Total	1	69	18	1	3	3	1	41	7	1	4	0	0	149
11:00 AM	0	8	5	1	1	0	0	9	1	1	1	0	0	27
11:15 AM	0	23	5	2	1	0	0	13	1	0	1	0	0	46
11:30 AM	0	13	3	0	0	1	0	11	2	0	1	0	0	31
11:45 AM	0	17	4	2	1	0	0	15	4	0	1	0	0	44
Hour Total	0	61	17	5	3	1	0	48	8	1	4	0	0	148
12:00 PM	0	19	4	0	0	0	0	11	2	1	1	0	0	38
12:15 PM	0	11	0	0	0	0	1	10	1	0	1	0	0	24
12:30 PM	0	16	4	0	1	0	0	10	2	0	0	0	0	33
12:45 PM	0	20	4	0	1	1	0	6	2	1	0	0	0	35
Hour Total	0	66	12	0	2	1	1	37	7	2	2	0	0	130
1:00 PM	0	16	1	0	0	1	0	10	1	0	0	0	0	29
1:15 PM	0	21	2	0	1	0	0	16	0	0	0	0	0	40
1:30 PM	1	19	1	0	0	1	0	11	2	0	0	0	0	35
1:45 PM	0	10	4	1	0	0	0	8	3	1	0	0	0	27
Hour Total	1	66	8	1	1	2	0	45	6	1	0	0	0	131
2:00 PM	0	15	4	1	1	1	0	7	3	0	0	0	0	32
2:15 PM	0	20	5	0	0	0	0	7	2	0	0	0	0	34
2:30 PM	0	25	9	1	2	0	0	6	1	0	2	0	0	46
2:45 PM	0	23	2	1	1	0	0	12	1	0	0	0	0	40
Hour Total	0	83	20	3	4	1	0	32	7	0	2	0	0	152
3:00 PM	0	16	3	0	0	1	0	9	1	1	0	0	0	31
3:15 PM	0	16	7	0	0	0	0	10	0	0	0	0	0	33
3:30 PM	0	23	3	2	1	0	0	5	2	0	0	0	0	36
3:45 PM	0	24	3	0	1	1	0	4	0	0	0	0	0	33
Hour Total	0	79	16	2	2	2	0	28	3	1	0	0	0	133

4:00 PM	0	26	6	0	0	1	0	6	1	0	0	0	0	40
4:15 PM	0	20	6	0	1	1	0	5	0	0	0	0	0	33
4:30 PM	0	28	2	1	0	2	0	6	0	0	0	0	0	39
4:45 PM	0	26	4	1	0	0	0	6	1	0	0	0	0	38
Hour Total	0	100	18	2	1	4	0	23	2	0	0	0	0	150
5:00 PM	0	23	9	1	0	1	0	5	1	0	1	0	0	41
5:15 PM	0	24	3	2	1	1	0	8	0	0	0	0	0	39
5:30 PM	0	15	1	0	1	0	0	5	0	0	0	0	0	22
5:45 PM	0	13	2	0	0	0	0	2	1	0	0	0	0	18
Hour Total	0	75	15	3	2	2	0	20	2	0	1	0	0	120
6:00 PM	0	12	3	0	0	1	0	4	1	0	0	0	0	21
6:15 PM	0	9	5	2	1	0	0	4	1	0	0	0	0	22
6:30 PM	0	13	2	0	1	0	0	5	0	0	0	0	0	21
6:45 PM	0	8	3	0	0	0	0	6	1	0	0	0	0	18
Hour Total	0	42	13	2	2	1	0	19	3	0	0	0	0	82
7:00 PM	0	6	2	0	0	0	0	9	0	0	0	0	0	17
7:15 PM	0	11	1	0	0	0	0	9	0	0	0	0	0	21
7:30 PM	0	6	1	0	0	0	0	4	1	0	0	0	0	12
7:45 PM	0	6	1	0	0	0	0	8	0	0	0	0	0	15
Hour Total	0	29	5	0	0	0	0	30	1	0	0	0	0	65
8:00 PM	0	9	0	0	0	0	0	5	1	0	0	0	0	15
8:15 PM	0	8	4	0	0	0	0	3	0	0	0	0	0	15
8:30 PM	0	7	0	1	0	0	0	4	2	0	0	0	0	14
8:45 PM	0	6	1	1	0	0	0	3	0	0	0	0	0	11
Hour Total	0	30	5	2	0	0	0	15	3	0	0	0	0	55
9:00 PM	0	4	1	0	0	0	0	1	0	0	0	0	0	6
9:15 PM	0	9	2	0	0	1	0	5	1	0	0	0	0	18
9:30 PM	0	7	0	0	0	0	0	10	1	0	0	0	0	18
9:45 PM	0	2	0	0	0	0	0	2	0	0	0	0	0	4
Hour Total	0	22	3	0	0	1	0	18	2	0	0	0	0	46
10:00 PM	0	6	0	0	0	0	0	2	0	0	0	0	0	8
10:15 PM	0	17	3	0	0	0	0	6	0	0	0	0	0	26
10:30 PM	0	5	0	0	0	0	0	3	1	0	0	0	0	9
10:45 PM	0	6	1	0	0	0	0	3	0	0	0	0	0	10
Hour Total	0	34	4	0	0	0	0	14	1	0	0	0	0	53
11:00 PM	0	4	0	0	0	0	1	2	0	0	0	0	0	7
11:15 PM	0	7	1	0	0	0	0	3	0	0	0	0	0	11
11:30 PM	0	6	0	0	0	0	0	1	0	0	0	0	0	7
11:45 PM	0	4	1	0	0	0	0	4	0	0	0	0	0	9
Hour Total	0	21	2	0	0	0	1	10	0	0	0	0	0	34
Totals	2	1678	297	45	48	52	6	656	103	9	23	1	0	2920
Percent	0.1%	57.5%	10.2%	1.5%	1.6%	1.8%	0.2%	22.5%	3.5%	0.3%	0.8%	0.0%	0.0%	

Class Report - Prepared by: NDS/ATD

North of I-580/Mountain House Parkway interchange and ramps (Outside lanes only)

Tracy

Project #:11-7199-002s Date: 5/4/2011 WEDNESDAY

North Bound, South Bound

Begin Time	Bikes	Cars & Tlrs	2 Axle Long	Buses	2 Axle 6 Tire	3 Axle Single	4 Axle Single	<5 Axle Double	5 Axle Double	>5 Axle Double	<6 Axle Multi	6 Axle Multi	>6 Axle Multi	Total
12:00 AM	0	8	0	0	0	0	0	10	1	0	0	0	0	19
12:15 AM	0	10	1	0	0	0	0	17	1	0	0	0	0	29
12:30 AM	0	4	1	0	2	0	0	5	0	0	0	0	0	12
12:45 AM	0	3	0	0	0	0	0	6	0	0	0	0	0	9
Hour Total	0	25	2	0	2	0	0	38	2	0	0	0	0	69
1:00 AM	0	2	3	0	1	0	0	14	1	0	0	0	0	21
1:15 AM	0	6	0	0	1	0	0	13	0	0	0	0	0	20
1:30 AM	0	4	0	0	0	0	0	8	0	0	0	0	0	12
1:45 AM	0	5	0	0	0	0	0	13	1	0	0	0	0	19
Hour Total	0	17	3	0	2	0	0	48	2	0	0	0	0	72
2:00 AM	0	9	3	0	3	0	0	12	0	0	0	0	0	27
2:15 AM	0	13	3	0	1	0	0	9	1	0	0	0	0	27
2:30 AM	0	13	4	0	1	0	0	13	1	0	0	0	0	32
2:45 AM	0	8	3	0	1	0	0	10	1	0	0	0	0	23
Hour Total	0	43	13	0	6	0	0	44	3	0	0	0	0	109
3:00 AM	0	7	1	0	0	0	0	22	0	0	0	0	0	30
3:15 AM	0	9	1	0	0	0	0	20	1	0	0	0	0	31
3:30 AM	0	10	1	0	1	0	0	12	1	1	0	0	0	26
3:45 AM	0	12	3	1	1	1	0	16	0	0	1	0	0	35
Hour Total	0	38	6	1	2	1	0	70	2	1	1	0	0	122
4:00 AM	0	13	4	0	0	1	0	19	1	0	0	0	0	38
4:15 AM	0	30	3	0	1	1	0	20	1	0	0	0	0	56
4:30 AM	0	25	4	1	0	1	0	26	0	0	0	0	0	57
4:45 AM	0	37	4	2	0	0	1	23	3	1	1	0	0	72
Hour Total	0	105	15	3	1	3	1	88	5	1	1	0	0	223
5:00 AM	0	44	11	0	2	1	0	25	1	0	1	0	0	85
5:15 AM	0	82	10	0	5	3	0	18	4	0	3	0	0	125
5:30 AM	0	94	9	3	4	2	0	19	7	0	0	1	0	139
5:45 AM	0	81	12	4	9	2	2	22	4	1	4	0	0	141
Hour Total	0	301	42	7	20	8	2	84	16	1	8	1	0	490
6:00 AM	0	90	15	2	8	2	0	25	5	0	0	0	0	147
6:15 AM	0	75	7	0	7	2	0	23	2	0	2	0	0	118
6:30 AM	0	78	20	7	5	5	0	19	4	0	1	0	0	139
6:45 AM	0	62	16	2	3	2	0	26	4	0	3	0	0	118
Hour Total	0	305	58	11	23	11	0	93	15	0	6	0	0	522
7:00 AM	0	53	16	2	4	2	0	30	3	0	0	0	0	110
7:15 AM	0	50	11	0	1	3	0	29	1	0	1	0	0	96
7:30 AM	0	57	11	0	2	1	0	26	1	0	5	0	0	103
7:45 AM	0	35	9	0	1	1	0	26	2	0	1	0	0	75
Hour Total	0	195	47	2	8	7	0	111	7	0	7	0	0	384

8:00 AM	1	43	8	0	3	2	0	19	1	0	2	0	0	79
8:15 AM	0	30	9	3	4	2	0	21	4	0	0	0	0	73
8:30 AM	0	31	4	2	2	2	0	18	0	0	2	0	0	61
8:45 AM	0	29	8	2	0	3	0	25	2	0	1	0	0	70
Hour Total	1	133	29	7	9	9	0	83	7	0	5	0	0	283
9:00 AM	0	22	6	1	2	1	0	27	2	0	1	0	0	62
9:15 AM	0	16	4	0	3	1	0	20	3	0	3	0	0	50
9:30 AM	0	30	7	0	3	1	0	22	0	0	3	0	0	66
9:45 AM	0	24	10	1	1	1	0	24	3	0	3	0	0	67
Hour Total	0	92	27	2	9	4	0	93	8	0	10	0	0	245
10:00 AM	2	15	6	0	2	1	0	19	3	0	3	0	0	51
10:15 AM	0	29	11	0	2	2	0	26	1	0	1	0	0	72
10:30 AM	0	19	6	1	1	1	0	24	3	1	3	0	0	59
10:45 AM	0	31	4	1	2	1	1	22	1	0	4	0	0	67
Hour Total	2	94	27	2	7	5	1	91	8	1	11	0	0	249
11:00 AM	1	17	9	1	1	1	0	22	3	1	5	0	0	61
11:15 AM	1	27	10	3	4	0	0	37	1	0	2	0	0	85
11:30 AM	0	31	7	0	4	2	0	26	3	0	3	0	0	76
11:45 AM	0	29	12	2	4	1	0	26	5	0	5	0	0	84
Hour Total	2	104	38	6	13	4	0	111	12	1	15	0	0	306
12:00 PM	1	28	9	0	3	0	0	24	2	1	2	0	0	70
12:15 PM	0	24	1	0	1	0	1	25	1	0	6	0	0	59
12:30 PM	0	22	6	0	2	0	0	25	3	0	0	0	0	58
12:45 PM	1	31	5	0	3	3	0	15	3	1	1	0	0	63
Hour Total	2	105	21	0	9	3	1	89	9	2	9	0	0	250
1:00 PM	2	28	3	0	3	1	0	21	2	0	3	0	0	63
1:15 PM	0	31	4	0	4	0	0	29	0	0	2	0	0	70
1:30 PM	1	31	6	0	2	1	0	22	2	0	1	0	0	66
1:45 PM	0	28	5	2	0	1	0	12	4	1	0	0	0	53
Hour Total	3	118	18	2	9	3	0	84	8	1	6	0	0	252
2:00 PM	0	33	7	1	5	2	0	11	3	0	5	0	0	67
2:15 PM	0	28	7	0	2	0	0	21	3	0	2	0	0	63
2:30 PM	0	48	10	1	5	0	0	15	1	0	4	0	0	84
2:45 PM	0	56	10	1	3	1	0	24	2	0	1	0	0	98
Hour Total	0	165	34	3	15	3	0	71	9	0	12	0	0	312
3:00 PM	0	44	7	0	1	1	0	14	1	1	2	0	0	71
3:15 PM	0	46	10	0	6	1	0	17	1	0	4	0	0	85
3:30 PM	0	50	11	2	7	0	0	11	2	1	1	0	0	85
3:45 PM	0	59	13	0	5	1	0	9	0	0	4	0	0	91
Hour Total	0	199	41	2	19	3	0	51	4	2	11	0	0	332

4:00 PM	0	59	12	0	7	1	0	11	2	0	1	0	0	93
4:15 PM	0	68	17	0	9	1	0	12	2	0	1	0	0	110
4:30 PM	0	67	23	1	8	2	0	12	3	0	0	0	0	116
4:45 PM	0	79	18	1	11	0	0	9	1	0	1	0	0	120
Hour Total	0	273	70	2	35	4	0	44	8	0	3	0	0	439
5:00 PM	0	64	22	1	5	2	0	17	2	0	1	0	0	114
5:15 PM	0	76	17	2	6	1	0	16	0	0	0	0	0	118
5:30 PM	0	66	18	0	13	1	0	13	1	0	0	0	0	112
5:45 PM	0	73	11	0	5	1	0	10	1	0	0	0	0	101
Hour Total	0	279	68	3	29	5	0	56	4	0	1	0	0	445
6:00 PM	0	56	13	0	4	1	0	8	1	0	0	0	0	83
6:15 PM	0	56	12	2	7	0	0	7	1	0	0	0	0	85
6:30 PM	0	41	8	0	5	0	0	10	0	0	0	0	0	64
6:45 PM	0	30	6	1	5	0	0	13	1	0	0	0	0	56
Hour Total	0	183	39	3	21	1	0	38	3	0	0	0	0	288
7:00 PM	0	35	5	0	2	0	0	17	0	0	0	0	0	59
7:15 PM	0	32	2	0	1	0	0	15	0	0	0	0	0	50
7:30 PM	0	16	3	0	1	0	0	7	1	0	0	0	0	28
7:45 PM	0	21	5	0	3	0	0	16	1	0	0	0	0	46
Hour Total	0	104	15	0	7	0	0	55	2	0	0	0	0	183
8:00 PM	0	26	6	0	2	0	0	14	1	0	0	0	0	49
8:15 PM	0	18	7	0	1	0	0	7	0	0	0	0	0	33
8:30 PM	0	25	3	1	4	0	0	13	2	1	0	0	0	49
8:45 PM	0	15	2	1	1	1	0	12	0	0	0	0	0	32
Hour Total	0	84	18	2	8	1	0	46	3	1	0	0	0	163
9:00 PM	0	12	5	0	3	0	0	14	0	0	0	0	0	34
9:15 PM	0	16	3	0	1	1	0	14	2	0	0	0	0	37
9:30 PM	0	14	1	0	0	0	0	19	1	0	0	0	0	35
9:45 PM	1	7	5	0	1	0	0	19	0	0	0	0	0	33
Hour Total	1	49	14	0	5	1	0	66	3	0	0	0	0	139
10:00 PM	0	14	1	0	0	0	0	13	0	0	0	0	0	28
10:15 PM	0	20	6	0	2	0	0	12	0	0	0	0	0	40
10:30 PM	0	13	0	0	1	0	0	9	1	0	0	0	0	24
10:45 PM	0	8	1	0	0	0	0	9	0	0	0	0	0	18
Hour Total	0	55	8	0	3	0	0	43	1	0	0	0	0	110
11:00 PM	0	6	2	0	0	0	1	9	0	0	0	0	0	18
11:15 PM	0	15	1	0	1	0	0	10	0	0	0	0	0	27
11:30 PM	0	12	0	0	0	0	0	8	0	0	0	0	0	20
11:45 PM	0	6	1	0	0	0	0	9	0	0	0	0	0	16
Hour Total	0	39	4	0	1	0	1	36	0	0	0	0	0	81
Totals	11	3105	657	58	263	76	6	1633	141	11	106	1	0	6068
Percent	0.2%	51.2%	10.8%	1.0%	4.3%	1.3%	0.1%	26.9%	2.3%	0.2%	1.7%	0.0%	0.0%	

5/4/2011 City: Tracy Project #: 11-7199-002s

Location: North of I-580/Mountain House Parkway interchange and ramps (Outside lanes only)

Start	Southbound		Hour Totals		Northbound		Hour Totals		Combined Totals	
Time	Morning	Afternoon	Morning	Afternoon	Morning	Afternoon	Morning	Afternoon	Morning	Afternoon
12:00	5	38			14	32				
12:15	12	24			17	35				
12:30	4	33			8	25				
12:45	5	35	26	130	4	28	43	120	69	250
1:00	9	29			12	34				
1:15	2	40			18	30				
1:30	5	35			7	31				
1:45	6	27	22	131	13	26	50	121	72	252
2:00	6	32			21	35				
2:15	5	34			22	29				
2:30	9	46			23	38				
2:45	2	40	22	152	21	58	87	160	109	312
3:00	10	31			20	40				
3:15	15	33			16	52				
3:30	14	36			12	49				
3:45	16	33	55	133	19	58	67	199	122	332
4:00	18	40			20	53				
4:15	36	33			20	77				
4:30	36	39			21	77				
4:45	45	38	135	150	27	82	88	289	223	439
5:00	56	41			29	73				
5:15	87	39			38	79				
5:30	81	22			58	90				
5:45	81	18	305	120	60	83	185	325	490	445
6:00	108	21			39	62				
6:15	85	22			33	63				
6:30	95	21			44	43				
6:45	75	18	363	82	43	38	159	206	522	288
7:00	74	17			36	42				
7:15	62	21			34	29				
7:30	61	12			42	16				
7:45	40	15	237	65	35	31	147	118	384	183
8:00	44	15			35	34				
8:15	47	15			26	18				
8:30	42	14			19	35				
8:45	41	11	174	55	29	21	109	108	283	163
9:00	35	6			27	28				
9:15	25	18			25	19				
9:30	32	18			34	17				
9:45	41	4	133	46	26	29	112	93	245	139
10:00	34	8			17	20				
10:15	44	26			28	14				
10:30	39	9			20	15				
10:45	32	10	149	53	35	8	100	57	249	110
11:00	27	7			34	11				
11:15	46	11			39	16				
11:30	31	7			45	13				
11:45	44	9	148	34	40	7	158	47	306	81
Total	1769	1151	1769	1151	1305	1843	1305	1843	3074	2994
Combined Total	2920		2920		3148		3148		6068	
AM Peak	5:45 AM				5:15 AM					
Vol.	369				195					
P.H.F.	0.854				0.813					
PM Peak		4:30 PM				5:00 PM				
Vol.		157				325				
P.H.F.		0.957				0.903				
Percentage	60.6%	39.4%			41.5%	58.5%				

Class Report - Prepared by: NDS/ATD

North of I-580/Mountain House Parkway interchange and ramps (Inside lanes only)

Tracy

Project #:11-7199-002n Date: 5/5/2011 THURSDAY

North Bound

Begin Time	Bikes	Cars & Tlrs	2 Axle Long	Buses	2 Axle 6 Tire	3 Axle Single	4 Axle Single	<5 Axle Double	5 Axle Double	>5 Axle Double	<6 Axle Multi	6 Axle Multi	>6 Axle Multi	Total
12:00 AM	0	1	0	1	0	0	0	1	0	0	0	0	0	3
12:15 AM	0	1	2	1	0	0	0	1	0	0	0	0	0	5
12:30 AM	0	2	2	0	0	0	0	1	0	0	1	0	0	6
12:45 AM	0	1	2	0	1	0	0	2	0	0	0	0	0	6
Hour Total	0	5	6	2	1	0	0	5	0	0	1	0	0	20
1:00 AM	0	9	1	0	0	0	0	3	0	0	0	0	0	13
1:15 AM	0	1	0	0	0	0	0	5	0	0	0	0	0	6
1:30 AM	0	0	1	0	0	0	0	0	0	0	0	0	0	1
1:45 AM	0	2	0	0	0	0	0	0	0	0	0	0	0	2
Hour Total	0	12	2	0	0	0	0	8	0	0	0	0	0	22
2:00 AM	0	1	0	0	1	0	0	1	0	0	0	0	0	3
2:15 AM	0	0	0	0	0	0	0	2	0	0	0	0	0	2
2:30 AM	0	2	0	0	0	0	0	2	0	0	0	0	0	4
2:45 AM	0	2	0	0	1	1	0	4	0	0	0	0	0	8
Hour Total	0	5	0	0	2	1	0	9	0	0	0	0	0	17
3:00 AM	0	0	0	0	1	0	0	0	0	0	0	0	0	1
3:15 AM	0	1	1	0	0	0	0	1	0	0	1	0	0	4
3:30 AM	0	2	1	0	0	0	0	2	0	0	0	0	0	5
3:45 AM	0	1	2	0	1	0	0	2	0	0	0	0	0	6
Hour Total	0	4	4	0	2	0	0	5	0	0	1	0	0	16
4:00 AM	0	2	1	0	1	0	0	1	0	0	0	0	0	5
4:15 AM	0	3	1	0	1	0	0	4	0	0	0	0	0	9
4:30 AM	0	3	2	0	0	0	0	1	0	0	0	0	0	6
4:45 AM	0	12	1	0	1	0	0	4	0	0	0	0	0	18
Hour Total	0	20	5	0	3	0	0	10	0	0	0	0	0	38
5:00 AM	0	6	2	0	1	0	0	5	0	0	0	0	0	14
5:15 AM	0	9	1	0	1	0	0	1	0	0	0	0	0	12
5:30 AM	0	7	2	0	3	1	0	1	2	0	1	0	0	17
5:45 AM	0	5	6	0	3	0	0	5	0	0	1	0	0	20
Hour Total	0	27	11	0	8	1	0	12	2	0	2	0	0	63
6:00 AM	0	7	4	0	1	0	0	2	1	0	1	1	0	17
6:15 AM	0	11	4	0	4	0	0	5	0	0	1	0	0	25
6:30 AM	0	8	4	0	5	1	0	1	2	0	0	0	0	21
6:45 AM	0	12	6	1	3	0	0	1	1	0	2	0	0	26
Hour Total	0	38	18	1	13	1	0	9	4	0	4	1	0	89
7:00 AM	0	6	3	0	3	0	0	4	0	0	0	0	0	16
7:15 AM	0	12	6	0	3	0	0	3	1	0	0	0	0	25
7:30 AM	0	11	2	1	4	0	0	2	0	0	0	0	0	20
7:45 AM	0	17	2	0	2	0	0	5	0	0	0	0	0	26
Hour Total	0	46	13	1	12	0	0	14	1	0	0	0	0	87

8:00 AM	0	11	1	0	2	0	0	4	0	0	1	0	0	19
8:15 AM	0	9	7	0	3	0	0	3	1	0	1	0	0	24
8:30 AM	0	9	0	0	1	0	0	4	0	0	0	0	0	14
8:45 AM	0	11	2	0	2	1	0	4	0	0	0	0	0	20
Hour Total	0	40	10	0	8	1	0	15	1	0	2	0	0	77
9:00 AM	1	6	2	0	1	0	0	2	1	0	2	0	0	15
9:15 AM	0	7	4	1	0	0	0	2	0	0	0	0	0	14
9:30 AM	0	10	5	0	1	0	0	3	0	0	0	0	0	19
9:45 AM	0	14	4	1	2	0	0	1	0	0	1	0	0	23
Hour Total	1	37	15	2	4	0	0	8	1	0	3	0	0	71
10:00 AM	0	4	2	1	2	2	0	1	0	0	0	0	0	12
10:15 AM	0	8	3	0	2	0	0	2	1	0	1	0	0	17
10:30 AM	0	14	7	1	4	1	0	1	0	0	2	0	0	30
10:45 AM	0	9	2	0	0	0	0	2	0	0	0	0	0	13
Hour Total	0	35	14	2	8	3	0	6	1	0	3	0	0	72
11:00 AM	0	6	4	0	5	0	0	2	2	0	1	0	0	20
11:15 AM	0	5	1	0	2	0	0	2	0	0	0	0	0	10
11:30 AM	0	11	4	0	1	0	0	4	0	0	0	0	0	20
11:45 AM	0	3	3	2	3	0	0	0	0	0	0	0	0	11
Hour Total	0	25	12	2	11	0	0	8	2	0	1	0	0	61
12:00 PM	0	8	9	0	4	0	0	2	0	0	0	0	0	23
12:15 PM	0	7	6	0	2	0	0	3	0	0	0	0	0	18
12:30 PM	0	7	5	1	1	0	0	4	0	0	3	0	0	21
12:45 PM	0	9	0	0	5	0	0	2	0	0	0	0	0	16
Hour Total	0	31	20	1	12	0	0	11	0	0	3	0	0	78
1:00 PM	1	12	8	0	3	0	0	2	1	0	0	0	0	27
1:15 PM	0	20	5	1	1	0	0	3	1	0	0	0	0	31
1:30 PM	1	23	7	0	1	0	0	2	3	0	0	0	0	37
1:45 PM	0	11	3	0	1	0	0	4	1	0	0	0	0	20
Hour Total	2	66	23	1	6	0	0	11	6	0	0	0	0	115
2:00 PM	0	10	4	0	1	0	0	5	1	0	1	0	0	22
2:15 PM	0	13	5	0	4	0	0	2	0	0	0	0	0	24
2:30 PM	0	22	8	0	2	0	0	1	0	0	1	0	0	34
2:45 PM	0	15	0	0	3	0	0	2	1	0	0	0	0	21
Hour Total	0	60	17	0	10	0	0	10	2	0	2	0	0	101
3:00 PM	0	17	8	0	6	1	0	3	0	0	0	0	0	35
3:15 PM	0	22	6	1	1	1	0	3	0	0	0	0	0	34
3:30 PM	0	34	5	0	3	1	0	3	0	0	0	0	0	46
3:45 PM	0	26	7	0	4	0	0	1	0	0	0	0	0	38
Hour Total	0	99	26	1	14	3	0	10	0	0	0	0	0	153

4:00 PM	0	32	4	0	3	0	0	2	3	0	0	0	0	44
4:15 PM	1	18	13	0	3	0	0	2	1	0	1	0	0	39
4:30 PM	1	24	4	0	3	0	0	1	0	0	0	0	0	33
4:45 PM	0	19	9	1	3	1	0	1	0	0	0	0	0	34
Hour Total	2	93	30	1	12	1	0	6	4	0	1	0	0	150
5:00 PM	0	29	6	0	1	0	0	2	1	0	0	0	0	39
5:15 PM	0	29	3	0	3	0	0	2	0	0	0	0	0	37
5:30 PM	0	32	5	0	2	0	0	1	0	0	0	0	0	40
5:45 PM	0	25	3	0	3	1	0	1	0	0	0	0	0	33
Hour Total	0	115	17	0	9	1	0	6	1	0	0	0	0	149
6:00 PM	0	17	4	1	2	0	0	3	0	0	0	0	0	27
6:15 PM	0	13	1	0	1	0	0	2	0	0	0	0	0	17
6:30 PM	0	12	2	0	1	0	0	1	0	0	0	0	0	16
6:45 PM	1	8	2	0	1	0	0	1	0	0	0	0	0	13
Hour Total	1	50	9	1	5	0	0	7	0	0	0	0	0	73
7:00 PM	0	9	7	0	2	0	0	1	1	0	0	0	0	20
7:15 PM	0	7	1	0	1	0	0	0	1	0	0	0	0	10
7:30 PM	0	7	1	0	2	0	0	4	0	0	0	0	0	14
7:45 PM	0	5	1	0	0	0	0	0	0	0	0	0	0	6
Hour Total	0	28	10	0	5	0	0	5	2	0	0	0	0	50
8:00 PM	0	6	1	0	1	0	0	0	0	0	0	0	0	8
8:15 PM	0	8	3	0	2	0	0	3	0	0	0	0	0	16
8:30 PM	0	6	2	1	0	0	0	1	1	0	0	0	0	11
8:45 PM	0	6	1	0	0	0	0	1	0	0	0	0	0	8
Hour Total	0	26	7	1	3	0	0	5	1	0	0	0	0	43
9:00 PM	0	6	3	0	0	0	0	0	0	0	0	0	0	9
9:15 PM	0	6	1	0	0	0	0	0	0	0	0	0	0	7
9:30 PM	0	8	1	0	0	0	0	1	0	0	0	0	0	10
9:45 PM	0	5	2	0	2	0	0	3	0	0	0	0	0	12
Hour Total	0	25	7	0	2	0	0	4	0	0	0	0	0	38
10:00 PM	0	8	2	0	0	0	0	6	0	0	0	0	0	16
10:15 PM	0	2	0	0	0	0	0	1	1	0	0	0	0	4
10:30 PM	0	3	2	0	0	0	0	3	0	0	0	0	0	8
10:45 PM	0	0	1	0	0	0	0	2	0	0	0	0	0	3
Hour Total	0	13	5	0	0	0	0	12	1	0	0	0	0	31
11:00 PM	0	4	1	0	0	0	0	2	0	0	0	0	0	7
11:15 PM	0	3	1	0	0	0	0	0	0	0	0	0	0	4
11:30 PM	0	2	1	0	0	0	0	1	0	0	1	0	0	5
11:45 PM	0	2	1	0	0	0	0	1	0	0	1	0	0	5
Hour Total	0	11	4	0	0	0	0	4	0	0	2	0	0	21
Totals	6	911	285	16	150	12	0	200	29	0	25	1	0	1635
Percent	0.4%	55.7%	17.4%	1.0%	9.2%	0.7%	0.0%	12.2%	1.8%	0.0%	1.5%	0.1%	0.0%	

Class Report - Prepared by: NDS/ATD

North of I-580/Mountain House Parkway interchange and ramps (Inside lanes only)

Tracy

Project #:11-7199-002s Date: 5/5/2011 THURSDAY

South Bound

Begin Time	Bikes	Cars & Tlrs	2 Axle Long	Buses	2 Axle 6 Tire	3 Axle Single	4 Axle Single	<5 Axle Double	5 Axle Double	>5 Axle Double	<6 Axle Multi	6 Axle Multi	>6 Axle Multi	Total
12:00 AM	0	7	2	0	0	0	0	1	0	0	0	0	0	10
12:15 AM	0	3	1	0	0	1	0	4	0	0	0	0	0	9
12:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12:45 AM	0	4	0	1	0	0	0	1	0	0	0	0	0	6
Hour Total	0	14	3	1	0	1	0	6	0	0	0	0	0	25
1:00 AM	0	1	1	0	0	0	0	0	0	0	0	0	0	2
1:15 AM	0	1	0	0	1	0	0	1	1	0	0	0	0	4
1:30 AM	0	4	1	0	1	0	0	0	0	0	0	0	0	6
1:45 AM	0	3	0	0	0	0	0	1	0	0	0	0	0	4
Hour Total	0	9	2	0	2	0	0	2	1	0	0	0	0	16
2:00 AM	0	8	0	0	1	0	0	0	0	0	0	0	0	9
2:15 AM	0	0	0	0	1	1	0	2	0	0	0	0	0	4
2:30 AM	0	6	0	0	1	0	0	3	0	0	0	0	0	10
2:45 AM	0	2	1	0	0	0	0	0	0	0	0	0	0	3
Hour Total	0	16	1	0	3	1	0	5	0	0	0	0	0	26
3:00 AM	0	1	0	0	0	0	0	1	0	0	0	0	0	2
3:15 AM	0	4	0	0	0	1	0	3	0	0	0	0	0	8
3:30 AM	0	5	0	0	0	0	0	0	0	0	0	0	0	5
3:45 AM	1	7	0	0	1	0	0	4	0	0	0	0	0	13
Hour Total	1	17	0	0	1	1	0	8	0	0	0	0	0	28
4:00 AM	0	7	2	0	0	1	0	3	1	0	0	0	0	14
4:15 AM	0	11	1	1	2	1	0	2	0	0	0	0	0	18
4:30 AM	0	15	3	0	2	0	0	3	0	0	0	0	0	23
4:45 AM	0	15	7	0	2	1	0	3	0	0	2	0	0	30
Hour Total	0	48	13	1	6	3	0	11	1	0	2	0	0	85
5:00 AM	0	16	2	0	6	0	0	1	0	0	1	0	0	26
5:15 AM	0	25	8	0	5	0	0	0	0	0	1	0	0	39
5:30 AM	0	39	7	0	9	0	0	0	0	0	3	0	0	58
5:45 AM	0	43	11	0	14	1	0	3	0	0	4	0	0	76
Hour Total	0	123	28	0	34	1	0	4	0	0	9	0	0	199
6:00 AM	0	50	12	0	7	0	0	2	3	0	1	0	0	75
6:15 AM	0	64	23	0	13	1	0	6	3	0	1	1	0	112
6:30 AM	0	72	26	1	17	0	0	4	0	0	0	0	0	120
6:45 AM	0	66	13	0	7	1	0	4	0	0	1	0	0	92
Hour Total	0	252	74	1	44	2	0	16	6	0	3	1	0	399
7:00 AM	0	71	18	0	2	0	0	6	0	0	0	0	0	97
7:15 AM	0	53	10	0	7	0	0	4	0	0	0	0	0	74
7:30 AM	2	47	16	0	7	0	0	8	0	0	1	0	0	81
7:45 AM	0	31	7	3	4	1	0	4	3	0	1	0	0	54
Hour Total	2	202	51	3	20	1	0	22	3	0	2	0	0	306

8:00 AM	0	16	7	0	6	0	0	4	1	0	1	0	0	35
8:15 AM	0	14	6	0	4	0	0	5	0	0	2	0	0	31
8:30 AM	0	17	5	0	3	0	0	8	2	0	2	0	0	37
8:45 AM	0	9	6	0	3	0	0	5	0	0	0	0	0	23
Hour Total	0	56	24	0	16	0	0	22	3	0	5	0	0	126
9:00 AM	0	8	2	0	3	1	0	1	0	0	1	1	0	17
9:15 AM	0	11	2	0	4	0	0	10	1	0	5	0	0	33
9:30 AM	0	15	2	0	4	0	0	3	0	0	2	0	0	26
9:45 AM	0	8	3	0	1	0	0	5	0	0	1	0	0	18
Hour Total	0	42	9	0	12	1	0	19	1	0	9	1	0	94
10:00 AM	0	11	8	0	6	0	0	10	1	0	0	0	0	36
10:15 AM	0	4	2	2	0	1	0	4	2	0	2	0	0	17
10:30 AM	0	10	1	0	4	0	0	2	1	0	2	0	0	20
10:45 AM	0	4	2	0	4	1	0	9	1	0	3	0	0	24
Hour Total	0	29	13	2	14	2	0	25	5	0	7	0	0	97
11:00 AM	0	12	1	0	1	1	0	3	0	0	4	0	0	22
11:15 AM	0	6	5	0	6	3	0	5	0	0	4	0	0	29
11:30 AM	0	10	4	0	4	0	0	8	0	0	2	0	0	28
11:45 AM	0	6	2	0	1	0	0	3	1	0	2	0	0	15
Hour Total	0	34	12	0	12	4	0	19	1	0	12	0	0	94
12:00 PM	1	13	3	1	5	0	0	3	2	0	2	0	0	30
12:15 PM	0	14	1	1	1	1	0	8	0	0	5	0	0	31
12:30 PM	0	8	2	1	4	0	0	7	1	0	4	0	0	27
12:45 PM	0	13	5	0	3	0	0	5	0	0	1	0	0	27
Hour Total	1	48	11	3	13	1	0	23	3	0	12	0	0	115
1:00 PM	0	14	2	0	2	0	0	5	0	0	2	0	0	25
1:15 PM	0	11	3	0	1	2	0	6	1	0	4	0	0	28
1:30 PM	0	13	6	0	1	0	0	4	1	0	2	0	0	27
1:45 PM	0	6	3	0	4	0	0	4	1	0	1	0	0	19
Hour Total	0	44	14	0	8	2	0	19	3	0	9	0	0	99
2:00 PM	0	15	1	0	3	0	0	5	0	0	2	0	0	26
2:15 PM	0	8	7	0	3	1	0	4	1	0	1	0	0	25
2:30 PM	2	22	6	0	1	0	0	5	2	0	0	0	0	38
2:45 PM	1	11	4	0	2	0	0	3	0	0	1	0	0	22
Hour Total	3	56	18	0	9	1	0	17	3	0	4	0	0	111
3:00 PM	0	21	5	0	1	0	0	3	2	0	0	0	0	32
3:15 PM	0	13	6	1	2	0	0	3	1	0	0	0	0	26
3:30 PM	0	25	4	0	4	2	0	1	0	0	0	0	0	36
3:45 PM	0	11	3	1	4	2	0	4	0	0	0	0	0	25
Hour Total	0	70	18	2	11	4	0	11	3	0	0	0	0	119

4:00 PM	1	13	6	0	7	0	0	4	0	0	0	0	0	31
4:15 PM	1	14	7	0	5	0	0	3	1	0	1	0	0	32
4:30 PM	0	20	10	2	3	0	0	4	1	0	0	0	0	40
4:45 PM	0	12	3	0	5	0	0	2	0	0	0	0	0	22
Hour Total	2	59	26	2	20	0	0	13	2	0	1	0	0	125
5:00 PM	0	14	3	0	5	0	0	5	0	0	1	0	0	28
5:15 PM	0	26	1	0	1	0	0	1	0	0	0	0	0	29
5:30 PM	0	18	3	0	4	0	0	1	0	0	0	0	0	26
5:45 PM	0	9	4	0	1	0	0	3	0	0	0	0	0	17
Hour Total	0	67	11	0	11	0	0	10	0	0	1	0	0	100
6:00 PM	0	7	2	1	1	0	0	4	1	0	0	0	0	16
6:15 PM	0	11	3	0	4	0	0	2	0	0	0	0	0	20
6:30 PM	0	7	4	0	2	0	0	0	0	0	0	0	0	13
6:45 PM	0	9	2	0	2	0	0	2	0	0	0	0	0	15
Hour Total	0	34	11	1	9	0	0	8	1	0	0	0	0	64
7:00 PM	0	12	5	0	2	1	0	2	0	0	0	0	0	22
7:15 PM	0	16	1	0	3	1	0	1	0	0	0	0	0	22
7:30 PM	0	6	3	0	0	0	0	1	1	0	0	0	0	11
7:45 PM	0	5	1	0	1	0	0	1	0	0	0	0	0	8
Hour Total	0	39	10	0	6	2	0	5	1	0	0	0	0	63
8:00 PM	0	6	1	0	1	1	0	1	0	0	0	0	0	10
8:15 PM	0	2	2	0	1	0	0	3	0	0	0	0	0	8
8:30 PM	0	9	4	1	0	1	0	1	0	0	0	0	0	16
8:45 PM	0	4	2	0	1	0	0	1	0	0	0	0	0	8
Hour Total	0	21	9	1	3	2	0	6	0	0	0	0	0	42
9:00 PM	2	4	2	0	0	0	0	0	1	0	0	0	0	9
9:15 PM	0	1	1	0	1	0	0	2	0	0	0	0	0	5
9:30 PM	0	6	2	0	1	0	0	0	0	0	0	0	0	9
9:45 PM	0	4	2	0	0	0	0	0	0	0	0	0	0	6
Hour Total	2	15	7	0	2	0	0	2	1	0	0	0	0	29
10:00 PM	0	5	4	0	2	1	0	0	0	0	0	0	0	12
10:15 PM	0	3	3	0	2	2	0	4	0	0	0	0	0	14
10:30 PM	0	10	0	2	1	0	0	3	0	0	0	0	0	16
10:45 PM	0	9	1	0	0	0	0	3	0	0	0	0	0	13
Hour Total	0	27	8	2	5	3	0	10	0	0	0	0	0	55
11:00 PM	0	15	2	0	0	0	0	1	0	0	0	0	0	18
11:15 PM	0	6	0	0	0	0	0	3	0	0	0	0	0	9
11:30 PM	0	2	2	0	0	0	0	2	0	0	0	0	0	6
11:45 PM	0	4	0	0	0	0	0	1	2	0	0	0	0	7
Hour Total	0	27	4	0	0	0	0	7	2	0	0	0	0	40
Totals	11	1349	377	19	261	32	0	290	40	0	76	2	0	2457
Percent	0.4%	54.9%	15.3%	0.8%	10.6%	1.3%	0.0%	11.8%	1.6%	0.0%	3.1%	0.1%	0.0%	

Class Report - Prepared by: NDS/ATD

North of I-580/Mountain House Parkway interchange and ramps (Inside lanes only)

Tracy

Project #:11-7199-002s Date: 5/5/2011 THURSDAY

North Bound, South Bound

Begin Time	Bikes	Cars & Tlrs	2 Axle Long	Buses	2 Axle 6 Tire	3 Axle Single	4 Axle Single	<5 Axle Double	5 Axle Double	>5 Axle Double	<6 Axle Multi	6 Axle Multi	>6 Axle Multi	Total
12:00 AM	0	8	2	1	0	0	0	2	0	0	0	0	0	13
12:15 AM	0	4	3	1	0	1	0	5	0	0	0	0	0	14
12:30 AM	0	2	2	0	0	0	0	1	0	0	1	0	0	6
12:45 AM	0	5	2	1	1	0	0	3	0	0	0	0	0	12
Hour Total	0	19	9	3	1	1	0	11	0	0	1	0	0	45
1:00 AM	0	10	2	0	0	0	0	3	0	0	0	0	0	15
1:15 AM	0	2	0	0	1	0	0	6	1	0	0	0	0	10
1:30 AM	0	4	2	0	1	0	0	0	0	0	0	0	0	7
1:45 AM	0	5	0	0	0	0	0	1	0	0	0	0	0	6
Hour Total	0	21	4	0	2	0	0	10	1	0	0	0	0	38
2:00 AM	0	9	0	0	2	0	0	1	0	0	0	0	0	12
2:15 AM	0	0	0	0	1	1	0	4	0	0	0	0	0	6
2:30 AM	0	8	0	0	1	0	0	5	0	0	0	0	0	14
2:45 AM	0	4	1	0	1	1	0	4	0	0	0	0	0	11
Hour Total	0	21	1	0	5	2	0	14	0	0	0	0	0	43
3:00 AM	0	1	0	0	1	0	0	1	0	0	0	0	0	3
3:15 AM	0	5	1	0	0	1	0	4	0	0	1	0	0	12
3:30 AM	0	7	1	0	0	0	0	2	0	0	0	0	0	10
3:45 AM	1	8	2	0	2	0	0	6	0	0	0	0	0	19
Hour Total	1	21	4	0	3	1	0	13	0	0	1	0	0	44
4:00 AM	0	9	3	0	1	1	0	4	1	0	0	0	0	19
4:15 AM	0	14	2	1	3	1	0	6	0	0	0	0	0	27
4:30 AM	0	18	5	0	2	0	0	4	0	0	0	0	0	29
4:45 AM	0	27	8	0	3	1	0	7	0	0	2	0	0	48
Hour Total	0	68	18	1	9	3	0	21	1	0	2	0	0	123
5:00 AM	0	22	4	0	7	0	0	6	0	0	1	0	0	40
5:15 AM	0	34	9	0	6	0	0	1	0	0	1	0	0	51
5:30 AM	0	46	9	0	12	1	0	1	2	0	4	0	0	75
5:45 AM	0	48	17	0	17	1	0	8	0	0	5	0	0	96
Hour Total	0	150	39	0	42	2	0	16	2	0	11	0	0	262
6:00 AM	0	57	16	0	8	0	0	4	4	0	2	1	0	92
6:15 AM	0	75	27	0	17	1	0	11	3	0	2	1	0	137
6:30 AM	0	80	30	1	22	1	0	5	2	0	0	0	0	141
6:45 AM	0	78	19	1	10	1	0	5	1	0	3	0	0	118
Hour Total	0	290	92	2	57	3	0	25	10	0	7	2	0	488
7:00 AM	0	77	21	0	5	0	0	10	0	0	0	0	0	113
7:15 AM	0	65	16	0	10	0	0	7	1	0	0	0	0	99
7:30 AM	2	58	18	1	11	0	0	10	0	0	1	0	0	101
7:45 AM	0	48	9	3	6	1	0	9	3	0	1	0	0	80
Hour Total	2	248	64	4	32	1	0	36	4	0	2	0	0	393

8:00 AM	0	27	8	0	8	0	0	8	1	0	2	0	0	54
8:15 AM	0	23	13	0	7	0	0	8	1	0	3	0	0	55
8:30 AM	0	26	5	0	4	0	0	12	2	0	2	0	0	51
8:45 AM	0	20	8	0	5	1	0	9	0	0	0	0	0	43
Hour Total	0	96	34	0	24	1	0	37	4	0	7	0	0	203
9:00 AM	1	14	4	0	4	1	0	3	1	0	3	1	0	32
9:15 AM	0	18	6	1	4	0	0	12	1	0	5	0	0	47
9:30 AM	0	25	7	0	5	0	0	6	0	0	2	0	0	45
9:45 AM	0	22	7	1	3	0	0	6	0	0	2	0	0	41
Hour Total	1	79	24	2	16	1	0	27	2	0	12	1	0	165
10:00 AM	0	15	10	1	8	2	0	11	1	0	0	0	0	48
10:15 AM	0	12	5	2	2	1	0	6	3	0	3	0	0	34
10:30 AM	0	24	8	1	8	1	0	3	1	0	4	0	0	50
10:45 AM	0	13	4	0	4	1	0	11	1	0	3	0	0	37
Hour Total	0	64	27	4	22	5	0	31	6	0	10	0	0	169
11:00 AM	0	18	5	0	6	1	0	5	2	0	5	0	0	42
11:15 AM	0	11	6	0	8	3	0	7	0	0	4	0	0	39
11:30 AM	0	21	8	0	5	0	0	12	0	0	2	0	0	48
11:45 AM	0	9	5	2	4	0	0	3	1	0	2	0	0	26
Hour Total	0	59	24	2	23	4	0	27	3	0	13	0	0	155
12:00 PM	1	21	12	1	9	0	0	5	2	0	2	0	0	53
12:15 PM	0	21	7	1	3	1	0	11	0	0	5	0	0	49
12:30 PM	0	15	7	2	5	0	0	11	1	0	7	0	0	48
12:45 PM	0	22	5	0	8	0	0	7	0	0	1	0	0	43
Hour Total	1	79	31	4	25	1	0	34	3	0	15	0	0	193
1:00 PM	1	26	10	0	5	0	0	7	1	0	2	0	0	52
1:15 PM	0	31	8	1	2	2	0	9	2	0	4	0	0	59
1:30 PM	1	36	13	0	2	0	0	6	4	0	2	0	0	64
1:45 PM	0	17	6	0	5	0	0	8	2	0	1	0	0	39
Hour Total	2	110	37	1	14	2	0	30	9	0	9	0	0	214
2:00 PM	0	25	5	0	4	0	0	10	1	0	3	0	0	48
2:15 PM	0	21	12	0	7	1	0	6	1	0	1	0	0	49
2:30 PM	2	44	14	0	3	0	0	6	2	0	1	0	0	72
2:45 PM	1	26	4	0	5	0	0	5	1	0	1	0	0	43
Hour Total	3	116	35	0	19	1	0	27	5	0	6	0	0	212
3:00 PM	0	38	13	0	7	1	0	6	2	0	0	0	0	67
3:15 PM	0	35	12	2	3	1	0	6	1	0	0	0	0	60
3:30 PM	0	59	9	0	7	3	0	4	0	0	0	0	0	82
3:45 PM	0	37	10	1	8	2	0	5	0	0	0	0	0	63
Hour Total	0	169	44	3	25	7	0	21	3	0	0	0	0	272

4:00 PM	1	45	10	0	10	0	0	6	3	0	0	0	0	75
4:15 PM	2	32	20	0	8	0	0	5	2	0	2	0	0	71
4:30 PM	1	44	14	2	6	0	0	5	1	0	0	0	0	73
4:45 PM	0	31	12	1	8	1	0	3	0	0	0	0	0	56
Hour Total	4	152	56	3	32	1	0	19	6	0	2	0	0	275
5:00 PM	0	43	9	0	6	0	0	7	1	0	1	0	0	67
5:15 PM	0	55	4	0	4	0	0	3	0	0	0	0	0	66
5:30 PM	0	50	8	0	6	0	0	2	0	0	0	0	0	66
5:45 PM	0	34	7	0	4	1	0	4	0	0	0	0	0	50
Hour Total	0	182	28	0	20	1	0	16	1	0	1	0	0	249
6:00 PM	0	24	6	2	3	0	0	7	1	0	0	0	0	43
6:15 PM	0	24	4	0	5	0	0	4	0	0	0	0	0	37
6:30 PM	0	19	6	0	3	0	0	1	0	0	0	0	0	29
6:45 PM	1	17	4	0	3	0	0	3	0	0	0	0	0	28
Hour Total	1	84	20	2	14	0	0	15	1	0	0	0	0	137
7:00 PM	0	21	12	0	4	1	0	3	1	0	0	0	0	42
7:15 PM	0	23	2	0	4	1	0	1	1	0	0	0	0	32
7:30 PM	0	13	4	0	2	0	0	5	1	0	0	0	0	25
7:45 PM	0	10	2	0	1	0	0	1	0	0	0	0	0	14
Hour Total	0	67	20	0	11	2	0	10	3	0	0	0	0	113
8:00 PM	0	12	2	0	2	1	0	1	0	0	0	0	0	18
8:15 PM	0	10	5	0	3	0	0	6	0	0	0	0	0	24
8:30 PM	0	15	6	2	0	1	0	2	1	0	0	0	0	27
8:45 PM	0	10	3	0	1	0	0	2	0	0	0	0	0	16
Hour Total	0	47	16	2	6	2	0	11	1	0	0	0	0	85
9:00 PM	2	10	5	0	0	0	0	0	1	0	0	0	0	18
9:15 PM	0	7	2	0	1	0	0	2	0	0	0	0	0	12
9:30 PM	0	14	3	0	1	0	0	1	0	0	0	0	0	19
9:45 PM	0	9	4	0	2	0	0	3	0	0	0	0	0	18
Hour Total	2	40	14	0	4	0	0	6	1	0	0	0	0	67
10:00 PM	0	13	6	0	2	1	0	6	0	0	0	0	0	28
10:15 PM	0	5	3	0	2	2	0	5	1	0	0	0	0	18
10:30 PM	0	13	2	2	1	0	0	6	0	0	0	0	0	24
10:45 PM	0	9	2	0	0	0	0	5	0	0	0	0	0	16
Hour Total	0	40	13	2	5	3	0	22	1	0	0	0	0	86
11:00 PM	0	19	3	0	0	0	0	3	0	0	0	0	0	25
11:15 PM	0	9	1	0	0	0	0	3	0	0	0	0	0	13
11:30 PM	0	4	3	0	0	0	0	3	0	0	1	0	0	11
11:45 PM	0	6	1	0	0	0	0	2	2	0	1	0	0	12
Hour Total	0	38	8	0	0	0	0	11	2	0	2	0	0	61
Totals	17	2260	662	35	411	44	0	490	69	0	101	3	0	4092
Percent	0.4%	55.2%	16.2%	0.9%	10.0%	1.1%	0.0%	12.0%	1.7%	0.0%	2.5%	0.1%	0.0%	

5/5/2011 City: Tracy Project #: 11-7199-002s

Location: North of I-580/Mountain House Parkway interchange and ramps (Inside lanes only)

Start	Southbound		Hour Totals		Northbound		Hour Totals		Combined Totals	
Time	Morning	Afternoon	Morning	Afternoon	Morning	Afternoon	Morning	Afternoon	Morning	Afternoon
12:00	10	30			3	23				
12:15	9	31			5	18				
12:30	0	27			6	21				
12:45	6	27	25	115	6	16	20	78	45	193
1:00	2	25			13	27				
1:15	4	28			6	31				
1:30	6	27			1	37				
1:45	4	19	16	99	2	20	22	115	38	214
2:00	9	26			3	22				
2:15	4	25			2	24				
2:30	10	38			4	34				
2:45	3	22	26	111	8	21	17	101	43	212
3:00	2	32			1	35				
3:15	8	26			4	34				
3:30	5	36			5	46				
3:45	13	25	28	119	6	38	16	153	44	272
4:00	14	31			5	44				
4:15	18	32			9	39				
4:30	23	40			6	33				
4:45	30	22	85	125	18	34	38	150	123	275
5:00	26	28			14	39				
5:15	39	29			12	37				
5:30	58	26			17	40				
5:45	76	17	199	100	20	33	63	149	262	249
6:00	75	16			17	27				
6:15	112	20			25	17				
6:30	120	13			21	16				
6:45	92	15	399	64	26	13	89	73	488	137
7:00	97	22			16	20				
7:15	74	22			25	10				
7:30	81	11			20	14				
7:45	54	8	306	63	26	6	87	50	393	113
8:00	35	10			19	8				
8:15	31	8			24	16				
8:30	37	16			14	11				
8:45	23	8	126	42	20	8	77	43	203	85
9:00	17	9			15	9				
9:15	33	5			14	7				
9:30	26	9			19	10				
9:45	18	6	94	29	23	12	71	38	165	67
10:00	36	12			12	16				
10:15	17	14			17	4				
10:30	20	16			30	8				
10:45	24	13	97	55	13	3	72	31	169	86
11:00	22	18			20	7				
11:15	29	9			10	4				
11:30	28	6			20	5				
11:45	15	7	94	40	11	5	61	21	155	61
Total	1495	962	1495	962	633	1002	633	1002	2128	1964
Combined Total	2457		2457		1635		1635		4092	
AM Peak	6:15 AM				7:15 AM					
Vol.	421				90					
P.H.F.	0.877				0.865					
PM Peak		3:45 PM				3:30 PM				
Vol.		128				167				
P.H.F.		0.800				0.908				
Percentage	60.8%	39.2%			38.7%	61.3%				

Class Report - Prepared by: NDS/ATD

North of I-580/Mountain House Parkway interchange and ramps (Inside lanes only)

Tracy

Project #:11-7199-002n Date: 5/4/2011 WEDNESDAY

North Bound

Begin Time	Bikes	Cars & Tlrs	2 Axle Long	Buses	2 Axle 6 Tire	3 Axle Single	4 Axle Single	<5 Axle Double	5 Axle Double	>5 Axle Double	<6 Axle Multi	6 Axle Multi	>6 Axle Multi	Total
12:00 AM	0	2	0	0	0	0	0	3	0	0	0	0	0	5
12:15 AM	0	4	1	0	0	0	0	1	0	0	0	0	0	6
12:30 AM	0	0	0	0	0	0	0	4	1	0	0	0	0	5
12:45 AM	0	0	1	0	1	0	0	1	0	0	0	0	0	3
Hour Total	0	6	2	0	1	0	0	9	1	0	0	0	0	19
1:00 AM	0	4	0	0	1	0	0	3	1	0	0	0	0	9
1:15 AM	0	0	0	0	0	0	0	4	0	0	0	0	0	4
1:30 AM	0	0	0	0	0	0	0	2	0	0	0	0	0	2
1:45 AM	0	2	1	0	0	0	0	2	0	0	0	0	0	5
Hour Total	0	6	1	0	1	0	0	11	1	0	0	0	0	20
2:00 AM	0	3	2	0	1	0	0	0	0	0	0	0	0	6
2:15 AM	0	1	0	0	0	0	0	0	0	1	0	0	0	2
2:30 AM	0	2	1	0	1	1	0	2	0	0	0	0	0	7
2:45 AM	0	2	0	0	2	0	0	1	0	0	0	0	0	5
Hour Total	0	8	3	0	4	1	0	3	0	1	0	0	0	20
3:00 AM	0	0	1	0	0	0	0	1	0	0	0	0	0	2
3:15 AM	0	5	1	0	0	0	0	3	0	0	0	0	0	9
3:30 AM	0	4	0	0	0	0	0	1	0	0	0	0	0	5
3:45 AM	0	0	2	1	0	0	0	2	0	0	0	0	0	5
Hour Total	0	9	4	1	0	0	0	7	0	0	0	0	0	21
4:00 AM	0	1	2	0	1	0	0	4	0	0	0	0	0	8
4:15 AM	0	3	1	0	0	0	0	2	0	0	1	0	0	7
4:30 AM	0	6	1	0	0	1	0	2	0	0	0	0	0	10
4:45 AM	0	12	3	0	0	0	0	5	0	0	0	0	0	20
Hour Total	0	22	7	0	1	1	0	13	0	0	1	0	0	45
5:00 AM	0	5	4	0	2	0	0	2	0	0	0	0	0	13
5:15 AM	0	5	2	0	1	0	0	2	0	0	0	0	0	10
5:30 AM	0	11	2	0	3	0	0	3	1	0	3	0	0	23
5:45 AM	0	14	7	0	3	0	0	2	0	0	0	0	0	26
Hour Total	0	35	15	0	9	0	0	9	1	0	3	0	0	72
6:00 AM	0	7	4	0	2	0	0	3	0	0	2	0	0	18
6:15 AM	0	13	6	0	4	0	0	3	0	0	0	0	0	26
6:30 AM	2	7	7	0	2	0	0	2	0	0	1	0	0	21
6:45 AM	0	15	5	0	4	0	0	4	2	0	1	0	0	31
Hour Total	2	42	22	0	12	0	0	12	2	0	4	0	0	96
7:00 AM	0	9	3	0	3	1	0	2	0	0	0	0	0	18
7:15 AM	0	18	4	0	4	0	0	5	1	0	0	0	0	32
7:30 AM	0	14	4	1	2	0	0	2	0	0	0	0	0	23
7:45 AM	0	15	1	0	0	0	0	1	0	0	1	0	0	18
Hour Total	0	56	12	1	9	1	0	10	1	0	1	0	0	91

8:00 AM	0	12	4	0	0	0	0	1	1	0	2	0	0	20
8:15 AM	0	10	4	1	2	1	0	3	0	0	1	0	0	22
8:30 AM	1	4	3	0	3	0	0	1	1	0	0	0	0	13
8:45 AM	0	12	1	0	0	0	0	1	0	0	0	0	0	14
Hour Total	1	38	12	1	5	1	0	6	2	0	3	0	0	69
9:00 AM	0	7	3	0	0	0	0	3	1	0	1	0	0	15
9:15 AM	0	4	4	0	0	0	0	2	0	0	0	0	0	10
9:30 AM	0	5	2	0	0	0	0	5	1	0	0	0	0	13
9:45 AM	0	9	3	0	1	0	0	5	1	0	0	0	0	19
Hour Total	0	25	12	0	1	0	0	15	3	0	1	0	0	57
10:00 AM	0	8	6	0	2	0	0	2	0	0	1	0	0	19
10:15 AM	0	6	1	0	3	0	0	1	0	0	1	0	0	12
10:30 AM	0	5	5	1	0	0	0	3	0	0	0	0	0	14
10:45 AM	0	4	2	1	2	1	0	4	0	0	0	0	0	14
Hour Total	0	23	14	2	7	1	0	10	0	0	2	0	0	59
11:00 AM	0	6	0	0	1	0	0	2	1	0	1	0	0	11
11:15 AM	0	8	1	0	1	0	0	2	0	0	1	0	0	13
11:30 AM	0	9	4	1	3	1	0	4	0	0	0	0	0	22
11:45 AM	1	7	6	0	2	0	0	4	0	0	0	0	0	20
Hour Total	1	30	11	1	7	1	0	12	1	0	2	0	0	66
12:00 PM	0	8	5	0	4	0	0	3	0	0	0	0	0	20
12:15 PM	0	9	2	0	3	0	0	1	0	0	1	0	0	16
12:30 PM	0	7	4	0	1	0	0	1	0	0	1	0	0	14
12:45 PM	0	9	5	1	2	0	0	1	1	0	0	0	0	19
Hour Total	0	33	16	1	10	0	0	6	1	0	2	0	0	69
1:00 PM	0	6	2	0	1	0	0	2	0	0	1	0	0	12
1:15 PM	0	12	4	0	1	0	0	1	0	0	1	0	0	19
1:30 PM	0	21	5	0	2	1	0	0	0	0	0	0	0	29
1:45 PM	0	5	6	0	3	0	0	2	2	0	0	0	0	18
Hour Total	0	44	17	0	7	1	0	5	2	0	2	0	0	78
2:00 PM	0	11	5	0	2	0	0	1	0	0	1	0	0	20
2:15 PM	0	10	3	0	1	0	0	3	1	0	0	0	0	18
2:30 PM	0	25	7	1	5	0	0	0	2	0	0	0	0	40
2:45 PM	0	17	5	2	2	0	0	2	1	0	0	0	0	29
Hour Total	0	63	20	3	10	0	0	6	4	0	1	0	0	107
3:00 PM	0	11	3	0	3	0	0	3	0	0	0	0	0	20
3:15 PM	0	17	3	1	0	0	0	0	1	0	0	0	0	22
3:30 PM	1	24	9	0	2	0	0	1	0	0	0	0	0	37
3:45 PM	0	24	8	1	3	0	0	0	0	0	1	0	0	37
Hour Total	1	76	23	2	8	0	0	4	1	0	1	0	0	116

4:00 PM	0	22	4	0	3	0	0	1	0	1	0	0	0	31
4:15 PM	0	26	8	0	2	0	0	3	1	0	0	0	0	40
4:30 PM	0	29	8	0	4	0	0	1	0	0	0	0	0	42
4:45 PM	0	23	10	0	4	0	0	3	0	0	0	0	0	40
Hour Total	0	100	30	0	13	0	0	8	1	1	0	0	0	153
5:00 PM	0	38	4	0	1	0	0	1	1	0	0	0	0	45
5:15 PM	0	30	5	0	1	0	0	0	1	0	0	0	0	37
5:30 PM	0	24	10	0	2	0	0	0	0	0	0	0	0	36
5:45 PM	1	24	5	0	1	1	0	3	1	0	0	0	0	36
Hour Total	1	116	24	0	5	1	0	4	3	0	0	0	0	154
6:00 PM	0	10	3	0	0	0	0	0	0	0	0	0	0	13
6:15 PM	0	15	5	0	2	0	0	1	0	0	0	0	0	23
6:30 PM	1	3	2	0	1	0	0	1	0	0	0	0	0	8
6:45 PM	0	4	3	0	1	0	0	4	0	0	0	0	0	12
Hour Total	1	32	13	0	4	0	0	6	0	0	0	0	0	56
7:00 PM	0	13	4	0	1	0	0	1	0	0	0	0	0	19
7:15 PM	0	5	2	0	0	0	0	3	0	0	0	0	0	10
7:30 PM	0	4	0	0	0	0	0	1	0	0	0	0	0	5
7:45 PM	0	5	1	0	1	0	0	0	0	0	0	0	0	7
Hour Total	0	27	7	0	2	0	0	5	0	0	0	0	0	41
8:00 PM	0	7	3	0	2	0	0	1	0	0	0	0	0	13
8:15 PM	0	3	3	0	0	0	0	4	0	0	0	0	0	10
8:30 PM	0	0	2	0	0	0	0	1	0	0	0	0	0	3
8:45 PM	0	3	1	0	2	0	0	3	0	0	0	0	0	9
Hour Total	0	13	9	0	4	0	0	9	0	0	0	0	0	35
9:00 PM	0	3	0	0	4	0	0	1	0	0	0	0	0	8
9:15 PM	0	2	1	0	0	0	0	2	0	0	0	0	0	5
9:30 PM	0	4	0	0	0	0	0	0	0	0	0	0	0	4
9:45 PM	0	4	0	0	1	0	0	3	0	0	0	0	0	8
Hour Total	0	13	1	0	5	0	0	6	0	0	0	0	0	25
10:00 PM	0	9	2	0	2	0	0	7	0	0	0	0	0	20
10:15 PM	0	6	1	1	1	0	0	1	0	0	0	0	0	10
10:30 PM	0	1	0	0	0	0	0	0	0	0	0	0	0	1
10:45 PM	0	3	0	0	0	0	0	1	0	0	0	0	0	4
Hour Total	0	19	3	1	3	0	0	9	0	0	0	0	0	35
11:00 PM	0	4	1	0	0	1	0	2	0	0	0	0	0	8
11:15 PM	0	0	1	0	0	0	0	0	0	0	0	0	0	1
11:30 PM	0	3	2	0	0	0	0	1	0	0	0	0	0	6
11:45 PM	0	1	2	0	0	0	0	3	0	0	0	0	0	6
Hour Total	0	8	6	0	0	1	0	6	0	0	0	0	0	21
Totals	7	844	284	13	128	9	0	191	24	2	23	0	0	1525
Percent	0.5%	55.3%	18.6%	0.9%	8.4%	0.6%	0.0%	12.5%	1.6%	0.1%	1.5%	0.0%	0.0%	

Class Report - Prepared by: NDS/ATD

North of I-580/Mountain House Parkway interchange and ramps (Inside lanes only)

Tracy

Project #:11-7199-002s Date: 5/4/2011 WEDNESDAY

South Bound

Begin Time	Bikes	Cars & Tlrs	2 Axle Long	Buses	2 Axle 6 Tire	3 Axle Single	4 Axle Single	<5 Axle Double	5 Axle Double	>5 Axle Double	<6 Axle Multi	6 Axle Multi	>6 Axle Multi	Total
12:00 AM	0	9	0	0	3	0	0	0	0	0	0	0	0	12
12:15 AM	0	5	1	0	0	1	0	0	0	0	0	0	0	7
12:30 AM	0	6	0	0	0	0	0	0	0	0	0	0	0	6
12:45 AM	0	1	2	0	1	1	0	1	0	0	0	0	0	6
Hour Total	0	21	3	0	4	2	0	1	0	0	0	0	0	31
1:00 AM	0	4	0	0	1	0	0	1	0	0	0	0	0	6
1:15 AM	0	0	1	0	0	0	0	0	0	0	0	0	0	1
1:30 AM	0	1	0	0	0	0	0	0	1	0	0	0	0	2
1:45 AM	0	1	1	0	0	1	0	2	0	0	0	0	0	5
Hour Total	0	6	2	0	1	1	0	3	1	0	0	0	0	14
2:00 AM	0	7	1	0	0	2	0	0	0	0	0	0	0	10
2:15 AM	0	3	0	0	0	0	0	0	1	0	0	0	0	4
2:30 AM	0	5	1	0	1	0	0	1	1	0	0	0	0	9
2:45 AM	0	4	0	0	1	0	0	2	0	0	0	0	0	7
Hour Total	0	19	2	0	2	2	0	3	2	0	0	0	0	30
3:00 AM	0	2	3	0	1	0	0	4	0	0	0	0	0	10
3:15 AM	0	6	1	0	2	0	0	3	0	0	0	0	0	12
3:30 AM	0	11	1	0	1	0	0	2	0	0	0	0	0	15
3:45 AM	0	4	0	0	0	0	0	0	0	0	0	0	0	4
Hour Total	0	23	5	0	4	0	0	9	0	0	0	0	0	41
4:00 AM	0	11	2	0	0	0	0	0	0	0	0	0	0	13
4:15 AM	0	7	1	0	0	1	0	4	0	0	0	0	0	13
4:30 AM	0	17	7	0	3	2	0	2	0	0	0	0	0	31
4:45 AM	0	18	5	1	4	0	0	3	1	0	0	0	0	32
Hour Total	0	53	15	1	7	3	0	9	1	0	0	0	0	89
5:00 AM	0	16	9	0	5	0	0	2	0	0	3	0	0	35
5:15 AM	0	26	5	0	2	0	0	2	1	0	3	0	0	39
5:30 AM	0	38	8	0	5	0	0	2	1	0	1	0	0	55
5:45 AM	0	43	17	0	12	0	0	3	1	0	3	0	0	79
Hour Total	0	123	39	0	24	0	0	9	3	0	10	0	0	208
6:00 AM	0	50	11	0	12	0	0	4	1	0	1	0	0	79
6:15 AM	0	69	16	0	12	0	0	7	3	0	1	0	0	108
6:30 AM	0	88	21	1	14	1	0	3	4	0	0	0	0	132
6:45 AM	1	90	16	1	5	0	0	3	2	0	2	0	0	120
Hour Total	1	297	64	2	43	1	0	17	10	0	4	0	0	439
7:00 AM	0	69	20	0	11	0	0	2	3	0	1	0	0	106
7:15 AM	0	54	13	0	3	0	0	3	0	0	2	0	0	75
7:30 AM	0	46	11	0	6	0	0	1	1	0	1	0	0	66
7:45 AM	0	43	7	0	5	0	0	3	0	0	3	0	0	61
Hour Total	0	212	51	0	25	0	0	9	4	0	7	0	0	308

8:00 AM	0	20	8	1	5	1	0	10	2	0	1	0	0	48
8:15 AM	1	13	6	0	3	0	0	3	0	0	0	0	0	26
8:30 AM	1	14	2	1	9	0	0	12	0	0	0	0	0	39
8:45 AM	0	9	4	2	5	0	0	12	1	0	3	0	0	36
Hour Total	2	56	20	4	22	1	0	37	3	0	4	0	0	149
9:00 AM	0	7	6	0	2	0	0	5	0	0	0	0	0	20
9:15 AM	0	7	2	0	2	1	0	6	4	0	2	0	0	24
9:30 AM	0	7	5	0	2	1	0	4	1	0	0	0	0	20
9:45 AM	0	3	3	1	0	0	0	3	0	0	2	0	0	12
Hour Total	0	24	16	1	6	2	0	18	5	0	4	0	0	76
10:00 AM	0	5	1	0	2	0	0	7	1	0	1	0	0	17
10:15 AM	1	11	1	0	4	0	0	5	3	0	4	0	0	29
10:30 AM	1	5	2	0	2	1	0	3	1	0	1	0	0	16
10:45 AM	0	5	3	1	2	2	0	7	0	0	4	0	0	24
Hour Total	2	26	7	1	10	3	0	22	5	0	10	0	0	86
11:00 AM	0	7	3	0	4	1	0	8	1	0	1	0	0	25
11:15 AM	0	4	4	2	2	0	0	3	1	0	1	0	0	17
11:30 AM	0	10	1	3	4	0	0	6	0	0	4	0	0	28
11:45 AM	0	11	1	0	3	1	0	5	0	0	0	0	0	21
Hour Total	0	32	9	5	13	2	0	22	2	0	6	0	0	91
12:00 PM	0	7	6	0	4	1	0	3	0	0	2	0	0	23
12:15 PM	0	14	5	0	1	0	0	7	0	0	1	0	0	28
12:30 PM	0	11	4	0	4	1	0	4	0	0	1	0	0	25
12:45 PM	0	8	2	0	3	0	0	6	0	0	1	0	0	20
Hour Total	0	40	17	0	12	2	0	20	0	0	5	0	0	96
1:00 PM	1	16	4	0	1	0	0	4	2	0	1	0	0	29
1:15 PM	0	7	11	0	5	0	0	6	1	0	2	0	0	32
1:30 PM	0	16	4	0	3	0	0	2	0	0	2	0	0	27
1:45 PM	0	9	1	0	2	0	0	4	1	0	2	0	0	19
Hour Total	1	48	20	0	11	0	0	16	4	0	7	0	0	107
2:00 PM	0	12	5	0	2	0	0	5	1	0	0	0	0	25
2:15 PM	1	12	2	0	0	1	0	2	1	0	3	0	0	22
2:30 PM	0	35	8	2	8	0	0	2	2	0	2	0	0	59
2:45 PM	0	8	2	0	7	0	0	2	0	0	1	0	0	20
Hour Total	1	67	17	2	17	1	0	11	4	0	6	0	0	126
3:00 PM	0	10	3	1	4	0	0	2	2	0	0	0	0	22
3:15 PM	1	12	5	0	1	2	0	0	1	0	3	0	0	25
3:30 PM	0	17	9	0	4	0	0	1	0	0	1	0	0	32
3:45 PM	0	9	1	0	2	0	0	3	0	0	1	0	0	16
Hour Total	1	48	18	1	11	2	0	6	3	0	5	0	0	95

4:00 PM	0	21	7	0	4	0	0	1	1	0	0	0	0	34
4:15 PM	0	18	4	0	4	1	0	0	3	0	0	0	0	30
4:30 PM	0	14	3	0	4	0	0	5	0	0	1	0	0	27
4:45 PM	0	16	5	0	4	0	0	7	1	0	0	0	0	33
Hour Total	0	69	19	0	16	1	0	13	5	0	1	0	0	124
5:00 PM	0	23	10	0	2	2	0	5	0	0	0	0	0	42
5:15 PM	0	15	8	1	5	0	0	1	0	0	0	0	0	30
5:30 PM	0	11	0	1	6	0	0	3	1	0	0	0	0	22
5:45 PM	0	8	2	0	3	0	0	3	0	0	0	0	0	16
Hour Total	0	57	20	2	16	2	0	12	1	0	0	0	0	110
6:00 PM	0	8	2	0	3	0	0	1	1	0	0	0	0	15
6:15 PM	0	4	3	0	1	1	0	0	2	0	0	0	0	11
6:30 PM	0	2	3	0	1	0	0	0	0	0	0	0	0	6
6:45 PM	0	5	4	0	1	0	0	1	0	0	0	0	0	11
Hour Total	0	19	12	0	6	1	0	2	3	0	0	0	0	43
7:00 PM	0	4	4	0	2	0	0	2	0	0	0	0	0	12
7:15 PM	0	4	1	0	0	0	0	3	0	0	0	0	0	8
7:30 PM	0	4	3	0	0	0	0	1	0	0	0	0	0	8
7:45 PM	0	4	0	0	2	0	0	1	0	0	0	0	0	7
Hour Total	0	16	8	0	4	0	0	7	0	0	0	0	0	35
8:00 PM	0	8	1	0	2	0	0	0	0	0	0	0	0	11
8:15 PM	0	4	3	0	0	1	0	2	0	0	0	0	0	10
8:30 PM	0	5	1	0	0	0	0	1	0	0	0	0	0	7
8:45 PM	0	6	1	0	4	2	0	3	0	0	0	0	0	16
Hour Total	0	23	6	0	6	3	0	6	0	0	0	0	0	44
9:00 PM	0	4	0	0	5	0	0	3	0	0	0	0	0	12
9:15 PM	1	1	0	0	0	1	0	0	1	0	0	0	0	4
9:30 PM	0	0	1	0	0	0	0	2	0	0	0	0	0	3
9:45 PM	0	4	0	0	1	0	0	0	0	0	0	0	0	5
Hour Total	1	9	1	0	6	1	0	5	1	0	0	0	0	24
10:00 PM	0	5	1	0	1	0	0	2	0	0	0	0	0	9
10:15 PM	0	6	1	1	0	0	0	1	0	0	0	0	0	9
10:30 PM	2	8	0	0	0	0	0	1	0	0	0	0	0	11
10:45 PM	0	7	1	0	1	0	0	0	0	0	0	0	0	9
Hour Total	2	26	3	1	2	0	0	4	0	0	0	0	0	38
11:00 PM	0	4	0	0	2	1	0	1	0	0	0	0	0	8
11:15 PM	0	2	2	0	0	1	0	2	0	0	0	0	0	7
11:30 PM	0	11	0	0	0	0	0	0	0	0	0	0	0	11
11:45 PM	0	7	1	0	1	0	0	2	0	0	0	0	0	11
Hour Total	0	24	3	0	3	2	0	5	0	0	0	0	0	37
Totals	11	1338	377	20	271	32	0	266	57	0	69	0	0	2441
Percent	0.5%	54.8%	15.4%	0.8%	11.1%	1.3%	0.0%	10.9%	2.3%	0.0%	2.8%	0.0%	0.0%	

Class Report - Prepared by: NDS/ATD

North of I-580/Mountain House Parkway interchange and ramps (Inside lanes only)

Tracy

Project #:11-7199-002s Date: 5/4/2011 WEDNESDAY

North Bound, South Bound

Begin Time	Bikes	Cars & Tlrs	2 Axle Long	Buses	2 Axle 6 Tire	3 Axle Single	4 Axle Single	<5 Axle Double	5 Axle Double	>5 Axle Double	<6 Axle Multi	6 Axle Multi	>6 Axle Multi	Total
12:00 AM	0	11	0	0	3	0	0	3	0	0	0	0	0	17
12:15 AM	0	9	2	0	0	1	0	1	0	0	0	0	0	13
12:30 AM	0	6	0	0	0	0	0	4	1	0	0	0	0	11
12:45 AM	0	1	3	0	2	1	0	2	0	0	0	0	0	9
Hour Total	0	27	5	0	5	2	0	10	1	0	0	0	0	50
1:00 AM	0	8	0	0	2	0	0	4	1	0	0	0	0	15
1:15 AM	0	0	1	0	0	0	0	4	0	0	0	0	0	5
1:30 AM	0	1	0	0	0	0	0	2	1	0	0	0	0	4
1:45 AM	0	3	2	0	0	1	0	4	0	0	0	0	0	10
Hour Total	0	12	3	0	2	1	0	14	2	0	0	0	0	34
2:00 AM	0	10	3	0	1	2	0	0	0	0	0	0	0	16
2:15 AM	0	4	0	0	0	0	0	0	1	1	0	0	0	6
2:30 AM	0	7	2	0	2	1	0	3	1	0	0	0	0	16
2:45 AM	0	6	0	0	3	0	0	3	0	0	0	0	0	12
Hour Total	0	27	5	0	6	3	0	6	2	1	0	0	0	50
3:00 AM	0	2	4	0	1	0	0	5	0	0	0	0	0	12
3:15 AM	0	11	2	0	2	0	0	6	0	0	0	0	0	21
3:30 AM	0	15	1	0	1	0	0	3	0	0	0	0	0	20
3:45 AM	0	4	2	1	0	0	0	2	0	0	0	0	0	9
Hour Total	0	32	9	1	4	0	0	16	0	0	0	0	0	62
4:00 AM	0	12	4	0	1	0	0	4	0	0	0	0	0	21
4:15 AM	0	10	2	0	0	1	0	6	0	0	1	0	0	20
4:30 AM	0	23	8	0	3	3	0	4	0	0	0	0	0	41
4:45 AM	0	30	8	1	4	0	0	8	1	0	0	0	0	52
Hour Total	0	75	22	1	8	4	0	22	1	0	1	0	0	134
5:00 AM	0	21	13	0	7	0	0	4	0	0	3	0	0	48
5:15 AM	0	31	7	0	3	0	0	4	1	0	3	0	0	49
5:30 AM	0	49	10	0	8	0	0	5	2	0	4	0	0	78
5:45 AM	0	57	24	0	15	0	0	5	1	0	3	0	0	105
Hour Total	0	158	54	0	33	0	0	18	4	0	13	0	0	280
6:00 AM	0	57	15	0	14	0	0	7	1	0	3	0	0	97
6:15 AM	0	82	22	0	16	0	0	10	3	0	1	0	0	134
6:30 AM	2	95	28	1	16	1	0	5	4	0	1	0	0	153
6:45 AM	1	105	21	1	9	0	0	7	4	0	3	0	0	151
Hour Total	3	339	86	2	55	1	0	29	12	0	8	0	0	535
7:00 AM	0	78	23	0	14	1	0	4	3	0	1	0	0	124
7:15 AM	0	72	17	0	7	0	0	8	1	0	2	0	0	107
7:30 AM	0	60	15	1	8	0	0	3	1	0	1	0	0	89
7:45 AM	0	58	8	0	5	0	0	4	0	0	4	0	0	79
Hour Total	0	268	63	1	34	1	0	19	5	0	8	0	0	399

8:00 AM	0	32	12	1	5	1	0	11	3	0	3	0	0	68
8:15 AM	1	23	10	1	5	1	0	6	0	0	1	0	0	48
8:30 AM	2	18	5	1	12	0	0	13	1	0	0	0	0	52
8:45 AM	0	21	5	2	5	0	0	13	1	0	3	0	0	50
Hour Total	3	94	32	5	27	2	0	43	5	0	7	0	0	218
9:00 AM	0	14	9	0	2	0	0	8	1	0	1	0	0	35
9:15 AM	0	11	6	0	2	1	0	8	4	0	2	0	0	34
9:30 AM	0	12	7	0	2	1	0	9	2	0	0	0	0	33
9:45 AM	0	12	6	1	1	0	0	8	1	0	2	0	0	31
Hour Total	0	49	28	1	7	2	0	33	8	0	5	0	0	133
10:00 AM	0	13	7	0	4	0	0	9	1	0	2	0	0	36
10:15 AM	1	17	2	0	7	0	0	6	3	0	5	0	0	41
10:30 AM	1	10	7	1	2	1	0	6	1	0	1	0	0	30
10:45 AM	0	9	5	2	4	3	0	11	0	0	4	0	0	38
Hour Total	2	49	21	3	17	4	0	32	5	0	12	0	0	145
11:00 AM	0	13	3	0	5	1	0	10	2	0	2	0	0	36
11:15 AM	0	12	5	2	3	0	0	5	1	0	2	0	0	30
11:30 AM	0	19	5	4	7	1	0	10	0	0	4	0	0	50
11:45 AM	1	18	7	0	5	1	0	9	0	0	0	0	0	41
Hour Total	1	62	20	6	20	3	0	34	3	0	8	0	0	157
12:00 PM	0	15	11	0	8	1	0	6	0	0	2	0	0	43
12:15 PM	0	23	7	0	4	0	0	8	0	0	2	0	0	44
12:30 PM	0	18	8	0	5	1	0	5	0	0	2	0	0	39
12:45 PM	0	17	7	1	5	0	0	7	1	0	1	0	0	39
Hour Total	0	73	33	1	22	2	0	26	1	0	7	0	0	165
1:00 PM	1	22	6	0	2	0	0	6	2	0	2	0	0	41
1:15 PM	0	19	15	0	6	0	0	7	1	0	3	0	0	51
1:30 PM	0	37	9	0	5	1	0	2	0	0	2	0	0	56
1:45 PM	0	14	7	0	5	0	0	6	3	0	2	0	0	37
Hour Total	1	92	37	0	18	1	0	21	6	0	9	0	0	185
2:00 PM	0	23	10	0	4	0	0	6	1	0	1	0	0	45
2:15 PM	1	22	5	0	1	1	0	5	2	0	3	0	0	40
2:30 PM	0	60	15	3	13	0	0	2	4	0	2	0	0	99
2:45 PM	0	25	7	2	9	0	0	4	1	0	1	0	0	49
Hour Total	1	130	37	5	27	1	0	17	8	0	7	0	0	233
3:00 PM	0	21	6	1	7	0	0	5	2	0	0	0	0	42
3:15 PM	1	29	8	1	1	2	0	0	2	0	3	0	0	47
3:30 PM	1	41	18	0	6	0	0	2	0	0	1	0	0	69
3:45 PM	0	33	9	1	5	0	0	3	0	0	2	0	0	53
Hour Total	2	124	41	3	19	2	0	10	4	0	6	0	0	211

4:00 PM	0	43	11	0	7	0	0	2	1	1	0	0	0	65
4:15 PM	0	44	12	0	6	1	0	3	4	0	0	0	0	70
4:30 PM	0	43	11	0	8	0	0	6	0	0	1	0	0	69
4:45 PM	0	39	15	0	8	0	0	10	1	0	0	0	0	73
Hour Total	0	169	49	0	29	1	0	21	6	1	1	0	0	277
5:00 PM	0	61	14	0	3	2	0	6	1	0	0	0	0	87
5:15 PM	0	45	13	1	6	0	0	1	1	0	0	0	0	67
5:30 PM	0	35	10	1	8	0	0	3	1	0	0	0	0	58
5:45 PM	1	32	7	0	4	1	0	6	1	0	0	0	0	52
Hour Total	1	173	44	2	21	3	0	16	4	0	0	0	0	264
6:00 PM	0	18	5	0	3	0	0	1	1	0	0	0	0	28
6:15 PM	0	19	8	0	3	1	0	1	2	0	0	0	0	34
6:30 PM	1	5	5	0	2	0	0	1	0	0	0	0	0	14
6:45 PM	0	9	7	0	2	0	0	5	0	0	0	0	0	23
Hour Total	1	51	25	0	10	1	0	8	3	0	0	0	0	99
7:00 PM	0	17	8	0	3	0	0	3	0	0	0	0	0	31
7:15 PM	0	9	3	0	0	0	0	6	0	0	0	0	0	18
7:30 PM	0	8	3	0	0	0	0	2	0	0	0	0	0	13
7:45 PM	0	9	1	0	3	0	0	1	0	0	0	0	0	14
Hour Total	0	43	15	0	6	0	0	12	0	0	0	0	0	76
8:00 PM	0	15	4	0	4	0	0	1	0	0	0	0	0	24
8:15 PM	0	7	6	0	0	1	0	6	0	0	0	0	0	20
8:30 PM	0	5	3	0	0	0	0	2	0	0	0	0	0	10
8:45 PM	0	9	2	0	6	2	0	6	0	0	0	0	0	25
Hour Total	0	36	15	0	10	3	0	15	0	0	0	0	0	79
9:00 PM	0	7	0	0	9	0	0	4	0	0	0	0	0	20
9:15 PM	1	3	1	0	0	1	0	2	1	0	0	0	0	9
9:30 PM	0	4	1	0	0	0	0	2	0	0	0	0	0	7
9:45 PM	0	8	0	0	2	0	0	3	0	0	0	0	0	13
Hour Total	1	22	2	0	11	1	0	11	1	0	0	0	0	49
10:00 PM	0	14	3	0	3	0	0	9	0	0	0	0	0	29
10:15 PM	0	12	2	2	1	0	0	2	0	0	0	0	0	19
10:30 PM	2	9	0	0	0	0	0	1	0	0	0	0	0	12
10:45 PM	0	10	1	0	1	0	0	1	0	0	0	0	0	13
Hour Total	2	45	6	2	5	0	0	13	0	0	0	0	0	73
11:00 PM	0	8	1	0	2	2	0	3	0	0	0	0	0	16
11:15 PM	0	2	3	0	0	1	0	2	0	0	0	0	0	8
11:30 PM	0	14	2	0	0	0	0	1	0	0	0	0	0	17
11:45 PM	0	8	3	0	1	0	0	5	0	0	0	0	0	17
Hour Total	0	32	9	0	3	3	0	11	0	0	0	0	0	58
Totals	18	2182	661	33	399	41	0	457	81	2	92	0	0	3966
Percent	0.5%	55.0%	16.7%	0.8%	10.1%	1.0%	0.0%	11.5%	2.0%	0.1%	2.3%	0.0%	0.0%	

5/4/2011 City: Tracy Project #: 11-7199-002s

Location: North of I-580/Mountain House Parkway interchange and ramps (Inside lanes only)

Start	Southbound		Hour Totals		Northbound		Hour Totals		Combined Totals	
Time	Morning	Afternoon	Morning	Afternoon	Morning	Afternoon	Morning	Afternoon	Morning	Afternoon
12:00	12	23			5	20				
12:15	7	28			6	16				
12:30	6	25			5	14				
12:45	6	20	31	96	3	19	19	69	50	165
1:00	6	29			9	12				
1:15	1	32			4	19				
1:30	2	27			2	29				
1:45	5	19	14	107	5	18	20	78	34	185
2:00	10	25			6	20				
2:15	4	22			2	18				
2:30	9	59			7	40				
2:45	7	20	30	126	5	29	20	107	50	233
3:00	10	22			2	20				
3:15	12	25			9	22				
3:30	15	32			5	37				
3:45	4	16	41	95	5	37	21	116	62	211
4:00	13	34			8	31				
4:15	13	30			7	40				
4:30	31	27			10	42				
4:45	32	33	89	124	20	40	45	153	134	277
5:00	35	42			13	45				
5:15	39	30			10	37				
5:30	55	22			23	36				
5:45	79	16	208	110	26	36	72	154	280	264
6:00	79	15			18	13				
6:15	108	11			26	23				
6:30	132	6			21	8				
6:45	120	11	439	43	31	12	96	56	535	99
7:00	106	12			18	19				
7:15	75	8			32	10				
7:30	66	8			23	5				
7:45	61	7	308	35	18	7	91	41	399	76
8:00	48	11			20	13				
8:15	26	10			22	10				
8:30	39	7			13	3				
8:45	36	16	149	44	14	9	69	35	218	79
9:00	20	12			15	8				
9:15	24	4			10	5				
9:30	20	3			13	4				
9:45	12	5	76	24	19	8	57	25	133	49
10:00	17	9			19	20				
10:15	29	9			12	10				
10:30	16	11			14	1				
10:45	24	9	86	38	14	4	59	35	145	73
11:00	25	8			11	8				
11:15	17	7			13	1				
11:30	28	11			22	6				
11:45	21	11	91	37	20	6	66	21	157	58
Total	1562	879	1562	879	635	890	635	890	2197	1769
Combined Total	2441		2441		1525		1525		3966	
AM Peak	6:15 AM				6:45 AM					
Vol.	466				104					
P.H.F.	0.883				0.813					
PM Peak		4:15 PM				4:15 PM				
Vol.		132				167				
P.H.F.		0.786				0.928				
Percentage	64.0%	36.0%			41.6%	58.4%				

Speed Report - Prepared by: NDS/ATD

South of I-205/Mountain House Parkway interchange and ramps

Tracy

Project #: 11-7199-001n Date: 5/5/2011 THURSDAY

North Bound

Begin Time	5-14	15-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-9999	Total
12:00 AM	0	0	0	0	0	1	4	10	9	6	1	0	0	31
12:15 AM	0	0	0	0	0	0	3	3	2	3	0	0	0	11
12:30 AM	0	0	0	0	1	1	7	4	2	0	0	1	0	16
12:45 AM	0	0	0	0	2	2	1	6	1	5	1	0	0	18
Hour Total	0	0	0	0	3	4	15	23	14	14	2	1	0	76
1:00 AM	0	0	0	0	1	1	2	2	9	4	0	0	0	19
1:15 AM	0	0	0	1	0	0	3	5	1	0	0	0	0	10
1:30 AM	0	0	0	1	1	2	4	8	2	4	0	0	0	22
1:45 AM	0	0	0	1	0	1	4	9	1	0	0	0	0	16
Hour Total	0	0	0	3	2	4	13	24	13	8	0	0	0	67
2:00 AM	0	0	0	0	0	1	2	4	3	3	0	1	0	14
2:15 AM	0	0	0	0	0	0	0	3	2	0	0	0	0	5
2:30 AM	0	0	0	0	0	1	3	11	8	1	0	0	0	24
2:45 AM	0	0	0	0	0	1	2	8	4	1	0	0	0	16
Hour Total	0	0	0	0	0	3	7	26	17	5	0	1	0	59
3:00 AM	0	0	0	0	1	3	8	4	0	1	1	0	0	18
3:15 AM	0	0	0	0	1	3	1	9	1	1	0	0	0	16
3:30 AM	0	0	0	1	3	2	6	9	10	5	2	0	0	38
3:45 AM	0	0	1	0	0	1	3	3	1	0	0	0	0	9
Hour Total	0	0	1	1	5	9	18	25	12	7	3	0	0	81
4:00 AM	0	0	0	0	0	0	4	5	1	2	0	0	0	12
4:15 AM	0	0	0	0	0	2	3	7	2	1	0	0	0	15
4:30 AM	0	0	0	0	0	2	5	2	5	2	0	0	0	16
4:45 AM	0	0	0	0	0	0	1	3	7	2	0	0	0	13
Hour Total	0	0	0	0	0	4	13	17	15	7	0	0	0	56
5:00 AM	0	0	0	0	0	0	0	6	5	3	0	0	0	14
5:15 AM	0	0	0	0	0	1	3	2	3	1	1	1	0	12
5:30 AM	0	0	0	0	0	0	2	4	10	4	1	0	0	21
5:45 AM	0	0	0	0	1	2	4	9	10	3	0	0	0	29
Hour Total	0	0	0	0	1	3	9	21	28	11	2	1	0	76
6:00 AM	0	0	0	0	0	0	8	6	9	3	2	1	0	29
6:15 AM	1	0	0	1	2	2	11	15	15	2	2	0	0	51
6:30 AM	0	0	0	0	0	1	6	15	12	4	3	0	0	41
6:45 AM	0	0	0	0	0	2	6	13	11	4	1	0	0	37
Hour Total	1	0	0	1	2	5	31	49	47	13	8	1	0	158
7:00 AM	0	0	0	0	1	6	9	19	11	2	1	0	0	49
7:15 AM	0	0	1	1	0	3	7	8	15	2	3	1	0	41
7:30 AM	0	0	1	1	1	4	5	13	7	5	0	0	0	37
7:45 AM	0	1	0	0	0	1	4	16	11	6	1	1	0	41
Hour Total	0	1	2	2	2	14	25	56	44	15	5	2	0	168

8:00 AM	0	0	0	3	0	3	13	7	8	3	1	0	0	38
8:15 AM	0	0	0	0	0	1	7	16	11	8	0	0	0	43
8:30 AM	0	0	1	0	1	3	9	19	8	3	2	0	0	46
8:45 AM	0	0	0	1	0	3	12	15	13	4	1	1	0	50
Hour Total	0	0	1	4	1	10	41	57	40	18	4	1	0	177
9:00 AM	0	0	0	5	3	10	10	17	11	1	0	0	0	57
9:15 AM	0	0	0	0	0	7	5	7	11	1	3	0	0	34
9:30 AM	0	0	0	0	0	1	10	13	16	3	0	0	0	43
9:45 AM	0	0	0	0	0	2	9	9	9	2	0	0	0	31
Hour Total	0	0	0	5	3	20	34	46	47	7	3	0	0	165
10:00 AM	0	0	0	0	1	7	11	21	11	1	0	0	0	52
10:15 AM	0	0	0	0	1	11	8	19	13	2	1	1	0	56
10:30 AM	0	0	0	0	1	4	14	23	12	4	1	1	0	60
10:45 AM	0	0	0	0	0	2	11	21	21	5	0	0	0	60
Hour Total	0	0	0	0	3	24	44	84	57	12	2	2	0	228
11:00 AM	0	0	1	2	1	3	11	21	15	6	0	0	0	60
11:15 AM	0	0	0	0	1	0	11	18	15	6	1	0	0	52
11:30 AM	0	0	0	0	1	0	4	22	17	8	4	1	0	57
11:45 AM	0	0	0	1	1	3	5	20	19	5	1	1	0	56
Hour Total	0	0	1	3	4	6	31	81	66	25	6	2	0	225
12:00 PM	0	0	0	0	1	2	12	31	34	7	1	0	0	88
12:15 PM	0	0	0	0	0	13	17	19	16	4	2	1	0	72
12:30 PM	0	0	0	0	0	2	2	26	28	6	1	0	0	65
12:45 PM	0	0	0	1	0	0	6	25	15	3	3	0	0	53
Hour Total	0	0	0	1	1	17	37	101	93	20	7	1	0	278
1:00 PM	0	0	1	0	0	0	11	12	18	3	0	0	0	45
1:15 PM	0	0	0	0	2	8	14	18	9	5	2	0	0	58
1:30 PM	0	0	0	0	0	8	23	28	25	14	1	1	0	100
1:45 PM	0	0	0	0	0	4	6	22	21	8	0	3	0	64
Hour Total	0	0	1	0	2	20	54	80	73	30	3	4	0	267
2:00 PM	0	1	0	1	2	3	14	37	13	7	2	0	0	80
2:15 PM	0	0	0	1	3	7	4	21	18	16	1	0	0	71
2:30 PM	0	0	0	0	3	22	53	26	30	12	7	0	0	153
2:45 PM	0	0	0	0	1	11	7	11	21	7	5	0	0	63
Hour Total	0	1	0	2	9	43	78	95	82	42	15	0	0	367
3:00 PM	0	0	1	3	1	7	16	34	19	8	1	0	0	90
3:15 PM	0	0	0	0	0	1	6	18	19	6	3	1	0	54
3:30 PM	0	3	0	2	3	7	16	30	25	11	2	0	0	99
3:45 PM	0	1	0	0	2	0	5	25	20	8	1	0	0	62
Hour Total	0	4	1	5	6	15	43	107	83	33	7	1	0	305

4:00 PM	0	0	0	0	0	2	9	15	21	13	3	1	0	64
4:15 PM	0	1	2	3	3	1	11	10	12	12	6	1	0	62
4:30 PM	0	0	0	0	0	1	16	53	26	16	5	1	1	119
4:45 PM	0	0	1	0	1	1	15	30	41	10	0	1	0	100
Hour Total	0	1	3	3	4	5	51	108	100	51	14	4	1	345
5:00 PM	0	0	0	0	0	1	11	50	37	10	5	0	0	114
5:15 PM	0	0	1	0	0	3	16	23	27	14	7	0	0	91
5:30 PM	0	0	0	0	0	0	5	15	38	17	5	0	0	80
5:45 PM	0	0	0	0	1	0	3	43	22	8	2	0	0	79
Hour Total	0	0	1	0	1	4	35	131	124	49	19	0	0	364
6:00 PM	0	0	0	1	0	2	10	18	20	12	5	1	0	69
6:15 PM	0	0	1	4	1	1	4	14	21	7	7	1	0	61
6:30 PM	0	0	0	0	3	2	11	21	11	1	3	0	0	52
6:45 PM	0	0	0	0	0	0	1	18	17	5	4	0	0	45
Hour Total	0	0	1	5	4	5	26	71	69	25	19	2	0	227
7:00 PM	0	0	0	0	2	1	5	14	17	4	0	0	0	43
7:15 PM	0	0	0	0	1	1	9	16	16	11	1	0	0	55
7:30 PM	0	0	0	0	0	0	5	11	15	7	0	0	0	38
7:45 PM	0	0	0	0	0	2	7	6	6	2	1	0	0	24
Hour Total	0	0	0	0	3	4	26	47	54	24	2	0	0	160
8:00 PM	0	0	0	2	1	2	7	8	3	3	1	0	0	27
8:15 PM	0	0	0	0	1	3	4	11	1	0	1	0	0	21
8:30 PM	0	0	0	1	1	5	8	7	4	2	0	0	0	28
8:45 PM	0	0	1	0	0	1	5	5	4	0	0	0	0	16
Hour Total	0	0	1	3	3	11	24	31	12	5	2	0	0	92
9:00 PM	0	1	0	1	1	1	7	6	3	0	1	0	0	21
9:15 PM	0	0	0	1	0	3	7	8	7	1	1	0	0	28
9:30 PM	0	0	0	0	0	0	0	4	6	1	1	0	0	12
9:45 PM	0	0	0	0	0	1	8	3	7	2	0	0	0	21
Hour Total	0	1	0	2	1	5	22	21	23	4	3	0	0	82
10:00 PM	0	0	0	0	0	0	0	7	8	1	2	0	0	18
10:15 PM	0	0	0	0	0	0	1	20	10	5	3	0	0	39
10:30 PM	0	0	0	0	0	2	6	5	9	2	1	1	0	26
10:45 PM	0	0	0	0	0	0	3	9	4	1	0	0	0	17
Hour Total	0	0	0	0	0	2	10	41	31	9	6	1	0	100
11:00 PM	0	0	0	2	0	3	9	12	10	6	1	0	0	43
11:15 PM	0	0	1	0	0	7	5	5	9	7	0	0	0	34
11:30 PM	0	0	0	1	0	1	0	7	4	6	1	0	0	20
11:45 PM	0	0	0	0	0	0	2	11	12	1	2	2	0	30
Hour Total	0	0	1	3	0	11	16	35	35	20	4	2	0	127
Totals	1	8	14	43	60	248	703	1377	1179	454	136	26	1	4250

Speed Report - Prepared by: NDS/ATD

South of I-205/Mountain House Parkway interchange and ramps
Tracy
Project #: 11-7199-001n
Date: 5/5/2011

North Bound

Speed Statistics.

15th Percentile Speed	:	42 MPH
Median Speed (50th percentile)	:	49 MPH
Average Speed - All Vehicles	:	49 MPH
85th Percentile Speed	:	55 MPH
95th Percentile Speed	:	59 MPH
10 MPH Pace Speed	:	45 - 54 MPH
Number of Vehicles in Pace	:	2556
Percentage of Vehicles in Pace	:	60.14%
Number of Vehicles >= 25 MPH	:	4227
Percentage of Vehicles >= 25 MPH	:	99.46%

Speed Report - Prepared by: NDS/ATD

South of I-205/Mountain House Parkway interchange and ramps

Tracy

Project #: 11-7199-001s Date: 5/5/2011 THURSDAY

South Bound

Begin Time	5-14	15-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-9999	Total
12:00 AM	0	0	0	0	1	1	2	5	0	0	0	0	0	9
12:15 AM	0	0	0	0	4	1	0	3	6	1	0	0	0	15
12:30 AM	0	0	0	0	1	1	1	3	3	2	0	0	0	11
12:45 AM	0	0	0	0	0	1	1	2	0	1	1	0	0	6
Hour Total	0	0	0	0	6	4	4	13	9	4	1	0	0	41
1:00 AM	0	0	0	0	1	1	0	4	2	0	1	0	0	9
1:15 AM	0	1	0	1	0	3	0	6	4	0	1	1	0	17
1:30 AM	0	0	0	0	1	1	3	0	7	0	0	0	0	12
1:45 AM	0	0	0	0	0	1	5	6	6	1	0	0	0	19
Hour Total	0	1	0	1	2	6	8	16	19	1	2	1	0	57
2:00 AM	0	0	0	0	0	1	4	8	8	2	0	0	0	23
2:15 AM	0	0	0	0	1	1	8	10	5	3	1	0	0	29
2:30 AM	0	0	0	0	0	0	1	11	12	4	1	0	0	29
2:45 AM	0	0	0	0	0	1	3	5	6	4	5	0	1	25
Hour Total	0	0	0	0	1	3	16	34	31	13	7	0	1	106
3:00 AM	0	0	0	1	2	0	3	7	6	4	0	0	0	23
3:15 AM	0	0	0	0	0	1	4	7	5	3	1	0	0	21
3:30 AM	0	0	0	0	1	1	2	10	2	3	1	0	0	20
3:45 AM	0	0	0	1	0	0	5	16	4	5	0	0	0	31
Hour Total	0	0	0	2	3	2	14	40	17	15	2	0	0	95
4:00 AM	0	0	0	0	0	1	6	4	4	5	1	1	0	22
4:15 AM	0	0	0	0	0	2	4	7	24	3	2	2	0	44
4:30 AM	0	0	0	0	2	0	10	11	15	10	4	2	0	54
4:45 AM	0	0	0	0	0	4	3	8	17	12	5	4	0	53
Hour Total	0	0	0	0	2	7	23	30	60	30	12	9	0	173
5:00 AM	0	0	0	0	0	5	9	6	11	13	2	1	1	48
5:15 AM	0	0	0	0	2	3	15	16	19	11	3	2	0	71
5:30 AM	0	0	0	1	0	5	12	19	20	16	8	4	0	85
5:45 AM	0	0	1	10	10	14	13	16	17	10	4	2	1	98
Hour Total	0	0	1	11	12	27	49	57	67	50	17	9	2	302
6:00 AM	0	1	0	0	4	3	10	15	13	17	9	2	1	75
6:15 AM	1	0	0	0	6	11	20	31	16	11	6	0	0	102
6:30 AM	0	0	1	0	0	3	16	37	33	21	10	4	0	125
6:45 AM	0	0	0	2	3	5	10	22	23	19	2	0	0	86
Hour Total	1	1	1	2	13	22	56	105	85	68	27	6	1	388
7:00 AM	0	0	0	0	1	10	10	23	21	14	5	1	0	85
7:15 AM	0	0	0	2	8	11	18	15	18	12	3	0	0	87
7:30 AM	0	0	0	0	1	7	10	13	19	14	7	0	0	71
7:45 AM	0	0	0	0	1	4	29	32	24	7	4	1	0	102
Hour Total	0	0	0	2	11	32	67	83	82	47	19	2	0	345

8:00 AM	0	0	0	0	4	15	21	33	19	9	4	0	0	105
8:15 AM	0	0	0	1	3	14	19	14	20	5	4	0	0	80
8:30 AM	0	0	0	3	4	14	15	16	14	7	1	0	0	74
8:45 AM	0	0	0	0	1	2	11	15	15	3	2	0	0	49
Hour Total	0	0	0	4	12	45	66	78	68	24	11	0	0	308
9:00 AM	0	0	0	0	0	0	9	15	11	7	1	0	0	43
9:15 AM	0	0	0	1	6	10	10	23	11	4	4	0	0	69
9:30 AM	0	0	0	0	1	4	12	25	16	3	2	0	0	63
9:45 AM	0	0	0	0	1	1	9	21	13	9	2	1	0	57
Hour Total	0	0	0	1	8	15	40	84	51	23	9	1	0	232
10:00 AM	0	0	0	2	3	18	13	14	12	5	0	1	0	68
10:15 AM	0	0	0	0	0	5	12	17	13	9	2	1	0	59
10:30 AM	0	0	0	2	8	14	22	15	10	5	0	0	0	76
10:45 AM	0	0	0	0	1	3	14	18	11	2	1	0	2	52
Hour Total	0	0	0	4	12	40	61	64	46	21	3	2	2	255
11:00 AM	0	0	0	5	2	10	11	15	13	7	0	0	1	64
11:15 AM	0	0	0	0	3	4	10	17	18	5	2	0	0	59
11:30 AM	0	0	0	0	1	4	18	13	16	6	3	0	0	61
11:45 AM	0	0	0	0	0	3	11	19	12	5	1	0	0	51
Hour Total	0	0	0	5	6	21	50	64	59	23	6	0	1	235
12:00 PM	0	0	0	0	2	5	15	22	13	6	1	0	0	64
12:15 PM	0	0	0	0	2	6	11	22	13	5	0	0	0	59
12:30 PM	0	0	0	0	1	6	12	13	14	3	1	0	0	50
12:45 PM	0	1	0	0	1	3	14	28	9	6	1	0	0	63
Hour Total	0	1	0	0	6	20	52	85	49	20	3	0	0	236
1:00 PM	0	0	0	0	8	10	4	11	16	8	3	0	0	60
1:15 PM	0	1	1	0	12	20	13	17	14	2	0	1	0	81
1:30 PM	0	0	0	1	8	4	15	15	7	4	0	0	0	54
1:45 PM	0	0	0	5	1	4	15	24	9	3	1	0	0	62
Hour Total	0	1	1	6	29	38	47	67	46	17	4	1	0	257
2:00 PM	0	0	0	0	3	3	2	14	20	6	0	0	0	48
2:15 PM	0	0	0	0	1	8	8	21	11	9	1	1	0	60
2:30 PM	0	0	0	0	3	4	10	25	14	7	1	0	0	64
2:45 PM	1	0	3	3	4	8	20	26	17	2	0	1	0	85
Hour Total	1	0	3	3	11	23	40	86	62	24	2	2	0	257
3:00 PM	0	0	0	4	5	5	6	16	17	5	1	0	0	59
3:15 PM	0	0	0	0	0	8	6	18	14	3	1	1	0	51
3:30 PM	2	0	0	0	0	3	5	17	18	5	3	0	0	53
3:45 PM	0	0	0	0	2	4	6	10	20	7	4	2	1	56
Hour Total	2	0	0	4	7	20	23	61	69	20	9	3	1	219

4:00 PM	0	0	0	0	3	11	10	25	15	5	2	0	0	71
4:15 PM	0	0	0	0	14	10	10	13	29	5	3	1	0	85
4:30 PM	1	2	1	2	2	4	9	25	17	12	2	0	0	77
4:45 PM	0	0	0	0	2	3	14	15	13	11	2	0	0	60
Hour Total	1	2	1	2	21	28	43	78	74	33	9	1	0	293
5:00 PM	0	0	0	0	2	1	8	13	10	5	2	1	0	42
5:15 PM	0	0	0	0	2	2	6	17	9	4	2	0	0	42
5:30 PM	0	0	0	0	0	4	3	9	14	6	1	1	0	38
5:45 PM	0	0	0	0	1	8	8	14	5	1	0	0	0	37
Hour Total	0	0	0	0	5	15	25	53	38	16	5	2	0	159
6:00 PM	0	0	0	0	2	2	8	6	6	2	0	0	0	26
6:15 PM	0	0	1	1	3	0	8	12	13	5	1	0	0	44
6:30 PM	0	0	0	1	0	6	6	9	5	3	2	0	0	32
6:45 PM	0	0	0	0	4	0	3	2	7	4	0	0	0	20
Hour Total	0	0	1	2	9	8	25	29	31	14	3	0	0	122
7:00 PM	0	0	0	1	2	2	2	4	4	3	1	0	0	19
7:15 PM	0	0	0	0	1	2	4	11	7	2	0	0	0	27
7:30 PM	0	0	0	2	0	0	3	8	4	2	0	0	0	19
7:45 PM	0	0	0	0	4	2	5	8	2	0	0	0	0	21
Hour Total	0	0	0	3	7	6	14	31	17	7	1	0	0	86
8:00 PM	0	0	0	0	3	4	9	5	0	0	0	0	0	21
8:15 PM	0	0	0	2	3	6	11	4	2	0	0	0	0	28
8:30 PM	0	1	0	0	4	2	10	8	6	1	0	0	0	32
8:45 PM	0	0	1	0	1	2	5	10	5	0	1	0	0	25
Hour Total	0	1	1	2	11	14	35	27	13	1	1	0	0	106
9:00 PM	1	0	0	2	2	4	11	5	3	0	0	1	0	29
9:15 PM	0	0	1	0	1	2	7	10	3	3	0	0	0	27
9:30 PM	0	0	1	0	1	4	6	10	4	2	0	0	0	28
9:45 PM	0	0	0	0	0	5	1	5	2	2	0	0	1	16
Hour Total	1	0	2	2	4	15	25	30	12	7	0	1	1	100
10:00 PM	0	0	0	0	1	1	4	13	5	1	0	0	0	25
10:15 PM	0	0	0	0	0	1	4	2	4	2	0	0	1	14
10:30 PM	0	0	0	0	0	1	2	5	1	0	1	0	0	10
10:45 PM	0	0	0	3	0	0	7	5	0	0	1	0	0	16
Hour Total	0	0	0	3	1	3	17	25	10	3	2	0	1	65
11:00 PM	0	0	0	0	3	1	5	2	2	1	1	0	0	15
11:15 PM	0	0	0	0	0	4	4	2	0	0	1	1	0	12
11:30 PM	0	0	0	0	0	5	5	1	2	2	0	0	0	15
11:45 PM	0	0	0	0	0	1	1	6	2	2	0	0	0	12
Hour Total	0	0	0	0	3	11	15	11	6	5	2	1	0	54
Totals	6	7	11	59	202	425	815	1251	1021	486	157	41	10	4491

Speed Report - Prepared by: NDS/ATD

South of I-205/Mountain House Parkway interchange and ramps
Tracy
Project #: 11-7199-001s
Date: 5/5/2011

South Bound

Speed Statistics.

15th Percentile Speed	:	40 MPH
Median Speed (50th percentile)	:	48 MPH
Average Speed - All Vehicles	:	47 MPH
85th Percentile Speed	:	55 MPH
95th Percentile Speed	:	60 MPH
10 MPH Pace Speed	:	45 - 54 MPH
Number of Vehicles in Pace	:	2272
Percentage of Vehicles in Pace	:	50.59%
Number of Vehicles >= 25 MPH	:	4467
Percentage of Vehicles >= 25 MPH	:	99.47%

Speed Report - Prepared by: NDS/ATD

South of I-205/Mountain House Parkway interchange and ramps

Tracy

Project #: 11-7199-001s Date: 5/5/2011 THURSDAY

North Bound, South Bound

Begin Time	5-14	15-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-9999	Total
12:00 AM	0	0	0	0	1	2	6	15	9	6	1	0	0	40
12:15 AM	0	0	0	0	4	1	3	6	8	4	0	0	0	26
12:30 AM	0	0	0	0	2	2	8	7	5	2	0	1	0	27
12:45 AM	0	0	0	0	2	3	2	8	1	6	2	0	0	24
Hour Total	0	0	0	0	9	8	19	36	23	18	3	1	0	117
1:00 AM	0	0	0	0	2	2	2	6	11	4	1	0	0	28
1:15 AM	0	1	0	2	0	3	3	11	5	0	1	1	0	27
1:30 AM	0	0	0	1	2	3	7	8	9	4	0	0	0	34
1:45 AM	0	0	0	1	0	2	9	15	7	1	0	0	0	35
Hour Total	0	1	0	4	4	10	21	40	32	9	2	1	0	124
2:00 AM	0	0	0	0	0	2	6	12	11	5	0	1	0	37
2:15 AM	0	0	0	0	1	1	8	13	7	3	1	0	0	34
2:30 AM	0	0	0	0	0	1	4	22	20	5	1	0	0	53
2:45 AM	0	0	0	0	0	2	5	13	10	5	5	0	1	41
Hour Total	0	0	0	0	1	6	23	60	48	18	7	1	1	165
3:00 AM	0	0	0	1	3	3	11	11	6	5	1	0	0	41
3:15 AM	0	0	0	0	1	4	5	16	6	4	1	0	0	37
3:30 AM	0	0	0	1	4	3	8	19	12	8	3	0	0	58
3:45 AM	0	0	1	1	0	1	8	19	5	5	0	0	0	40
Hour Total	0	0	1	3	8	11	32	65	29	22	5	0	0	176
4:00 AM	0	0	0	0	0	1	10	9	5	7	1	1	0	34
4:15 AM	0	0	0	0	0	4	7	14	26	4	2	2	0	59
4:30 AM	0	0	0	0	2	2	15	13	20	12	4	2	0	70
4:45 AM	0	0	0	0	0	4	4	11	24	14	5	4	0	66
Hour Total	0	0	0	0	2	11	36	47	75	37	12	9	0	229
5:00 AM	0	0	0	0	0	5	9	12	16	16	2	1	1	62
5:15 AM	0	0	0	0	2	4	18	18	22	12	4	3	0	83
5:30 AM	0	0	0	1	0	5	14	23	30	20	9	4	0	106
5:45 AM	0	0	1	10	11	16	17	25	27	13	4	2	1	127
Hour Total	0	0	1	11	13	30	58	78	95	61	19	10	2	378
6:00 AM	0	1	0	0	4	3	18	21	22	20	11	3	1	104
6:15 AM	2	0	0	1	8	13	31	46	31	13	8	0	0	153
6:30 AM	0	0	1	0	0	4	22	52	45	25	13	4	0	166
6:45 AM	0	0	0	2	3	7	16	35	34	23	3	0	0	123
Hour Total	2	1	1	3	15	27	87	154	132	81	35	7	1	546
7:00 AM	0	0	0	0	2	16	19	42	32	16	6	1	0	134
7:15 AM	0	0	1	3	8	14	25	23	33	14	6	1	0	128
7:30 AM	0	0	1	1	2	11	15	26	26	19	7	0	0	108
7:45 AM	0	1	0	0	1	5	33	48	35	13	5	2	0	143
Hour Total	0	1	2	4	13	46	92	139	126	62	24	4	0	513

8:00 AM	0	0	0	3	4	18	34	40	27	12	5	0	0	143
8:15 AM	0	0	0	1	3	15	26	30	31	13	4	0	0	123
8:30 AM	0	0	1	3	5	17	24	35	22	10	3	0	0	120
8:45 AM	0	0	0	1	1	5	23	30	28	7	3	1	0	99
Hour Total	0	0	1	8	13	55	107	135	108	42	15	1	0	485
9:00 AM	0	0	0	5	3	10	19	32	22	8	1	0	0	100
9:15 AM	0	0	0	1	6	17	15	30	22	5	7	0	0	103
9:30 AM	0	0	0	0	1	5	22	38	32	6	2	0	0	106
9:45 AM	0	0	0	0	1	3	18	30	22	11	2	1	0	88
Hour Total	0	0	0	6	11	35	74	130	98	30	12	1	0	397
10:00 AM	0	0	0	2	4	25	24	35	23	6	0	1	0	120
10:15 AM	0	0	0	0	1	16	20	36	26	11	3	2	0	115
10:30 AM	0	0	0	2	9	18	36	38	22	9	1	1	0	136
10:45 AM	0	0	0	0	1	5	25	39	32	7	1	0	2	112
Hour Total	0	0	0	4	15	64	105	148	103	33	5	4	2	483
11:00 AM	0	0	1	7	3	13	22	36	28	13	0	0	1	124
11:15 AM	0	0	0	0	4	4	21	35	33	11	3	0	0	111
11:30 AM	0	0	0	0	2	4	22	35	33	14	7	1	0	118
11:45 AM	0	0	0	1	1	6	16	39	31	10	2	1	0	107
Hour Total	0	0	1	8	10	27	81	145	125	48	12	2	1	460
12:00 PM	0	0	0	0	3	7	27	53	47	13	2	0	0	152
12:15 PM	0	0	0	0	2	19	28	41	29	9	2	1	0	131
12:30 PM	0	0	0	0	1	8	14	39	42	9	2	0	0	115
12:45 PM	0	1	0	1	1	3	20	53	24	9	4	0	0	116
Hour Total	0	1	0	1	7	37	89	186	142	40	10	1	0	514
1:00 PM	0	0	1	0	8	10	15	23	34	11	3	0	0	105
1:15 PM	0	1	1	0	14	28	27	35	23	7	2	1	0	139
1:30 PM	0	0	0	1	8	12	38	43	32	18	1	1	0	154
1:45 PM	0	0	0	5	1	8	21	46	30	11	1	3	0	126
Hour Total	0	1	2	6	31	58	101	147	119	47	7	5	0	524
2:00 PM	0	1	0	1	5	6	16	51	33	13	2	0	0	128
2:15 PM	0	0	0	1	4	15	12	42	29	25	2	1	0	131
2:30 PM	0	0	0	0	6	26	63	51	44	19	8	0	0	217
2:45 PM	1	0	3	3	5	19	27	37	38	9	5	1	0	148
Hour Total	1	1	3	5	20	66	118	181	144	66	17	2	0	624
3:00 PM	0	0	1	7	6	12	22	50	36	13	2	0	0	149
3:15 PM	0	0	0	0	0	9	12	36	33	9	4	2	0	105
3:30 PM	2	3	0	2	3	10	21	47	43	16	5	0	0	152
3:45 PM	0	1	0	0	4	4	11	35	40	15	5	2	1	118
Hour Total	2	4	1	9	13	35	66	168	152	53	16	4	1	524

4:00 PM	0	0	0	0	3	13	19	40	36	18	5	1	0	135
4:15 PM	0	1	2	3	17	11	21	23	41	17	9	2	0	147
4:30 PM	1	2	1	2	2	5	25	78	43	28	7	1	1	196
4:45 PM	0	0	1	0	3	4	29	45	54	21	2	1	0	160
Hour Total	1	3	4	5	25	33	94	186	174	84	23	5	1	638
5:00 PM	0	0	0	0	2	2	19	63	47	15	7	1	0	156
5:15 PM	0	0	1	0	2	5	22	40	36	18	9	0	0	133
5:30 PM	0	0	0	0	0	4	8	24	52	23	6	1	0	118
5:45 PM	0	0	0	0	2	8	11	57	27	9	2	0	0	116
Hour Total	0	0	1	0	6	19	60	184	162	65	24	2	0	523
6:00 PM	0	0	0	1	2	4	18	24	26	14	5	1	0	95
6:15 PM	0	0	2	5	4	1	12	26	34	12	8	1	0	105
6:30 PM	0	0	0	1	3	8	17	30	16	4	5	0	0	84
6:45 PM	0	0	0	0	4	0	4	20	24	9	4	0	0	65
Hour Total	0	0	2	7	13	13	51	100	100	39	22	2	0	349
7:00 PM	0	0	0	1	4	3	7	18	21	7	1	0	0	62
7:15 PM	0	0	0	0	2	3	13	27	23	13	1	0	0	82
7:30 PM	0	0	0	2	0	0	8	19	19	9	0	0	0	57
7:45 PM	0	0	0	0	4	4	12	14	8	2	1	0	0	45
Hour Total	0	0	0	3	10	10	40	78	71	31	3	0	0	246
8:00 PM	0	0	0	2	4	6	16	13	3	3	1	0	0	48
8:15 PM	0	0	0	2	4	9	15	15	3	0	1	0	0	49
8:30 PM	0	1	0	1	5	7	18	15	10	3	0	0	0	60
8:45 PM	0	0	2	0	1	3	10	15	9	0	1	0	0	41
Hour Total	0	1	2	5	14	25	59	58	25	6	3	0	0	198
9:00 PM	1	1	0	3	3	5	18	11	6	0	1	1	0	50
9:15 PM	0	0	1	1	1	5	14	18	10	4	1	0	0	55
9:30 PM	0	0	1	0	1	4	6	14	10	3	1	0	0	40
9:45 PM	0	0	0	0	0	6	9	8	9	4	0	0	1	37
Hour Total	1	1	2	4	5	20	47	51	35	11	3	1	1	182
10:00 PM	0	0	0	0	1	1	4	20	13	2	2	0	0	43
10:15 PM	0	0	0	0	0	1	5	22	14	7	3	0	1	53
10:30 PM	0	0	0	0	0	3	8	10	10	2	2	1	0	36
10:45 PM	0	0	0	3	0	0	10	14	4	1	1	0	0	33
Hour Total	0	0	0	3	1	5	27	66	41	12	8	1	1	165
11:00 PM	0	0	0	2	3	4	14	14	12	7	2	0	0	58
11:15 PM	0	0	1	0	0	11	9	7	9	7	1	1	0	46
11:30 PM	0	0	0	1	0	6	5	8	6	8	1	0	0	35
11:45 PM	0	0	0	0	0	1	3	17	14	3	2	2	0	42
Hour Total	0	0	1	3	3	22	31	46	41	25	6	3	0	181
Totals	7	15	25	102	262	673	1518	2628	2200	940	293	67	11	8741

Speed Report – Prepared by: NDS/ATD

South of I-205/Mountain House Parkway interchange and ramps
Tracy
Project #: 11-7199-001s
Date: 5/5/2011

North Bound, South Bound

Speed Statistics.

15th Percentile Speed	:	41 MPH
Median Speed (50th percentile)	:	48 MPH
Average Speed – All Vehicles	:	48 MPH
85th Percentile Speed	:	55 MPH
95th Percentile Speed	:	60 MPH
10 MPH Pace Speed	:	45 – 54 MPH
Number of Vehicles in Pace	:	4828
Percentage of Vehicles in Pace	:	55.23%
Number of Vehicles >= 25 MPH	:	8694
Percentage of Vehicles >= 25 MPH	:	99.46%

5/5/2011 City: Tracy Project #: 11-7199-001s

Location: South of I-205/Mountain House Parkway interchange and ramps

Start	Southbound		Hour Totals		Northbound		Hour Totals		Combined Totals	
Time	Morning	Afternoon	Morning	Afternoon	Morning	Afternoon	Morning	Afternoon	Morning	Afternoon
12:00	9	64			31	88				
12:15	15	59			11	72				
12:30	11	50			16	65				
12:45	6	63	41	236	18	53	76	278	117	514
1:00	9	60			19	45				
1:15	17	81			10	58				
1:30	12	54			22	100				
1:45	19	62	57	257	16	64	67	267	124	524
2:00	23	48			14	80				
2:15	29	60			5	71				
2:30	29	64			24	153				
2:45	25	85	106	257	16	63	59	367	165	624
3:00	23	59			18	90				
3:15	21	51			16	54				
3:30	20	53			38	99				
3:45	31	56	95	219	9	62	81	305	176	524
4:00	22	71			12	64				
4:15	44	85			15	62				
4:30	54	77			16	119				
4:45	53	60	173	293	13	100	56	345	229	638
5:00	48	42			14	114				
5:15	71	42			12	91				
5:30	85	38			21	80				
5:45	98	37	302	159	29	79	76	364	378	523
6:00	75	26			29	69				
6:15	102	44			51	61				
6:30	125	32			41	52				
6:45	86	20	388	122	37	45	158	227	546	349
7:00	85	19			49	43				
7:15	87	27			41	55				
7:30	71	19			37	38				
7:45	102	21	345	86	41	24	168	160	513	246
8:00	105	21			38	27				
8:15	80	28			43	21				
8:30	74	32			46	28				
8:45	49	25	308	106	50	16	177	92	485	198
9:00	43	29			57	21				
9:15	69	27			34	28				
9:30	63	28			43	12				
9:45	57	16	232	100	31	21	165	82	397	182
10:00	68	25			52	18				
10:15	59	14			56	39				
10:30	76	10			60	26				
10:45	52	16	255	65	60	17	228	100	483	165
11:00	64	15			60	43				
11:15	59	12			52	34				
11:30	61	15			57	20				
11:45	51	12	235	54	56	30	225	127	460	181
Total	2537	1954	2537	1954	1536	2714	1536	2714	4073	4668
Combined Total	4491		4491		4250		4250		8741	
AM Peak	5:45 AM				11:45 AM					
Vol.	400				281					
P.H.F.	0.800				0.798					
PM Peak		4:00 PM				4:30 PM				
Vol.		293				424				
P.H.F.		0.862				0.891				
Percentage	56.5%	43.5%			36.1%	63.9%				

Speed Report - Prepared by: NDS/ATD

South of I-205/Mountain House Parkway interchange and ramps

Tracy

Project #: 11-7199-001n Date: 5/4/2011 WEDNESDAY

North Bound

Begin Time	5-14	15-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-9999	Total
12:00 AM	0	0	0	0	0	6	10	9	6	5	0	0	0	36
12:15 AM	0	0	0	0	0	1	6	4	7	1	0	0	0	19
12:30 AM	0	0	0	0	0	0	2	2	4	4	0	0	0	12
12:45 AM	0	0	0	0	0	0	9	5	5	2	0	0	0	21
Hour Total	0	0	0	0	0	7	27	20	22	12	0	0	0	88
1:00 AM	0	0	0	0	0	4	6	7	2	2	0	0	0	21
1:15 AM	0	0	0	0	0	1	2	1	0	0	0	0	0	4
1:30 AM	0	0	0	0	0	0	6	5	0	1	0	0	0	12
1:45 AM	0	0	0	0	1	0	4	5	0	0	0	0	0	10
Hour Total	0	0	0	0	1	5	18	18	2	3	0	0	0	47
2:00 AM	0	0	0	0	0	1	1	5	5	0	1	0	0	13
2:15 AM	0	0	0	0	0	0	0	7	1	0	0	0	0	8
2:30 AM	0	0	0	0	0	1	3	12	2	1	0	0	1	20
2:45 AM	0	0	0	0	0	0	3	3	1	2	1	0	0	10
Hour Total	0	0	0	0	0	2	7	27	9	3	2	0	1	51
3:00 AM	0	0	0	0	0	0	2	5	3	0	0	0	0	10
3:15 AM	0	0	0	0	0	0	3	10	3	2	1	0	0	19
3:30 AM	0	0	0	0	0	0	2	12	13	6	1	0	0	34
3:45 AM	0	0	0	0	0	0	2	8	3	2	1	0	0	16
Hour Total	0	0	0	0	0	0	9	35	22	10	3	0	0	79
4:00 AM	0	0	0	0	0	0	3	3	6	0	0	0	0	12
4:15 AM	0	0	0	0	1	3	4	5	2	1	0	0	0	16
4:30 AM	0	0	0	0	3	0	1	6	1	1	2	0	0	14
4:45 AM	0	0	0	0	0	1	2	5	4	2	0	0	0	14
Hour Total	0	0	0	0	4	4	10	19	13	4	2	0	0	56
5:00 AM	0	0	0	1	0	0	4	3	2	1	2	0	0	13
5:15 AM	0	0	0	0	0	0	1	6	2	1	1	2	0	13
5:30 AM	0	0	1	0	1	1	1	6	6	0	2	0	0	18
5:45 AM	0	0	0	0	0	0	1	10	8	4	1	0	0	24
Hour Total	0	0	1	1	1	1	7	25	18	6	6	2	0	68
6:00 AM	0	0	0	0	1	1	2	5	15	2	1	0	0	27
6:15 AM	0	0	0	0	1	1	9	13	11	6	0	0	0	41
6:30 AM	0	0	0	0	0	2	8	19	6	3	2	0	0	40
6:45 AM	0	0	0	0	1	1	4	12	6	2	1	1	0	28
Hour Total	0	0	0	0	3	5	23	49	38	13	4	1	0	136
7:00 AM	0	0	0	0	0	2	8	17	8	3	1	0	0	39
7:15 AM	0	0	0	0	0	0	8	14	13	3	0	0	0	38
7:30 AM	0	0	0	0	0	1	9	20	8	5	1	0	0	44
7:45 AM	0	0	0	0	1	3	7	17	9	2	0	0	0	39
Hour Total	0	0	0	0	1	6	32	68	38	13	2	0	0	160

8:00 AM	0	0	0	0	2	3	15	15	5	1	2	0	0	43
8:15 AM	0	0	1	0	1	1	7	7	11	1	1	0	0	30
8:30 AM	0	0	0	3	1	0	13	18	6	1	0	0	0	42
8:45 AM	0	0	0	0	0	0	10	9	15	2	0	0	0	36
Hour Total	0	0	1	3	4	4	45	49	37	5	3	0	0	151
9:00 AM	0	0	0	0	1	8	12	13	6	3	1	0	0	44
9:15 AM	0	0	0	0	1	11	12	8	7	3	0	0	0	42
9:30 AM	0	0	0	0	0	2	12	17	12	3	0	0	0	46
9:45 AM	0	0	0	0	1	2	16	17	12	2	1	0	0	51
Hour Total	0	0	0	0	3	23	52	55	37	11	2	0	0	183
10:00 AM	0	0	0	0	2	5	10	28	11	3	1	0	0	60
10:15 AM	0	0	0	0	1	1	21	21	10	1	0	0	0	55
10:30 AM	0	0	0	2	2	1	7	13	7	3	0	0	0	35
10:45 AM	0	1	1	0	0	6	16	15	10	0	0	0	0	49
Hour Total	0	1	1	2	5	13	54	77	38	7	1	0	0	199
11:00 AM	0	0	0	0	1	6	14	31	10	2	0	0	0	64
11:15 AM	0	1	0	2	2	2	11	15	19	8	2	1	0	63
11:30 AM	0	0	0	1	1	3	11	19	9	4	2	0	0	50
11:45 AM	0	0	0	0	0	2	10	24	20	3	2	0	0	61
Hour Total	0	1	0	3	4	13	46	89	58	17	6	1	0	238
12:00 PM	0	0	0	0	0	1	8	33	30	3	0	0	0	75
12:15 PM	0	0	0	0	7	3	13	11	10	4	0	0	0	48
12:30 PM	0	0	1	1	0	2	18	8	12	6	1	0	0	49
12:45 PM	0	0	0	0	1	1	2	15	21	13	1	0	0	54
Hour Total	0	0	1	1	8	7	41	67	73	26	2	0	0	226
1:00 PM	0	0	0	0	2	2	13	27	23	4	3	1	0	75
1:15 PM	0	0	0	0	0	0	23	25	22	5	3	1	0	79
1:30 PM	0	1	0	0	1	0	22	39	38	7	5	0	0	113
1:45 PM	0	0	2	0	1	0	13	10	18	6	2	0	0	52
Hour Total	0	1	2	0	4	2	71	101	101	22	13	2	0	319
2:00 PM	0	0	0	0	1	0	6	26	17	9	3	1	0	63
2:15 PM	0	0	1	1	3	3	14	19	17	6	0	1	0	65
2:30 PM	1	0	1	0	0	2	35	53	41	20	4	0	0	157
2:45 PM	0	0	0	0	1	5	12	19	25	12	0	0	0	74
Hour Total	1	0	2	1	5	10	67	117	100	47	7	2	0	359
3:00 PM	0	0	0	0	1	4	11	14	20	9	1	2	0	62
3:15 PM	0	0	0	2	2	6	9	21	20	8	1	0	0	69
3:30 PM	0	0	0	0	0	2	7	17	11	3	2	0	0	42
3:45 PM	0	0	0	1	0	6	10	24	21	7	2	3	0	74
Hour Total	0	0	0	3	3	18	37	76	72	27	6	5	0	247

4:00 PM	0	0	0	1	1	0	10	22	26	16	0	0	0	76
4:15 PM	0	0	0	0	0	0	9	19	23	16	1	0	1	69
4:30 PM	0	0	1	0	7	6	8	44	45	9	3	0	0	123
4:45 PM	0	0	0	1	0	1	16	29	39	11	0	0	0	97
Hour Total	0	0	1	2	8	7	43	114	133	52	4	0	1	365
5:00 PM	1	0	0	1	1	11	28	54	38	15	4	1	0	154
5:15 PM	0	0	1	0	0	2	6	33	38	15	5	0	0	100
5:30 PM	0	0	1	0	0	2	4	23	14	18	2	1	1	66
5:45 PM	0	0	0	0	1	0	5	18	20	8	2	0	0	54
Hour Total	1	0	2	1	2	15	43	128	110	56	13	2	1	374
6:00 PM	0	0	1	0	0	1	12	16	15	4	3	0	0	52
6:15 PM	0	0	0	2	1	0	8	12	12	4	2	0	1	42
6:30 PM	0	0	0	1	3	2	2	6	9	7	6	0	0	36
6:45 PM	0	0	1	6	4	2	4	9	5	3	0	0	0	34
Hour Total	0	0	2	9	8	5	26	43	41	18	11	0	1	164
7:00 PM	0	0	0	1	1	0	6	9	6	3	1	0	0	27
7:15 PM	0	0	0	0	1	3	6	5	7	7	2	0	0	31
7:30 PM	0	0	0	0	0	0	1	9	6	2	0	0	0	18
7:45 PM	0	0	0	0	1	0	8	5	6	2	0	0	0	22
Hour Total	0	0	0	1	3	3	21	28	25	14	3	0	0	98
8:00 PM	0	0	1	0	0	1	4	8	6	2	1	0	0	23
8:15 PM	0	0	0	0	1	2	1	7	2	3	0	0	0	16
8:30 PM	0	0	0	0	0	1	5	4	8	0	0	0	0	18
8:45 PM	0	0	0	0	1	1	0	1	5	1	1	0	0	10
Hour Total	0	0	1	0	2	5	10	20	21	6	2	0	0	67
9:00 PM	0	0	0	1	0	1	6	7	9	0	1	0	1	26
9:15 PM	0	0	0	0	2	2	6	5	5	0	0	0	0	20
9:30 PM	0	0	0	5	0	1	5	3	6	0	0	0	0	20
9:45 PM	0	0	0	0	0	1	3	6	3	0	1	0	0	14
Hour Total	0	0	0	6	2	5	20	21	23	0	2	0	1	80
10:00 PM	0	0	0	1	0	5	11	4	5	4	0	1	0	31
10:15 PM	0	0	0	0	0	0	11	11	17	12	2	1	0	54
10:30 PM	0	0	0	0	0	0	6	18	12	6	3	0	0	45
10:45 PM	0	0	0	0	0	1	3	9	6	2	2	0	0	23
Hour Total	0	0	0	1	0	6	31	42	40	24	7	2	0	153
11:00 PM	0	0	0	0	1	0	2	3	6	2	2	0	0	16
11:15 PM	0	0	0	0	0	1	1	10	3	2	1	2	0	20
11:30 PM	0	0	0	0	0	0	4	5	6	5	0	0	0	20
11:45 PM	0	0	0	0	0	2	3	6	4	6	1	0	0	22
Hour Total	0	0	0	0	1	3	10	24	19	15	4	2	0	78
Totals	2	3	14	34	72	169	750	1312	1090	411	105	19	5	3986

Speed Report - Prepared by: NDS/ATD

South of I-205/Mountain House Parkway interchange and ramps
Tracy
Project #: 11-7199-001n
Date: 5/4/2011

North Bound

Speed Statistics.

15th Percentile Speed	:	42 MPH
Median Speed (50th percentile)	:	49 MPH
Average Speed - All Vehicles	:	48 MPH
85th Percentile Speed	:	55 MPH
95th Percentile Speed	:	59 MPH
10 MPH Pace Speed	:	45 - 54 MPH
Number of Vehicles in Pace	:	2402
Percentage of Vehicles in Pace	:	60.26%
Number of Vehicles >= 25 MPH	:	3967
Percentage of Vehicles >= 25 MPH	:	99.52%

Speed Report - Prepared by: NDS/ATD

South of I-205/Mountain House Parkway interchange and ramps

Tracy

Project #: 11-7199-001s Date: 5/4/2011 WEDNESDAY

South Bound

Begin Time	5-14	15-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-9999	Total
12:00 AM	0	0	0	0	1	0	4	3	0	0	0	0	0	8
12:15 AM	0	0	0	0	0	2	3	1	0	3	0	0	0	9
12:30 AM	0	0	0	0	0	2	1	3	5	0	0	0	0	11
12:45 AM	0	0	0	0	0	0	2	2	1	0	0	0	0	5
Hour Total	0	0	0	0	1	4	10	9	6	3	0	0	0	33
1:00 AM	0	0	0	0	0	0	1	2	2	2	0	0	0	7
1:15 AM	0	0	0	0	0	0	4	3	3	2	0	0	1	13
1:30 AM	0	0	0	0	0	0	4	5	5	2	0	0	1	17
1:45 AM	0	0	0	0	0	2	4	4	9	1	0	0	0	20
Hour Total	0	0	0	0	0	2	13	14	19	7	0	0	2	57
2:00 AM	0	0	0	0	0	2	3	8	5	1	0	1	0	20
2:15 AM	0	0	0	0	0	0	3	8	6	5	2	2	0	26
2:30 AM	0	0	0	0	1	2	3	6	6	7	0	0	0	25
2:45 AM	0	0	0	0	1	2	4	5	8	6	5	0	0	31
Hour Total	0	0	0	0	2	6	13	27	25	19	7	3	0	102
3:00 AM	0	0	0	0	1	1	5	5	9	4	0	0	0	25
3:15 AM	0	0	0	0	1	2	4	3	4	4	2	0	0	20
3:30 AM	0	0	0	0	1	5	2	4	8	5	2	0	0	27
3:45 AM	0	0	0	0	2	4	3	6	13	3	1	0	0	32
Hour Total	0	0	0	0	5	12	14	18	34	16	5	0	0	104
4:00 AM	0	0	0	0	0	3	7	4	4	3	3	0	0	24
4:15 AM	0	0	0	0	0	2	2	8	12	3	0	1	0	28
4:30 AM	0	0	0	1	1	1	5	16	20	12	3	3	0	62
4:45 AM	0	0	0	0	1	4	7	22	18	6	7	2	0	67
Hour Total	0	0	0	1	2	10	21	50	54	24	13	6	0	181
5:00 AM	0	0	0	0	0	2	11	21	15	9	1	2	0	61
5:15 AM	0	0	0	0	4	2	12	16	14	9	1	0	0	58
5:30 AM	0	0	1	1	1	11	17	21	22	11	2	1	0	88
5:45 AM	0	0	1	3	4	15	16	26	16	11	5	2	2	101
Hour Total	0	0	2	4	9	30	56	84	67	40	9	5	2	308
6:00 AM	0	0	0	0	3	9	5	12	12	13	8	2	0	64
6:15 AM	0	0	0	0	4	12	11	18	29	14	4	2	0	94
6:30 AM	0	0	0	1	11	10	16	25	39	23	11	1	0	137
6:45 AM	1	0	1	1	6	16	31	32	30	22	8	0	0	148
Hour Total	1	0	1	2	24	47	63	87	110	72	31	5	0	443
7:00 AM	0	0	0	1	9	6	10	15	22	24	5	2	0	94
7:15 AM	0	0	0	0	0	3	5	16	21	12	7	2	0	66
7:30 AM	0	0	0	0	5	3	11	27	24	13	4	3	0	90
7:45 AM	0	0	0	0	0	9	23	36	32	11	3	1	0	115
Hour Total	0	0	0	1	14	21	49	94	99	60	19	8	0	365

8:00 AM	0	0	0	0	4	12	31	33	29	8	3	2	0	122
8:15 AM	0	0	0	0	6	17	15	25	22	3	2	0	0	90
8:30 AM	0	0	0	0	3	3	15	12	16	12	4	0	0	65
8:45 AM	0	0	0	0	3	3	18	25	11	8	0	1	0	69
Hour Total	0	0	0	0	16	35	79	95	78	31	9	3	0	346
9:00 AM	0	0	0	1	7	10	11	13	11	2	3	0	0	58
9:15 AM	0	0	0	0	0	1	10	19	9	5	0	0	0	44
9:30 AM	0	0	0	2	3	8	16	14	4	4	1	0	0	52
9:45 AM	0	0	0	2	1	10	9	19	13	6	4	0	0	64
Hour Total	0	0	0	5	11	29	46	65	37	17	8	0	0	218
10:00 AM	0	0	0	0	3	6	14	10	7	4	4	0	0	48
10:15 AM	0	1	2	3	4	18	16	16	9	2	1	1	0	73
10:30 AM	0	0	0	0	1	5	8	20	9	3	0	0	0	46
10:45 AM	0	0	0	0	1	7	15	8	4	3	2	1	0	41
Hour Total	0	1	2	3	9	36	53	54	29	12	7	2	0	208
11:00 AM	0	0	0	1	2	7	10	13	16	8	1	0	0	58
11:15 AM	0	0	0	0	2	6	8	20	10	4	2	0	0	52
11:30 AM	0	0	0	1	1	2	9	22	9	5	1	0	0	50
11:45 AM	0	0	0	1	2	1	7	17	13	2	2	0	1	46
Hour Total	0	0	0	3	7	16	34	72	48	19	6	0	1	206
12:00 PM	0	0	0	0	1	8	6	15	15	9	3	1	0	58
12:15 PM	0	0	0	0	0	3	11	18	17	7	0	1	1	58
12:30 PM	0	0	0	0	2	9	7	19	17	10	2	1	0	67
12:45 PM	0	0	0	0	0	7	12	11	14	7	3	1	0	55
Hour Total	0	0	0	0	3	27	36	63	63	33	8	4	1	238
1:00 PM	0	0	0	1	2	7	7	16	8	7	2	0	0	50
1:15 PM	0	0	0	0	3	8	7	22	20	10	1	0	0	71
1:30 PM	0	0	4	1	1	5	12	30	15	10	3	0	1	82
1:45 PM	1	0	0	0	0	4	14	18	15	5	2	2	0	61
Hour Total	1	0	4	2	6	24	40	86	58	32	8	2	1	264
2:00 PM	0	0	0	0	0	2	13	23	14	3	0	2	0	57
2:15 PM	0	0	0	1	3	7	8	8	9	5	1	0	0	42
2:30 PM	0	0	0	0	2	10	20	16	14	1	1	0	0	64
2:45 PM	0	0	0	0	2	9	14	10	12	7	0	1	0	55
Hour Total	0	0	0	1	7	28	55	57	49	16	2	3	0	218
3:00 PM	0	0	0	0	2	11	12	15	14	3	1	0	0	58
3:15 PM	0	0	0	0	0	4	11	16	8	5	2	1	0	47
3:30 PM	0	0	0	1	4	5	17	22	11	3	1	0	0	64
3:45 PM	0	0	0	0	1	6	5	14	5	12	1	0	0	44
Hour Total	0	0	0	1	7	26	45	67	38	23	5	1	0	213

4:00 PM	0	0	0	1	3	3	10	18	7	4	2	0	0	48
4:15 PM	0	0	0	0	1	11	12	22	28	5	3	0	0	82
4:30 PM	0	0	0	0	0	13	6	15	10	6	1	0	0	51
4:45 PM	0	0	0	0	4	4	11	9	11	6	3	0	0	48
Hour Total	0	0	0	1	8	31	39	64	56	21	9	0	0	229
5:00 PM	0	0	0	0	0	4	15	12	10	3	2	1	0	47
5:15 PM	0	0	0	0	1	1	15	11	13	4	2	0	0	47
5:30 PM	0	0	0	0	2	4	10	5	9	3	0	0	0	33
5:45 PM	0	0	0	0	1	3	5	8	8	3	4	0	0	32
Hour Total	0	0	0	0	4	12	45	36	40	13	8	1	0	159
6:00 PM	0	0	0	0	1	2	2	10	12	2	2	1	0	32
6:15 PM	0	0	0	1	5	10	4	9	5	3	1	0	0	38
6:30 PM	0	0	0	1	0	2	4	7	11	4	0	1	0	30
6:45 PM	0	0	0	1	4	5	4	3	6	5	0	0	0	28
Hour Total	0	0	0	3	10	19	14	29	34	14	3	2	0	128
7:00 PM	0	0	0	2	2	1	4	6	3	3	0	0	0	21
7:15 PM	0	0	0	0	3	3	3	1	6	3	1	0	0	20
7:30 PM	0	0	0	0	1	2	5	5	0	0	0	0	0	13
7:45 PM	0	0	0	2	1	2	4	7	4	3	0	0	0	23
Hour Total	0	0	0	4	7	8	16	19	13	9	1	0	0	77
8:00 PM	0	0	0	0	1	2	2	5	4	4	1	0	0	19
8:15 PM	0	0	0	0	1	5	4	10	2	4	1	0	0	27
8:30 PM	0	0	0	0	2	1	3	4	6	2	0	0	0	18
8:45 PM	0	0	0	0	1	8	1	8	7	4	1	0	0	30
Hour Total	0	0	0	0	5	16	10	27	19	14	3	0	0	94
9:00 PM	0	0	0	1	0	3	6	13	2	2	0	0	0	27
9:15 PM	0	0	0	0	1	4	8	15	3	2	0	0	0	33
9:30 PM	0	0	0	0	0	0	4	2	5	3	0	0	0	14
9:45 PM	0	0	0	0	0	1	7	5	1	2	0	1	0	17
Hour Total	0	0	0	1	1	8	25	35	11	9	0	1	0	91
10:00 PM	0	0	0	2	3	3	8	5	5	1	0	0	0	27
10:15 PM	0	0	0	0	1	1	5	7	6	4	0	1	0	25
10:30 PM	0	0	0	0	1	1	1	0	2	1	0	0	0	6
10:45 PM	0	0	0	0	0	2	5	6	2	1	0	1	0	17
Hour Total	0	0	0	2	5	7	19	18	15	7	0	2	0	75
11:00 PM	0	0	0	0	2	0	4	8	1	1	0	0	0	16
11:15 PM	0	0	0	0	0	1	5	1	1	1	0	0	0	9
11:30 PM	0	0	0	2	2	3	4	3	1	1	0	0	0	16
11:45 PM	0	0	0	0	0	3	2	0	2	0	0	0	0	7
Hour Total	0	0	0	2	4	7	15	12	5	3	0	0	0	48
Totals	2	1	9	36	167	461	810	1182	1007	514	161	48	7	4405

Speed Report - Prepared by: NDS/ATD

South of I-205/Mountain House Parkway interchange and ramps
Tracy
Project #: 11-7199-001s
Date: 5/4/2011

South Bound

Speed Statistics.

15th Percentile Speed	:	40 MPH
Median Speed (50th percentile)	:	48 MPH
Average Speed - All Vehicles	:	48 MPH
85th Percentile Speed	:	56 MPH
95th Percentile Speed	:	60 MPH
10 MPH Pace Speed	:	45 - 54 MPH
Number of Vehicles in Pace	:	2189
Percentage of Vehicles in Pace	:	49.69%
Number of Vehicles >= 25 MPH	:	4393
Percentage of Vehicles >= 25 MPH	:	99.73%

Speed Report - Prepared by: NDS/ATD

South of I-205/Mountain House Parkway interchange and ramps

Tracy

Project #: 11-7199-001s Date: 5/4/2011 WEDNESDAY

North Bound, South Bound

Begin Time	5-14	15-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-9999	Total
12:00 AM	0	0	0	0	1	6	14	12	6	5	0	0	0	44
12:15 AM	0	0	0	0	0	3	9	5	7	4	0	0	0	28
12:30 AM	0	0	0	0	0	2	3	5	9	4	0	0	0	23
12:45 AM	0	0	0	0	0	0	11	7	6	2	0	0	0	26
Hour Total	0	0	0	0	1	11	37	29	28	15	0	0	0	121
1:00 AM	0	0	0	0	0	4	7	9	4	4	0	0	0	28
1:15 AM	0	0	0	0	0	1	6	4	3	2	0	0	1	17
1:30 AM	0	0	0	0	0	0	10	10	5	3	0	0	1	29
1:45 AM	0	0	0	0	1	2	8	9	9	1	0	0	0	30
Hour Total	0	0	0	0	1	7	31	32	21	10	0	0	2	104
2:00 AM	0	0	0	0	0	3	4	13	10	1	1	1	0	33
2:15 AM	0	0	0	0	0	0	3	15	7	5	2	2	0	34
2:30 AM	0	0	0	0	1	3	6	18	8	8	0	0	1	45
2:45 AM	0	0	0	0	1	2	7	8	9	8	6	0	0	41
Hour Total	0	0	0	0	2	8	20	54	34	22	9	3	1	153
3:00 AM	0	0	0	0	1	1	7	10	12	4	0	0	0	35
3:15 AM	0	0	0	0	1	2	7	13	7	6	3	0	0	39
3:30 AM	0	0	0	0	1	5	4	16	21	11	3	0	0	61
3:45 AM	0	0	0	0	2	4	5	14	16	5	2	0	0	48
Hour Total	0	0	0	0	5	12	23	53	56	26	8	0	0	183
4:00 AM	0	0	0	0	0	3	10	7	10	3	3	0	0	36
4:15 AM	0	0	0	0	1	5	6	13	14	4	0	1	0	44
4:30 AM	0	0	0	1	4	1	6	22	21	13	5	3	0	76
4:45 AM	0	0	0	0	1	5	9	27	22	8	7	2	0	81
Hour Total	0	0	0	1	6	14	31	69	67	28	15	6	0	237
5:00 AM	0	0	0	1	0	2	15	24	17	10	3	2	0	74
5:15 AM	0	0	0	0	4	2	13	22	16	10	2	2	0	71
5:30 AM	0	0	2	1	2	12	18	27	28	11	4	1	0	106
5:45 AM	0	0	1	3	4	15	17	36	24	15	6	2	2	125
Hour Total	0	0	3	5	10	31	63	109	85	46	15	7	2	376
6:00 AM	0	0	0	0	4	10	7	17	27	15	9	2	0	91
6:15 AM	0	0	0	0	5	13	20	31	40	20	4	2	0	135
6:30 AM	0	0	0	1	11	12	24	44	45	26	13	1	0	177
6:45 AM	1	0	1	1	7	17	35	44	36	24	9	1	0	176
Hour Total	1	0	1	2	27	52	86	136	148	85	35	6	0	579
7:00 AM	0	0	0	1	9	8	18	32	30	27	6	2	0	133
7:15 AM	0	0	0	0	0	3	13	30	34	15	7	2	0	104
7:30 AM	0	0	0	0	5	4	20	47	32	18	5	3	0	134
7:45 AM	0	0	0	0	1	12	30	53	41	13	3	1	0	154
Hour Total	0	0	0	1	15	27	81	162	137	73	21	8	0	525

8:00 AM	0	0	0	0	6	15	46	48	34	9	5	2	0	165
8:15 AM	0	0	1	0	7	18	22	32	33	4	3	0	0	120
8:30 AM	0	0	0	3	4	3	28	30	22	13	4	0	0	107
8:45 AM	0	0	0	0	3	3	28	34	26	10	0	1	0	105
Hour Total	0	0	1	3	20	39	124	144	115	36	12	3	0	497
9:00 AM	0	0	0	1	8	18	23	26	17	5	4	0	0	102
9:15 AM	0	0	0	0	1	12	22	27	16	8	0	0	0	86
9:30 AM	0	0	0	2	3	10	28	31	16	7	1	0	0	98
9:45 AM	0	0	0	2	2	12	25	36	25	8	5	0	0	115
Hour Total	0	0	0	5	14	52	98	120	74	28	10	0	0	401
10:00 AM	0	0	0	0	5	11	24	38	18	7	5	0	0	108
10:15 AM	0	1	2	3	5	19	37	37	19	3	1	1	0	128
10:30 AM	0	0	0	2	3	6	15	33	16	6	0	0	0	81
10:45 AM	0	1	1	0	1	13	31	23	14	3	2	1	0	90
Hour Total	0	2	3	5	14	49	107	131	67	19	8	2	0	407
11:00 AM	0	0	0	1	3	13	24	44	26	10	1	0	0	122
11:15 AM	0	1	0	2	4	8	19	35	29	12	4	1	0	115
11:30 AM	0	0	0	2	2	5	20	41	18	9	3	0	0	100
11:45 AM	0	0	0	1	2	3	17	41	33	5	4	0	1	107
Hour Total	0	1	0	6	11	29	80	161	106	36	12	1	1	444
12:00 PM	0	0	0	0	1	9	14	48	45	12	3	1	0	133
12:15 PM	0	0	0	0	7	6	24	29	27	11	0	1	1	106
12:30 PM	0	0	1	1	2	11	25	27	29	16	3	1	0	116
12:45 PM	0	0	0	0	1	8	14	26	35	20	4	1	0	109
Hour Total	0	0	1	1	11	34	77	130	136	59	10	4	1	464
1:00 PM	0	0	0	1	4	9	20	43	31	11	5	1	0	125
1:15 PM	0	0	0	0	3	8	30	47	42	15	4	1	0	150
1:30 PM	0	1	4	1	2	5	34	69	53	17	8	0	1	195
1:45 PM	1	0	2	0	1	4	27	28	33	11	4	2	0	113
Hour Total	1	1	6	2	10	26	111	187	159	54	21	4	1	583
2:00 PM	0	0	0	0	1	2	19	49	31	12	3	3	0	120
2:15 PM	0	0	1	2	6	10	22	27	26	11	1	1	0	107
2:30 PM	1	0	1	0	2	12	55	69	55	21	5	0	0	221
2:45 PM	0	0	0	0	3	14	26	29	37	19	0	1	0	129
Hour Total	1	0	2	2	12	38	122	174	149	63	9	5	0	577
3:00 PM	0	0	0	0	3	15	23	29	34	12	2	2	0	120
3:15 PM	0	0	0	2	2	10	20	37	28	13	3	1	0	116
3:30 PM	0	0	0	1	4	7	24	39	22	6	3	0	0	106
3:45 PM	0	0	0	1	1	12	15	38	26	19	3	3	0	118
Hour Total	0	0	0	4	10	44	82	143	110	50	11	6	0	460

4:00 PM	0	0	0	2	4	3	20	40	33	20	2	0	0	124
4:15 PM	0	0	0	0	1	11	21	41	51	21	4	0	1	151
4:30 PM	0	0	1	0	7	19	14	59	55	15	4	0	0	174
4:45 PM	0	0	0	1	4	5	27	38	50	17	3	0	0	145
Hour Total	0	0	1	3	16	38	82	178	189	73	13	0	1	594
5:00 PM	1	0	0	1	1	15	43	66	48	18	6	2	0	201
5:15 PM	0	0	1	0	1	3	21	44	51	19	7	0	0	147
5:30 PM	0	0	1	0	2	6	14	28	23	21	2	1	1	99
5:45 PM	0	0	0	0	2	3	10	26	28	11	6	0	0	86
Hour Total	1	0	2	1	6	27	88	164	150	69	21	3	1	533
6:00 PM	0	0	1	0	1	3	14	26	27	6	5	1	0	84
6:15 PM	0	0	0	3	6	10	12	21	17	7	3	0	1	80
6:30 PM	0	0	0	2	3	4	6	13	20	11	6	1	0	66
6:45 PM	0	0	1	7	8	7	8	12	11	8	0	0	0	62
Hour Total	0	0	2	12	18	24	40	72	75	32	14	2	1	292
7:00 PM	0	0	0	3	3	1	10	15	9	6	1	0	0	48
7:15 PM	0	0	0	0	4	6	9	6	13	10	3	0	0	51
7:30 PM	0	0	0	0	1	2	6	14	6	2	0	0	0	31
7:45 PM	0	0	0	2	2	2	12	12	10	5	0	0	0	45
Hour Total	0	0	0	5	10	11	37	47	38	23	4	0	0	175
8:00 PM	0	0	1	0	1	3	6	13	10	6	2	0	0	42
8:15 PM	0	0	0	0	2	7	5	17	4	7	1	0	0	43
8:30 PM	0	0	0	0	2	2	8	8	14	2	0	0	0	36
8:45 PM	0	0	0	0	2	9	1	9	12	5	2	0	0	40
Hour Total	0	0	1	0	7	21	20	47	40	20	5	0	0	161
9:00 PM	0	0	0	2	0	4	12	20	11	2	1	0	1	53
9:15 PM	0	0	0	0	3	6	14	20	8	2	0	0	0	53
9:30 PM	0	0	0	5	0	1	9	5	11	3	0	0	0	34
9:45 PM	0	0	0	0	0	2	10	11	4	2	1	1	0	31
Hour Total	0	0	0	7	3	13	45	56	34	9	2	1	1	171
10:00 PM	0	0	0	3	3	8	19	9	10	5	0	1	0	58
10:15 PM	0	0	0	0	1	1	16	18	23	16	2	2	0	79
10:30 PM	0	0	0	0	1	1	7	18	14	7	3	0	0	51
10:45 PM	0	0	0	0	0	3	8	15	8	3	2	1	0	40
Hour Total	0	0	0	3	5	13	50	60	55	31	7	4	0	228
11:00 PM	0	0	0	0	3	0	6	11	7	3	2	0	0	32
11:15 PM	0	0	0	0	0	2	6	11	4	3	1	2	0	29
11:30 PM	0	0	0	2	2	3	8	8	7	6	0	0	0	36
11:45 PM	0	0	0	0	0	5	5	6	6	6	1	0	0	29
Hour Total	0	0	0	2	5	10	25	36	24	18	4	2	0	126
Totals	4	4	23	70	239	630	1560	2494	2097	925	266	67	12	8391

Speed Report – Prepared by: NDS/ATD

South of I-205/Mountain House Parkway interchange and ramps
Tracy
Project #: 11-7199-001s
Date: 5/4/2011

North Bound, South Bound

Speed Statistics.

15th Percentile Speed	:	41 MPH
Median Speed (50th percentile)	:	48 MPH
Average Speed – All Vehicles	:	48 MPH
85th Percentile Speed	:	55 MPH
95th Percentile Speed	:	60 MPH
10 MPH Pace Speed	:	45 – 54 MPH
Number of Vehicles in Pace	:	4591
Percentage of Vehicles in Pace	:	54.71%
Number of Vehicles >= 25 MPH	:	8360
Percentage of Vehicles >= 25 MPH	:	99.63%

5/4/2011 City: Tracy Project #: 11-7199-001s

Location: South of I-205/Mountain House Parkway interchange and ramps

Start	Southbound		Hour Totals		Northbound		Hour Totals		Combined Totals	
Time	Morning	Afternoon	Morning	Afternoon	Morning	Afternoon	Morning	Afternoon	Morning	Afternoon
12:00	8	58			36	75				
12:15	9	58			19	48				
12:30	11	67			12	49				
12:45	5	55	33	238	21	54	88	226	121	464
1:00	7	50			21	75				
1:15	13	71			4	79				
1:30	17	82			12	113				
1:45	20	61	57	264	10	52	47	319	104	583
2:00	20	57			13	63				
2:15	26	42			8	65				
2:30	25	64			20	157				
2:45	31	55	102	218	10	74	51	359	153	577
3:00	25	58			10	62				
3:15	20	47			19	69				
3:30	27	64			34	42				
3:45	32	44	104	213	16	74	79	247	183	460
4:00	24	48			12	76				
4:15	28	82			16	69				
4:30	62	51			14	123				
4:45	67	48	181	229	14	97	56	365	237	594
5:00	61	47			13	154				
5:15	58	47			13	100				
5:30	88	33			18	66				
5:45	101	32	308	159	24	54	68	374	376	533
6:00	64	32			27	52				
6:15	94	38			41	42				
6:30	137	30			40	36				
6:45	148	28	443	128	28	34	136	164	579	292
7:00	94	21			39	27				
7:15	66	20			38	31				
7:30	90	13			44	18				
7:45	115	23	365	77	39	22	160	98	525	175
8:00	122	19			43	23				
8:15	90	27			30	16				
8:30	65	18			42	18				
8:45	69	30	346	94	36	10	151	67	497	161
9:00	58	27			44	26				
9:15	44	33			42	20				
9:30	52	14			46	20				
9:45	64	17	218	91	51	14	183	80	401	171
10:00	48	27			60	31				
10:15	73	25			55	54				
10:30	46	6			35	45				
10:45	41	17	208	75	49	23	199	153	407	228
11:00	58	16			64	16				
11:15	52	9			63	20				
11:30	50	16			50	20				
11:45	46	7	206	48	61	22	238	78	444	126
Total	2571	1834	2571	1834	1456	2530	1456	2530	4027	4364
Combined Total	4405		4405		3986		3986		8391	
AM Peak	6:15 AM				11:15 AM					
Vol.	473				249					
P.H.F.	0.799				0.830					
PM Peak		1:15 PM				4:30 PM				
Vol.		271				474				
P.H.F.		0.826				0.769				
Percentage	58.4%	41.6%			36.5%	63.5%				

Class Report - Prepared by: NDS/ATD

South of I-205/Mountain House Parkway interchange and ramps

Tracy

Project #:11-7199-001n Date: 5/5/2011 THURSDAY

North Bound

Begin Time	Bikes	Cars & Tlrs	2 Axle Long	Buses	2 Axle 6 Tire	3 Axle Single	4 Axle Single	<5 Axle Double	5 Axle Double	>5 Axle Double	<6 Axle Multi	6 Axle Multi	>6 Axle Multi	Total
12:00 AM	0	21	2	0	3	1	0	4	0	0	0	0	0	31
12:15 AM	0	6	2	0	1	0	0	2	0	0	0	0	0	11
12:30 AM	0	8	1	0	1	0	0	6	0	0	0	0	0	16
12:45 AM	0	9	3	0	0	0	0	6	0	0	0	0	0	18
Hour Total	0	44	8	0	5	1	0	18	0	0	0	0	0	76
1:00 AM	0	13	1	0	2	0	0	2	1	0	0	0	0	19
1:15 AM	0	8	0	0	0	0	0	2	0	0	0	0	0	10
1:30 AM	0	11	4	0	4	0	0	3	0	0	0	0	0	22
1:45 AM	0	9	2	0	0	0	0	4	1	0	0	0	0	16
Hour Total	0	41	7	0	6	0	0	11	2	0	0	0	0	67
2:00 AM	1	6	1	0	4	0	0	2	0	0	0	0	0	14
2:15 AM	0	1	1	0	0	0	0	2	1	0	0	0	0	5
2:30 AM	1	10	3	0	0	0	0	9	1	0	0	0	0	24
2:45 AM	0	10	2	0	0	0	0	4	0	0	0	0	0	16
Hour Total	2	27	7	0	4	0	0	17	2	0	0	0	0	59
3:00 AM	0	6	1	0	2	0	0	9	0	0	0	0	0	18
3:15 AM	0	8	1	0	1	0	0	6	0	0	0	0	0	16
3:30 AM	0	25	3	0	2	0	0	8	0	0	0	0	0	38
3:45 AM	0	4	0	0	1	0	0	2	2	0	0	0	0	9
Hour Total	0	43	5	0	6	0	0	25	2	0	0	0	0	81
4:00 AM	0	7	1	0	2	0	0	2	0	0	0	0	0	12
4:15 AM	0	2	2	0	2	0	0	8	1	0	0	0	0	15
4:30 AM	0	7	1	0	0	0	0	8	0	0	0	0	0	16
4:45 AM	0	4	4	1	0	1	0	2	1	0	0	0	0	13
Hour Total	0	20	8	1	4	1	0	20	2	0	0	0	0	56
5:00 AM	0	6	1	0	1	1	0	4	1	0	0	0	0	14
5:15 AM	0	6	1	0	1	1	0	2	1	0	0	0	0	12
5:30 AM	0	8	1	0	1	0	0	3	7	0	1	0	0	21
5:45 AM	0	12	2	0	2	0	0	6	3	0	4	0	0	29
Hour Total	0	32	5	0	5	2	0	15	12	0	5	0	0	76
6:00 AM	0	8	3	1	4	0	0	12	1	0	0	0	0	29
6:15 AM	0	26	4	0	2	1	0	9	4	0	5	0	0	51
6:30 AM	0	15	2	0	5	2	0	10	3	0	4	0	0	41
6:45 AM	0	11	3	0	2	0	0	16	4	0	1	0	0	37
Hour Total	0	60	12	1	13	3	0	47	12	0	10	0	0	158
7:00 AM	0	12	3	1	5	1	0	25	2	0	0	0	0	49
7:15 AM	0	10	4	1	8	0	0	10	7	0	0	1	0	41
7:30 AM	0	14	3	1	3	0	0	14	1	0	1	0	0	37
7:45 AM	0	13	6	0	4	0	0	14	3	0	1	0	0	41
Hour Total	0	49	16	3	20	1	0	63	13	0	2	1	0	168

8:00 AM	0	6	6	0	5	0	0	17	3	0	1	0	0	38
8:15 AM	0	13	6	1	1	0	0	13	9	0	0	0	0	43
8:30 AM	2	11	3	1	4	0	0	19	5	0	1	0	0	46
8:45 AM	1	15	3	0	7	2	0	15	3	0	4	0	0	50
Hour Total	3	45	18	2	17	2	0	64	20	0	6	0	0	177
9:00 AM	0	5	6	1	5	4	0	24	4	1	7	0	0	57
9:15 AM	0	4	2	1	7	1	0	10	4	0	5	0	0	34
9:30 AM	0	14	5	0	2	1	0	15	6	0	0	0	0	43
9:45 AM	0	9	4	0	4	0	0	5	7	0	2	0	0	31
Hour Total	0	32	17	2	18	6	0	54	21	1	14	0	0	165
10:00 AM	1	13	6	0	6	2	0	13	7	0	4	0	0	52
10:15 AM	1	18	5	0	6	1	0	18	5	0	2	0	0	56
10:30 AM	0	15	10	0	9	1	0	14	6	0	5	0	0	60
10:45 AM	1	19	6	3	5	0	0	17	5	0	4	0	0	60
Hour Total	3	65	27	3	26	4	0	62	23	0	15	0	0	228
11:00 AM	0	16	8	0	7	0	0	15	9	0	5	0	0	60
11:15 AM	0	16	4	2	3	1	0	15	8	0	3	0	0	52
11:30 AM	0	21	9	0	7	1	0	11	5	0	3	0	0	57
11:45 AM	0	25	9	0	3	1	0	8	5	0	5	0	0	56
Hour Total	0	78	30	2	20	3	0	49	27	0	16	0	0	225
12:00 PM	1	32	13	0	12	2	0	19	3	0	6	0	0	88
12:15 PM	0	28	13	0	5	2	0	19	3	0	2	0	0	72
12:30 PM	0	23	9	2	8	0	0	12	8	0	3	0	0	65
12:45 PM	0	22	6	0	5	1	0	11	6	0	2	0	0	53
Hour Total	1	105	41	2	30	5	0	61	20	0	13	0	0	278
1:00 PM	1	12	2	1	12	0	0	9	5	0	3	0	0	45
1:15 PM	0	26	10	1	7	1	0	10	0	0	3	0	0	58
1:30 PM	0	57	14	0	13	1	0	10	4	0	1	0	0	100
1:45 PM	0	34	8	0	5	1	0	7	6	0	3	0	0	64
Hour Total	1	129	34	2	37	3	0	36	15	0	10	0	0	267
2:00 PM	0	35	13	3	8	0	0	11	6	0	3	1	0	80
2:15 PM	0	33	13	0	11	1	0	3	5	0	5	0	0	71
2:30 PM	0	103	26	2	8	2	0	9	0	0	3	0	0	153
2:45 PM	0	37	9	0	4	2	0	5	3	0	3	0	0	63
Hour Total	0	208	61	5	31	5	0	28	14	0	14	1	0	367
3:00 PM	0	43	12	1	12	2	0	12	3	0	4	1	0	90
3:15 PM	0	28	3	1	8	1	0	4	5	0	4	0	0	54
3:30 PM	0	57	15	3	8	1	0	9	6	0	0	0	0	99
3:45 PM	0	36	4	1	7	5	0	6	2	0	0	1	0	62
Hour Total	0	164	34	6	35	9	0	31	16	0	8	2	0	305

4:00 PM	0	36	13	0	7	1	0	5	1	0	1	0	0	64
4:15 PM	0	32	12	2	10	1	0	4	1	0	0	0	0	62
4:30 PM	0	73	20	0	14	1	0	7	4	0	0	0	0	119
4:45 PM	1	62	17	1	10	3	0	3	3	0	0	0	0	100
Hour Total	1	203	62	3	41	6	0	19	9	0	1	0	0	345
5:00 PM	0	86	9	1	8	1	0	7	2	0	0	0	0	114
5:15 PM	0	50	23	0	8	0	0	6	4	0	0	0	0	91
5:30 PM	0	46	14	1	10	0	0	4	4	0	0	1	0	80
5:45 PM	0	58	5	0	6	0	0	6	3	0	1	0	0	79
Hour Total	0	240	51	2	32	1	0	23	13	0	1	1	0	364
6:00 PM	0	40	13	0	8	2	0	5	1	0	0	0	0	69
6:15 PM	0	43	4	0	8	0	0	4	2	0	0	0	0	61
6:30 PM	0	36	3	0	3	0	0	7	3	0	0	0	0	52
6:45 PM	0	26	8	0	2	0	0	5	4	0	0	0	0	45
Hour Total	0	145	28	0	21	2	0	21	10	0	0	0	0	227
7:00 PM	0	21	13	0	2	0	0	5	2	0	0	0	0	43
7:15 PM	0	33	7	0	7	0	0	6	2	0	0	0	0	55
7:30 PM	0	27	5	0	3	0	0	1	2	0	0	0	0	38
7:45 PM	0	14	5	0	1	0	0	3	1	0	0	0	0	24
Hour Total	0	95	30	0	13	0	0	15	7	0	0	0	0	160
8:00 PM	0	17	4	0	2	0	0	4	0	0	0	0	0	27
8:15 PM	0	13	4	0	2	0	0	0	2	0	0	0	0	21
8:30 PM	1	16	2	1	3	1	0	3	1	0	0	0	0	28
8:45 PM	0	5	4	0	2	1	0	3	1	0	0	0	0	16
Hour Total	1	51	14	1	9	2	0	10	4	0	0	0	0	92
9:00 PM	0	8	5	2	3	0	0	3	0	0	0	0	0	21
9:15 PM	0	16	5	0	2	0	0	5	0	0	0	0	0	28
9:30 PM	1	8	0	0	1	0	0	1	1	0	0	0	0	12
9:45 PM	0	11	3	0	1	0	0	5	1	0	0	0	0	21
Hour Total	1	43	13	2	7	0	0	14	2	0	0	0	0	82
10:00 PM	0	11	4	0	1	0	0	1	1	0	0	0	0	18
10:15 PM	0	30	7	0	0	0	0	2	0	0	0	0	0	39
10:30 PM	0	17	2	0	1	0	0	6	0	0	0	0	0	26
10:45 PM	0	8	3	0	2	0	0	4	0	0	0	0	0	17
Hour Total	0	66	16	0	4	0	0	13	1	0	0	0	0	100
11:00 PM	0	28	8	0	4	0	0	3	0	0	0	0	0	43
11:15 PM	0	20	5	0	0	0	0	9	0	0	0	0	0	34
11:30 PM	0	11	3	0	2	0	0	3	1	0	0	0	0	20
11:45 PM	0	18	7	0	2	0	0	3	0	0	0	0	0	30
Hour Total	0	77	23	0	8	0	0	18	1	0	0	0	0	127
Totals	13	2062	567	37	412	56	0	734	248	1	115	5	0	4250
Percent	0.3%	48.5%	13.3%	0.9%	9.7%	1.3%	0.0%	17.3%	5.8%	0.0%	2.7%	0.1%	0.0%	

Class Report - Prepared by: NDS/ATD

South of I-205/Mountain House Parkway interchange and ramps

Tracy

Project #:11-7199-001s Date: 5/5/2011 THURSDAY

South Bound

Begin Time	Bikes	Cars & Tlrs	2 Axle Long	Buses	2 Axle 6 Tire	3 Axle Single	4 Axle Single	<5 Axle Double	5 Axle Double	>5 Axle Double	<6 Axle Multi	6 Axle Multi	>6 Axle Multi	Total
12:00 AM	0	2	1	0	0	0	0	6	0	0	0	0	0	9
12:15 AM	0	5	4	0	1	0	0	3	2	0	0	0	0	15
12:30 AM	0	3	3	0	1	0	0	4	0	0	0	0	0	11
12:45 AM	0	2	1	0	1	0	0	2	0	0	0	0	0	6
Hour Total	0	12	9	0	3	0	0	15	2	0	0	0	0	41
1:00 AM	0	4	0	0	1	0	0	3	1	0	0	0	0	9
1:15 AM	0	10	2	0	1	0	0	4	0	0	0	0	0	17
1:30 AM	0	6	0	0	3	0	0	3	0	0	0	0	0	12
1:45 AM	0	11	2	0	1	0	0	5	0	0	0	0	0	19
Hour Total	0	31	4	0	6	0	0	15	1	0	0	0	0	57
2:00 AM	0	9	5	0	1	0	0	8	0	0	0	0	0	23
2:15 AM	0	13	2	1	5	0	0	7	1	0	0	0	0	29
2:30 AM	0	21	4	1	1	0	0	2	0	0	0	0	0	29
2:45 AM	0	16	4	1	0	0	0	4	0	0	0	0	0	25
Hour Total	0	59	15	3	7	0	0	21	1	0	0	0	0	106
3:00 AM	0	10	3	0	3	0	0	7	0	0	0	0	0	23
3:15 AM	0	11	1	0	1	1	0	6	1	0	0	0	0	21
3:30 AM	0	11	3	0	1	1	0	4	0	0	0	0	0	20
3:45 AM	0	16	1	0	4	0	0	10	0	0	0	0	0	31
Hour Total	0	48	8	0	9	2	0	27	1	0	0	0	0	95
4:00 AM	0	9	2	0	3	0	0	7	1	0	0	0	0	22
4:15 AM	0	21	6	0	5	1	0	11	0	0	0	0	0	44
4:30 AM	0	32	5	0	5	0	0	12	0	0	0	0	0	54
4:45 AM	0	33	11	0	1	0	0	4	1	0	3	0	0	53
Hour Total	0	95	24	0	14	1	0	34	2	0	3	0	0	173
5:00 AM	0	26	7	0	5	0	0	8	1	0	1	0	0	48
5:15 AM	1	34	12	0	9	0	0	13	0	0	2	0	0	71
5:30 AM	2	42	11	0	7	2	0	18	1	0	2	0	0	85
5:45 AM	0	50	9	0	12	2	0	17	2	0	6	0	0	98
Hour Total	3	152	39	0	33	4	0	56	4	0	11	0	0	302
6:00 AM	0	35	15	1	10	1	0	12	1	0	0	0	0	75
6:15 AM	0	46	20	1	14	1	0	13	5	0	2	0	0	102
6:30 AM	0	63	25	0	18	0	0	16	2	0	1	0	0	125
6:45 AM	0	53	11	0	7	2	0	13	0	0	0	0	0	86
Hour Total	0	197	71	2	49	4	0	54	8	0	3	0	0	388
7:00 AM	0	55	10	1	8	2	0	8	1	0	0	0	0	85
7:15 AM	0	44	18	3	9	1	0	9	2	0	1	0	0	87
7:30 AM	1	44	8	0	7	0	0	9	1	0	1	0	0	71
7:45 AM	0	61	16	0	8	1	0	12	2	0	2	0	0	102
Hour Total	1	204	52	4	32	4	0	38	6	0	4	0	0	345

8:00 AM	0	62	20	1	8	0	0	6	5	1	2	0	0	105
8:15 AM	0	35	18	0	7	0	0	16	2	0	2	0	0	80
8:30 AM	0	32	12	0	4	1	0	17	5	0	3	0	0	74
8:45 AM	1	22	8	0	1	2	0	12	2	0	1	0	0	49
Hour Total	1	151	58	1	20	3	0	51	14	1	8	0	0	308
9:00 AM	0	18	7	0	1	1	0	8	3	0	5	0	0	43
9:15 AM	1	20	6	0	13	0	0	17	6	0	6	0	0	69
9:30 AM	0	26	9	2	9	1	0	12	2	0	2	0	0	63
9:45 AM	1	29	10	0	5	1	0	8	0	0	3	0	0	57
Hour Total	2	93	32	2	28	3	0	45	11	0	16	0	0	232
10:00 AM	0	30	7	0	10	2	0	14	4	0	1	0	0	68
10:15 AM	0	23	8	2	7	0	0	13	2	0	4	0	0	59
10:30 AM	0	28	9	1	15	0	0	15	3	1	4	0	0	76
10:45 AM	0	18	9	2	5	1	0	13	3	0	1	0	0	52
Hour Total	0	99	33	5	37	3	0	55	12	1	10	0	0	255
11:00 AM	0	28	6	0	10	2	0	10	3	0	5	0	0	64
11:15 AM	0	14	7	0	9	1	0	17	5	0	6	0	0	59
11:30 AM	0	30	10	0	6	2	0	8	3	0	2	0	0	61
11:45 AM	0	23	13	0	4	1	0	8	0	0	2	0	0	51
Hour Total	0	95	36	0	29	6	0	43	11	0	15	0	0	235
12:00 PM	0	28	9	2	6	3	0	9	4	0	3	0	0	64
12:15 PM	0	17	7	4	8	1	0	10	6	0	6	0	0	59
12:30 PM	0	20	6	1	6	1	0	9	2	0	5	0	0	50
12:45 PM	0	26	10	3	7	0	0	14	2	0	1	0	0	63
Hour Total	0	91	32	10	27	5	0	42	14	0	15	0	0	236
1:00 PM	0	31	10	0	7	0	0	7	2	0	3	0	0	60
1:15 PM	0	35	13	2	8	1	0	11	6	0	5	0	0	81
1:30 PM	1	25	3	0	9	2	0	7	5	0	2	0	0	54
1:45 PM	0	21	13	1	11	1	0	11	3	0	1	0	0	62
Hour Total	1	112	39	3	35	4	0	36	16	0	11	0	0	257
2:00 PM	0	18	8	0	10	1	0	5	3	0	3	0	0	48
2:15 PM	0	24	11	3	6	2	0	8	3	0	2	1	0	60
2:30 PM	1	30	10	2	6	0	0	7	7	0	1	0	0	64
2:45 PM	0	42	22	2	7	1	0	5	6	0	0	0	0	85
Hour Total	1	114	51	7	29	4	0	25	19	0	6	1	0	257
3:00 PM	0	28	12	0	8	1	0	7	3	0	0	0	0	59
3:15 PM	0	24	10	0	5	1	0	9	1	0	1	0	0	51
3:30 PM	0	29	12	1	7	1	0	0	3	0	0	0	0	53
3:45 PM	0	29	8	2	6	1	0	6	4	0	0	0	0	56
Hour Total	0	110	42	3	26	4	0	22	11	0	1	0	0	219

4:00 PM	0	34	12	4	9	0	0	10	1	0	1	0	0	71
4:15 PM	0	48	19	0	7	0	0	9	2	0	0	0	0	85
4:30 PM	0	37	16	2	10	3	0	7	2	0	0	0	0	77
4:45 PM	0	30	16	0	6	0	0	6	2	0	0	0	0	60
Hour Total	0	149	63	6	32	3	0	32	7	0	1	0	0	293
5:00 PM	0	21	8	0	7	0	0	3	2	0	1	0	0	42
5:15 PM	0	31	4	1	1	0	0	4	1	0	0	0	0	42
5:30 PM	0	22	4	0	7	1	0	4	0	0	0	0	0	38
5:45 PM	0	14	11	1	1	0	0	8	2	0	0	0	0	37
Hour Total	0	88	27	2	16	1	0	19	5	0	1	0	0	159
6:00 PM	0	10	2	0	1	0	0	10	3	0	0	0	0	26
6:15 PM	1	21	7	0	10	0	0	4	1	0	0	0	0	44
6:30 PM	0	12	10	0	3	2	0	3	2	0	0	0	0	32
6:45 PM	0	10	3	0	3	0	0	4	0	0	0	0	0	20
Hour Total	1	53	22	0	17	2	0	21	6	0	0	0	0	122
7:00 PM	0	12	3	0	0	0	0	3	1	0	0	0	0	19
7:15 PM	0	16	5	0	0	0	0	4	2	0	0	0	0	27
7:30 PM	0	12	2	0	1	1	0	2	1	0	0	0	0	19
7:45 PM	0	12	4	1	1	0	0	3	0	0	0	0	0	21
Hour Total	0	52	14	1	2	1	0	12	4	0	0	0	0	86
8:00 PM	0	12	3	0	1	0	0	5	0	0	0	0	0	21
8:15 PM	0	13	5	0	2	0	0	7	1	0	0	0	0	28
8:30 PM	0	17	5	2	0	1	0	7	0	0	0	0	0	32
8:45 PM	0	16	1	0	5	0	0	2	1	0	0	0	0	25
Hour Total	0	58	14	2	8	1	0	21	2	0	0	0	0	106
9:00 PM	1	18	6	1	0	0	0	3	0	0	0	0	0	29
9:15 PM	2	13	5	0	2	0	0	4	1	0	0	0	0	27
9:30 PM	0	16	4	0	1	0	0	7	0	0	0	0	0	28
9:45 PM	0	9	1	0	0	1	0	5	0	0	0	0	0	16
Hour Total	3	56	16	1	3	1	0	19	1	0	0	0	0	100
10:00 PM	0	10	4	0	2	0	0	8	1	0	0	0	0	25
10:15 PM	0	7	6	0	1	0	0	0	0	0	0	0	0	14
10:30 PM	0	4	1	0	0	0	0	5	0	0	0	0	0	10
10:45 PM	0	2	4	0	0	0	0	10	0	0	0	0	0	16
Hour Total	0	23	15	0	3	0	0	23	1	0	0	0	0	65
11:00 PM	0	5	1	0	2	0	0	6	1	0	0	0	0	15
11:15 PM	0	4	2	0	0	0	0	6	0	0	0	0	0	12
11:30 PM	0	4	2	0	0	0	0	8	1	0	0	0	0	15
11:45 PM	0	3	5	0	0	0	0	2	1	0	1	0	0	12
Hour Total	0	16	10	0	2	0	0	22	3	0	1	0	0	54
Totals	13	2158	726	52	467	56	0	748	162	2	106	1	0	4491
Percent	0.3%	48.1%	16.2%	1.2%	10.4%	1.2%	0.0%	16.7%	3.6%	0.0%	2.4%	0.0%	0.0%	

Class Report - Prepared by: NDS/ATD

South of I-205/Mountain House Parkway interchange and ramps

Tracy

Project #:11-7199-001s Date: 5/5/2011 THURSDAY

North Bound, South Bound

Begin Time	Bikes	Cars & Tlrs	2 Axle Long	Buses	2 Axle 6 Tire	3 Axle Single	4 Axle Single	<5 Axle Double	5 Axle Double	>5 Axle Double	<6 Axle Multi	6 Axle Multi	>6 Axle Multi	Total
12:00 AM	0	23	3	0	3	1	0	10	0	0	0	0	0	40
12:15 AM	0	11	6	0	2	0	0	5	2	0	0	0	0	26
12:30 AM	0	11	4	0	2	0	0	10	0	0	0	0	0	27
12:45 AM	0	11	4	0	1	0	0	8	0	0	0	0	0	24
Hour Total	0	56	17	0	8	1	0	33	2	0	0	0	0	117
1:00 AM	0	17	1	0	3	0	0	5	2	0	0	0	0	28
1:15 AM	0	18	2	0	1	0	0	6	0	0	0	0	0	27
1:30 AM	0	17	4	0	7	0	0	6	0	0	0	0	0	34
1:45 AM	0	20	4	0	1	0	0	9	1	0	0	0	0	35
Hour Total	0	72	11	0	12	0	0	26	3	0	0	0	0	124
2:00 AM	1	15	6	0	5	0	0	10	0	0	0	0	0	37
2:15 AM	0	14	3	1	5	0	0	9	2	0	0	0	0	34
2:30 AM	1	31	7	1	1	0	0	11	1	0	0	0	0	53
2:45 AM	0	26	6	1	0	0	0	8	0	0	0	0	0	41
Hour Total	2	86	22	3	11	0	0	38	3	0	0	0	0	165
3:00 AM	0	16	4	0	5	0	0	16	0	0	0	0	0	41
3:15 AM	0	19	2	0	2	1	0	12	1	0	0	0	0	37
3:30 AM	0	36	6	0	3	1	0	12	0	0	0	0	0	58
3:45 AM	0	20	1	0	5	0	0	12	2	0	0	0	0	40
Hour Total	0	91	13	0	15	2	0	52	3	0	0	0	0	176
4:00 AM	0	16	3	0	5	0	0	9	1	0	0	0	0	34
4:15 AM	0	23	8	0	7	1	0	19	1	0	0	0	0	59
4:30 AM	0	39	6	0	5	0	0	20	0	0	0	0	0	70
4:45 AM	0	37	15	1	1	1	0	6	2	0	3	0	0	66
Hour Total	0	115	32	1	18	2	0	54	4	0	3	0	0	229
5:00 AM	0	32	8	0	6	1	0	12	2	0	1	0	0	62
5:15 AM	1	40	13	0	10	1	0	15	1	0	2	0	0	83
5:30 AM	2	50	12	0	8	2	0	21	8	0	3	0	0	106
5:45 AM	0	62	11	0	14	2	0	23	5	0	10	0	0	127
Hour Total	3	184	44	0	38	6	0	71	16	0	16	0	0	378
6:00 AM	0	43	18	2	14	1	0	24	2	0	0	0	0	104
6:15 AM	0	72	24	1	16	2	0	22	9	0	7	0	0	153
6:30 AM	0	78	27	0	23	2	0	26	5	0	5	0	0	166
6:45 AM	0	64	14	0	9	2	0	29	4	0	1	0	0	123
Hour Total	0	257	83	3	62	7	0	101	20	0	13	0	0	546
7:00 AM	0	67	13	2	13	3	0	33	3	0	0	0	0	134
7:15 AM	0	54	22	4	17	1	0	19	9	0	1	1	0	128
7:30 AM	1	58	11	1	10	0	0	23	2	0	2	0	0	108
7:45 AM	0	74	22	0	12	1	0	26	5	0	3	0	0	143
Hour Total	1	253	68	7	52	5	0	101	19	0	6	1	0	513

8:00 AM	0	68	26	1	13	0	0	23	8	1	3	0	0	143
8:15 AM	0	48	24	1	8	0	0	29	11	0	2	0	0	123
8:30 AM	2	43	15	1	8	1	0	36	10	0	4	0	0	120
8:45 AM	2	37	11	0	8	4	0	27	5	0	5	0	0	99
Hour Total	4	196	76	3	37	5	0	115	34	1	14	0	0	485
9:00 AM	0	23	13	1	6	5	0	32	7	1	12	0	0	100
9:15 AM	1	24	8	1	20	1	0	27	10	0	11	0	0	103
9:30 AM	0	40	14	2	11	2	0	27	8	0	2	0	0	106
9:45 AM	1	38	14	0	9	1	0	13	7	0	5	0	0	88
Hour Total	2	125	49	4	46	9	0	99	32	1	30	0	0	397
10:00 AM	1	43	13	0	16	4	0	27	11	0	5	0	0	120
10:15 AM	1	41	13	2	13	1	0	31	7	0	6	0	0	115
10:30 AM	0	43	19	1	24	1	0	29	9	1	9	0	0	136
10:45 AM	1	37	15	5	10	1	0	30	8	0	5	0	0	112
Hour Total	3	164	60	8	63	7	0	117	35	1	25	0	0	483
11:00 AM	0	44	14	0	17	2	0	25	12	0	10	0	0	124
11:15 AM	0	30	11	2	12	2	0	32	13	0	9	0	0	111
11:30 AM	0	51	19	0	13	3	0	19	8	0	5	0	0	118
11:45 AM	0	48	22	0	7	2	0	16	5	0	7	0	0	107
Hour Total	0	173	66	2	49	9	0	92	38	0	31	0	0	460
12:00 PM	1	60	22	2	18	5	0	28	7	0	9	0	0	152
12:15 PM	0	45	20	4	13	3	0	29	9	0	8	0	0	131
12:30 PM	0	43	15	3	14	1	0	21	10	0	8	0	0	115
12:45 PM	0	48	16	3	12	1	0	25	8	0	3	0	0	116
Hour Total	1	196	73	12	57	10	0	103	34	0	28	0	0	514
1:00 PM	1	43	12	1	19	0	0	16	7	0	6	0	0	105
1:15 PM	0	61	23	3	15	2	0	21	6	0	8	0	0	139
1:30 PM	1	82	17	0	22	3	0	17	9	0	3	0	0	154
1:45 PM	0	55	21	1	16	2	0	18	9	0	4	0	0	126
Hour Total	2	241	73	5	72	7	0	72	31	0	21	0	0	524
2:00 PM	0	53	21	3	18	1	0	16	9	0	6	1	0	128
2:15 PM	0	57	24	3	17	3	0	11	8	0	7	1	0	131
2:30 PM	1	133	36	4	14	2	0	16	7	0	4	0	0	217
2:45 PM	0	79	31	2	11	3	0	10	9	0	3	0	0	148
Hour Total	1	322	112	12	60	9	0	53	33	0	20	2	0	624
3:00 PM	0	71	24	1	20	3	0	19	6	0	4	1	0	149
3:15 PM	0	52	13	1	13	2	0	13	6	0	5	0	0	105
3:30 PM	0	86	27	4	15	2	0	9	9	0	0	0	0	152
3:45 PM	0	65	12	3	13	6	0	12	6	0	0	1	0	118
Hour Total	0	274	76	9	61	13	0	53	27	0	9	2	0	524

4:00 PM	0	70	25	4	16	1	0	15	2	0	2	0	0	135
4:15 PM	0	80	31	2	17	1	0	13	3	0	0	0	0	147
4:30 PM	0	110	36	2	24	4	0	14	6	0	0	0	0	196
4:45 PM	1	92	33	1	16	3	0	9	5	0	0	0	0	160
Hour Total	1	352	125	9	73	9	0	51	16	0	2	0	0	638
5:00 PM	0	107	17	1	15	1	0	10	4	0	1	0	0	156
5:15 PM	0	81	27	1	9	0	0	10	5	0	0	0	0	133
5:30 PM	0	68	18	1	17	1	0	8	4	0	0	1	0	118
5:45 PM	0	72	16	1	7	0	0	14	5	0	1	0	0	116
Hour Total	0	328	78	4	48	2	0	42	18	0	2	1	0	523
6:00 PM	0	50	15	0	9	2	0	15	4	0	0	0	0	95
6:15 PM	1	64	11	0	18	0	0	8	3	0	0	0	0	105
6:30 PM	0	48	13	0	6	2	0	10	5	0	0	0	0	84
6:45 PM	0	36	11	0	5	0	0	9	4	0	0	0	0	65
Hour Total	1	198	50	0	38	4	0	42	16	0	0	0	0	349
7:00 PM	0	33	16	0	2	0	0	8	3	0	0	0	0	62
7:15 PM	0	49	12	0	7	0	0	10	4	0	0	0	0	82
7:30 PM	0	39	7	0	4	1	0	3	3	0	0	0	0	57
7:45 PM	0	26	9	1	2	0	0	6	1	0	0	0	0	45
Hour Total	0	147	44	1	15	1	0	27	11	0	0	0	0	246
8:00 PM	0	29	7	0	3	0	0	9	0	0	0	0	0	48
8:15 PM	0	26	9	0	4	0	0	7	3	0	0	0	0	49
8:30 PM	1	33	7	3	3	2	0	10	1	0	0	0	0	60
8:45 PM	0	21	5	0	7	1	0	5	2	0	0	0	0	41
Hour Total	1	109	28	3	17	3	0	31	6	0	0	0	0	198
9:00 PM	1	26	11	3	3	0	0	6	0	0	0	0	0	50
9:15 PM	2	29	10	0	4	0	0	9	1	0	0	0	0	55
9:30 PM	1	24	4	0	2	0	0	8	1	0	0	0	0	40
9:45 PM	0	20	4	0	1	1	0	10	1	0	0	0	0	37
Hour Total	4	99	29	3	10	1	0	33	3	0	0	0	0	182
10:00 PM	0	21	8	0	3	0	0	9	2	0	0	0	0	43
10:15 PM	0	37	13	0	1	0	0	2	0	0	0	0	0	53
10:30 PM	0	21	3	0	1	0	0	11	0	0	0	0	0	36
10:45 PM	0	10	7	0	2	0	0	14	0	0	0	0	0	33
Hour Total	0	89	31	0	7	0	0	36	2	0	0	0	0	165
11:00 PM	0	33	9	0	6	0	0	9	1	0	0	0	0	58
11:15 PM	0	24	7	0	0	0	0	15	0	0	0	0	0	46
11:30 PM	0	15	5	0	2	0	0	11	2	0	0	0	0	35
11:45 PM	0	21	12	0	2	0	0	5	1	0	1	0	0	42
Hour Total	0	93	33	0	10	0	0	40	4	0	1	0	0	181
Totals	26	4220	1293	89	879	112	0	1482	410	3	221	6	0	8741
Percent	0.3%	48.3%	14.8%	1.0%	10.1%	1.3%	0.0%	17.0%	4.7%	0.0%	2.5%	0.1%	0.0%	

5/5/2011 City: Tracy Project #: 11-7199-001s

Location: South of I-205/Mountain House Parkway interchange and ramps

Start	Southbound		Hour Totals		Northbound		Hour Totals		Combined Totals	
Time	Morning	Afternoon	Morning	Afternoon	Morning	Afternoon	Morning	Afternoon	Morning	Afternoon
12:00	9	64			31	88				
12:15	15	59			11	72				
12:30	11	50			16	65				
12:45	6	63	41	236	18	53	76	278	117	514
1:00	9	60			19	45				
1:15	17	81			10	58				
1:30	12	54			22	100				
1:45	19	62	57	257	16	64	67	267	124	524
2:00	23	48			14	80				
2:15	29	60			5	71				
2:30	29	64			24	153				
2:45	25	85	106	257	16	63	59	367	165	624
3:00	23	59			18	90				
3:15	21	51			16	54				
3:30	20	53			38	99				
3:45	31	56	95	219	9	62	81	305	176	524
4:00	22	71			12	64				
4:15	44	85			15	62				
4:30	54	77			16	119				
4:45	53	60	173	293	13	100	56	345	229	638
5:00	48	42			14	114				
5:15	71	42			12	91				
5:30	85	38			21	80				
5:45	98	37	302	159	29	79	76	364	378	523
6:00	75	26			29	69				
6:15	102	44			51	61				
6:30	125	32			41	52				
6:45	86	20	388	122	37	45	158	227	546	349
7:00	85	19			49	43				
7:15	87	27			41	55				
7:30	71	19			37	38				
7:45	102	21	345	86	41	24	168	160	513	246
8:00	105	21			38	27				
8:15	80	28			43	21				
8:30	74	32			46	28				
8:45	49	25	308	106	50	16	177	92	485	198
9:00	43	29			57	21				
9:15	69	27			34	28				
9:30	63	28			43	12				
9:45	57	16	232	100	31	21	165	82	397	182
10:00	68	25			52	18				
10:15	59	14			56	39				
10:30	76	10			60	26				
10:45	52	16	255	65	60	17	228	100	483	165
11:00	64	15			60	43				
11:15	59	12			52	34				
11:30	61	15			57	20				
11:45	51	12	235	54	56	30	225	127	460	181
Total	2537	1954	2537	1954	1536	2714	1536	2714	4073	4668
Combined Total	4491		4491		4250		4250		8741	
AM Peak	5:45 AM				11:45 AM					
Vol.	400				281					
P.H.F.	0.800				0.798					
PM Peak		4:00 PM				4:30 PM				
Vol.		293				424				
P.H.F.		0.862				0.891				
Percentage	56.5%	43.5%			36.1%	63.9%				

Class Report - Prepared by: NDS/ATD

South of I-205/Mountain House Parkway interchange and ramps

Tracy

Project #:11-7199-001n Date: 5/4/2011 WEDNESDAY

North Bound

Begin Time	Bikes	Cars & Tlrs	2 Axle Long	Buses	2 Axle 6 Tire	3 Axle Single	4 Axle Single	<5 Axle Double	5 Axle Double	>5 Axle Double	<6 Axle Multi	6 Axle Multi	>6 Axle Multi	Total
12:00 AM	0	19	7	0	2	0	0	6	2	0	0	0	0	36
12:15 AM	0	13	2	0	2	0	0	2	0	0	0	0	0	19
12:30 AM	0	8	2	0	1	0	0	1	0	0	0	0	0	12
12:45 AM	0	11	1	0	1	0	0	8	0	0	0	0	0	21
Hour Total	0	51	12	0	6	0	0	17	2	0	0	0	0	88
1:00 AM	0	11	4	0	1	0	0	5	0	0	0	0	0	21
1:15 AM	0	3	0	0	0	0	0	1	0	0	0	0	0	4
1:30 AM	0	7	1	1	0	0	0	1	2	0	0	0	0	12
1:45 AM	0	4	0	2	0	0	0	3	1	0	0	0	0	10
Hour Total	0	25	5	3	1	0	0	10	3	0	0	0	0	47
2:00 AM	0	7	2	0	1	1	0	2	0	0	0	0	0	13
2:15 AM	0	3	0	0	0	0	0	4	1	0	0	0	0	8
2:30 AM	0	13	3	0	2	0	0	2	0	0	0	0	0	20
2:45 AM	0	5	3	0	1	0	0	1	0	0	0	0	0	10
Hour Total	0	28	8	0	4	1	0	9	1	0	0	0	0	51
3:00 AM	0	3	3	0	1	0	0	3	0	0	0	0	0	10
3:15 AM	0	10	2	0	0	0	0	5	2	0	0	0	0	19
3:30 AM	0	26	3	0	3	0	0	2	0	0	0	0	0	34
3:45 AM	0	6	2	0	2	0	0	6	0	0	0	0	0	16
Hour Total	0	45	10	0	6	0	0	16	2	0	0	0	0	79
4:00 AM	0	7	1	0	0	0	0	2	1	0	1	0	0	12
4:15 AM	0	6	1	0	1	0	0	6	2	0	0	0	0	16
4:30 AM	0	7	2	0	1	0	0	4	0	0	0	0	0	14
4:45 AM	0	4	2	0	1	0	0	5	2	0	0	0	0	14
Hour Total	0	24	6	0	3	0	0	17	5	0	1	0	0	56
5:00 AM	0	6	1	0	0	1	0	4	1	0	0	0	0	13
5:15 AM	0	7	0	0	2	0	0	3	1	0	0	0	0	13
5:30 AM	0	12	2	0	1	0	0	1	0	0	2	0	0	18
5:45 AM	0	9	5	0	0	0	0	4	0	0	6	0	0	24
Hour Total	0	34	8	0	3	1	0	12	2	0	8	0	0	68
6:00 AM	0	9	5	0	3	0	0	6	2	0	2	0	0	27
6:15 AM	0	26	1	1	1	0	0	6	5	0	1	0	0	41
6:30 AM	0	13	7	0	3	0	0	12	4	0	1	0	0	40
6:45 AM	0	10	2	1	1	0	0	6	5	0	3	0	0	28
Hour Total	0	58	15	2	8	0	0	30	16	0	7	0	0	136
7:00 AM	0	12	4	1	1	0	0	20	0	0	0	1	0	39
7:15 AM	1	9	3	2	1	3	0	14	3	0	1	1	0	38
7:30 AM	0	10	5	0	2	1	0	17	5	0	4	0	0	44
7:45 AM	0	16	3	0	4	0	0	12	4	0	0	0	0	39
Hour Total	1	47	15	3	8	4	0	63	12	0	5	2	0	160

8:00 AM	0	13	2	0	4	0	0	16	5	0	3	0	0	43
8:15 AM	0	9	4	0	3	0	0	11	1	1	1	0	0	30
8:30 AM	0	8	4	0	3	1	0	15	7	2	2	0	0	42
8:45 AM	0	8	3	0	5	0	0	14	6	0	0	0	0	36
Hour Total	0	38	13	0	15	1	0	56	19	3	6	0	0	151
9:00 AM	0	17	2	1	3	0	0	15	6	0	0	0	0	44
9:15 AM	0	8	6	1	3	2	0	18	2	0	2	0	0	42
9:30 AM	0	11	4	1	3	1	0	18	5	0	3	0	0	46
9:45 AM	0	16	6	2	7	0	0	14	5	0	1	0	0	51
Hour Total	0	52	18	5	16	3	0	65	18	0	6	0	0	183
10:00 AM	0	18	9	2	3	2	0	18	3	0	5	0	0	60
10:15 AM	0	10	7	0	3	2	0	24	5	0	4	0	0	55
10:30 AM	0	8	6	0	4	1	0	13	3	0	0	0	0	35
10:45 AM	0	13	8	0	3	0	0	16	7	0	2	0	0	49
Hour Total	0	49	30	2	13	5	0	71	18	0	11	0	0	199
11:00 AM	0	20	9	1	6	2	0	16	6	0	4	0	0	64
11:15 AM	0	25	8	0	6	4	0	10	6	0	4	0	0	63
11:30 AM	0	19	7	2	4	2	0	10	6	0	0	0	0	50
11:45 AM	0	20	9	1	4	1	0	12	9	0	4	1	0	61
Hour Total	0	84	33	4	20	9	0	48	27	0	12	1	0	238
12:00 PM	0	33	6	1	12	2	0	12	6	0	3	0	0	75
12:15 PM	1	17	4	0	6	1	0	9	6	0	4	0	0	48
12:30 PM	0	14	12	1	7	3	0	8	2	0	2	0	0	49
12:45 PM	0	26	12	0	5	0	0	4	5	0	2	0	0	54
Hour Total	1	90	34	2	30	6	0	33	19	0	11	0	0	226
1:00 PM	0	27	15	0	9	3	0	11	5	0	5	0	0	75
1:15 PM	0	38	22	0	4	0	0	7	6	0	2	0	0	79
1:30 PM	0	67	16	0	6	1	0	12	8	0	3	0	0	113
1:45 PM	0	28	12	0	2	0	0	8	2	0	0	0	0	52
Hour Total	0	160	65	0	21	4	0	38	21	0	10	0	0	319
2:00 PM	0	34	7	1	9	0	0	8	1	0	3	0	0	63
2:15 PM	0	29	6	3	10	1	0	6	6	0	4	0	0	65
2:30 PM	0	94	32	1	12	2	0	9	4	0	2	1	0	157
2:45 PM	0	45	10	0	7	0	0	9	3	0	0	0	0	74
Hour Total	0	202	55	5	38	3	0	32	14	0	9	1	0	359
3:00 PM	0	31	10	1	8	0	0	5	4	0	3	0	0	62
3:15 PM	2	31	10	3	5	1	0	10	5	0	2	0	0	69
3:30 PM	0	24	6	1	4	0	0	2	4	0	1	0	0	42
3:45 PM	1	31	16	3	10	2	0	3	7	0	1	0	0	74
Hour Total	3	117	42	8	27	3	0	20	20	0	7	0	0	247

4:00 PM	0	38	16	1	7	2	0	3	6	0	3	0	0	76
4:15 PM	0	45	9	0	7	0	0	5	1	0	2	0	0	69
4:30 PM	0	76	23	0	12	0	0	10	2	0	0	0	0	123
4:45 PM	0	63	14	0	11	0	0	5	4	0	0	0	0	97
Hour Total	0	222	62	1	37	2	0	23	13	0	5	0	0	365
5:00 PM	0	107	16	0	12	2	0	11	5	0	1	0	0	154
5:15 PM	0	56	17	1	11	1	0	5	7	0	2	0	0	100
5:30 PM	0	43	9	0	5	0	0	7	2	0	0	0	0	66
5:45 PM	1	35	4	0	7	1	0	3	2	1	0	0	0	54
Hour Total	1	241	46	1	35	4	0	26	16	1	3	0	0	374
6:00 PM	0	31	3	1	5	1	0	6	3	1	1	0	0	52
6:15 PM	0	27	6	0	2	0	0	6	1	0	0	0	0	42
6:30 PM	0	19	4	0	5	2	0	5	1	0	0	0	0	36
6:45 PM	1	17	9	0	2	1	0	3	1	0	0	0	0	34
Hour Total	1	94	22	1	14	4	0	20	6	1	1	0	0	164
7:00 PM	0	18	4	1	0	0	0	3	1	0	0	0	0	27
7:15 PM	0	13	9	0	3	0	0	3	2	0	1	0	0	31
7:30 PM	0	8	4	0	2	1	0	2	1	0	0	0	0	18
7:45 PM	0	11	3	0	2	1	0	3	2	0	0	0	0	22
Hour Total	0	50	20	1	7	2	0	11	6	0	1	0	0	98
8:00 PM	0	12	4	0	1	0	0	4	1	0	1	0	0	23
8:15 PM	0	8	2	0	1	0	0	5	0	0	0	0	0	16
8:30 PM	0	8	2	0	4	0	0	3	1	0	0	0	0	18
8:45 PM	0	7	1	0	0	0	0	2	0	0	0	0	0	10
Hour Total	0	35	9	0	6	0	0	14	2	0	1	0	0	67
9:00 PM	0	7	5	0	7	0	0	6	1	0	0	0	0	26
9:15 PM	0	7	2	0	2	1	0	7	1	0	0	0	0	20
9:30 PM	0	14	0	0	1	1	0	4	0	0	0	0	0	20
9:45 PM	0	10	1	0	1	0	0	1	1	0	0	0	0	14
Hour Total	0	38	8	0	11	2	0	18	3	0	0	0	0	80
10:00 PM	0	15	7	0	3	0	0	5	1	0	0	0	0	31
10:15 PM	0	42	9	0	1	0	0	2	0	0	0	0	0	54
10:30 PM	0	31	7	0	3	0	0	4	0	0	0	0	0	45
10:45 PM	0	16	0	0	2	0	0	4	1	0	0	0	0	23
Hour Total	0	104	23	0	9	0	0	15	2	0	0	0	0	153
11:00 PM	0	10	5	0	1	0	0	0	0	0	0	0	0	16
11:15 PM	0	13	2	0	3	0	0	1	1	0	0	0	0	20
11:30 PM	0	13	2	0	1	0	0	4	0	0	0	0	0	20
11:45 PM	0	8	5	0	6	0	0	3	0	0	0	0	0	22
Hour Total	0	44	14	0	11	0	0	8	1	0	0	0	0	78
Totals	7	1932	573	38	349	54	0	672	248	5	104	4	0	3986
Percent	0.2%	48.5%	14.4%	1.0%	8.8%	1.4%	0.0%	16.9%	6.2%	0.1%	2.6%	0.1%	0.0%	

Class Report - Prepared by: NDS/ATD

South of I-205/Mountain House Parkway interchange and ramps

Tracy

Project #:11-7199-001s Date: 5/4/2011 WEDNESDAY

South Bound

Begin Time	Bikes	Cars & Tlrs	2 Axle Long	Buses	2 Axle 6 Tire	3 Axle Single	4 Axle Single	<5 Axle Double	5 Axle Double	>5 Axle Double	<6 Axle Multi	6 Axle Multi	>6 Axle Multi	Total
12:00 AM	0	3	2	0	0	0	0	3	0	0	0	0	0	8
12:15 AM	0	4	1	0	0	0	0	3	1	0	0	0	0	9
12:30 AM	0	5	0	0	1	0	0	5	0	0	0	0	0	11
12:45 AM	0	1	2	0	0	0	0	2	0	0	0	0	0	5
Hour Total	0	13	5	0	1	0	0	13	1	0	0	0	0	33
1:00 AM	0	3	0	0	4	0	0	0	0	0	0	0	0	7
1:15 AM	0	8	1	0	0	0	0	4	0	0	0	0	0	13
1:30 AM	0	10	3	0	2	1	0	1	0	0	0	0	0	17
1:45 AM	0	11	3	0	1	0	0	5	0	0	0	0	0	20
Hour Total	0	32	7	0	7	1	0	10	0	0	0	0	0	57
2:00 AM	0	5	3	2	2	0	0	8	0	0	0	0	0	20
2:15 AM	0	14	2	0	5	0	0	5	0	0	0	0	0	26
2:30 AM	0	15	4	0	2	0	0	4	0	0	0	0	0	25
2:45 AM	0	20	3	0	2	0	0	5	1	0	0	0	0	31
Hour Total	0	54	12	2	11	0	0	22	1	0	0	0	0	102
3:00 AM	0	7	5	0	2	0	0	11	0	0	0	0	0	25
3:15 AM	0	14	0	0	4	0	0	2	0	0	0	0	0	20
3:30 AM	0	12	5	2	3	0	0	5	0	0	0	0	0	27
3:45 AM	0	17	2	0	4	0	0	8	1	0	0	0	0	32
Hour Total	0	50	12	2	13	0	0	26	1	0	0	0	0	104
4:00 AM	0	11	1	0	1	1	0	10	0	0	0	0	0	24
4:15 AM	0	16	2	0	1	1	0	8	0	0	0	0	0	28
4:30 AM	0	34	12	0	7	1	0	7	1	0	0	0	0	62
4:45 AM	0	37	13	0	5	0	0	11	0	0	1	0	0	67
Hour Total	0	98	28	0	14	3	0	36	1	0	1	0	0	181
5:00 AM	0	26	9	0	8	2	0	12	1	0	3	0	0	61
5:15 AM	0	23	12	1	6	0	0	11	2	0	3	0	0	58
5:30 AM	0	46	16	0	5	1	0	18	1	0	1	0	0	88
5:45 AM	0	44	13	0	18	0	0	17	1	0	8	0	0	101
Hour Total	0	139	50	1	37	3	0	58	5	0	15	0	0	308
6:00 AM	0	34	9	0	10	0	0	8	2	0	1	0	0	64
6:15 AM	0	36	16	1	17	0	0	22	1	0	1	0	0	94
6:30 AM	0	75	28	0	18	0	0	12	4	0	0	0	0	137
6:45 AM	1	90	22	1	13	0	0	17	2	0	2	0	0	148
Hour Total	1	235	75	2	58	0	0	59	9	0	4	0	0	443
7:00 AM	1	50	18	1	8	0	0	12	2	0	2	0	0	94
7:15 AM	0	41	11	0	5	0	0	6	0	0	3	0	0	66
7:30 AM	1	60	8	0	6	0	0	11	2	0	2	0	0	90
7:45 AM	0	65	21	2	14	0	0	9	3	0	1	0	0	115
Hour Total	2	216	58	3	33	0	0	38	7	0	8	0	0	365

8:00 AM	0	76	15	0	12	1	0	13	3	0	2	0	0	122
8:15 AM	0	40	16	0	11	0	0	19	3	1	0	0	0	90
8:30 AM	0	28	7	1	11	0	0	14	3	0	1	0	0	65
8:45 AM	0	28	10	2	7	2	0	12	4	0	4	0	0	69
Hour Total	0	172	48	3	41	3	0	58	13	1	7	0	0	346
9:00 AM	0	26	5	0	5	1	0	15	3	0	3	0	0	58
9:15 AM	0	18	4	1	7	0	0	10	2	0	2	0	0	44
9:30 AM	0	21	9	1	6	0	0	12	3	0	0	0	0	52
9:45 AM	0	21	7	3	9	1	0	17	2	0	3	1	0	64
Hour Total	0	86	25	5	27	2	0	54	10	0	8	1	0	218
10:00 AM	1	13	4	1	9	2	0	13	3	1	1	0	0	48
10:15 AM	0	13	9	1	19	3	0	15	6	1	5	1	0	73
10:30 AM	0	14	5	2	6	1	0	11	5	0	2	0	0	46
10:45 AM	0	10	5	0	2	1	0	14	3	0	6	0	0	41
Hour Total	1	50	23	4	36	7	0	53	17	2	14	1	0	208
11:00 AM	0	18	12	1	9	2	0	11	3	0	2	0	0	58
11:15 AM	0	16	10	1	6	1	0	13	3	0	2	0	0	52
11:30 AM	0	22	4	1	9	0	0	7	2	0	5	0	0	50
11:45 AM	1	16	5	1	10	0	0	9	3	0	1	0	0	46
Hour Total	1	72	31	4	34	3	0	40	11	0	10	0	0	206
12:00 PM	0	24	9	2	9	0	0	11	0	0	3	0	0	58
12:15 PM	0	24	7	1	7	0	0	12	4	0	3	0	0	58
12:30 PM	0	24	15	0	11	0	0	9	4	1	3	0	0	67
12:45 PM	0	28	11	0	4	0	0	8	2	0	1	1	0	55
Hour Total	0	100	42	3	31	0	0	40	10	1	10	1	0	238
1:00 PM	0	21	8	1	4	1	0	10	2	0	3	0	0	50
1:15 PM	0	31	21	1	5	0	0	10	1	0	2	0	0	71
1:30 PM	1	43	15	0	9	1	0	4	7	0	2	0	0	82
1:45 PM	0	26	11	0	7	1	0	5	9	0	2	0	0	61
Hour Total	1	121	55	2	25	3	0	29	19	0	9	0	0	264
2:00 PM	1	23	10	2	7	0	0	11	2	0	1	0	0	57
2:15 PM	0	20	4	0	5	0	0	6	4	0	3	0	0	42
2:30 PM	0	25	6	4	7	2	0	9	7	1	3	0	0	64
2:45 PM	0	25	10	0	5	0	0	12	1	0	2	0	0	55
Hour Total	1	93	30	6	24	2	0	38	14	1	9	0	0	218
3:00 PM	0	20	14	3	5	0	0	9	5	0	2	0	0	58
3:15 PM	0	25	3	0	6	1	0	5	3	0	4	0	0	47
3:30 PM	0	21	14	1	10	2	0	9	6	0	1	0	0	64
3:45 PM	0	17	10	0	4	1	0	9	3	0	0	0	0	44
Hour Total	0	83	41	4	25	4	0	32	17	0	7	0	0	213

4:00 PM	0	27	6	0	3	2	0	8	2	0	0	0	0	48
4:15 PM	0	40	11	2	9	1	0	15	3	0	1	0	0	82
4:30 PM	0	18	9	2	5	1	0	13	3	0	0	0	0	51
4:45 PM	0	22	12	0	3	0	0	7	2	0	2	0	0	48
Hour Total	0	107	38	4	20	4	0	43	10	0	3	0	0	229
5:00 PM	0	17	11	0	4	1	0	9	4	0	1	0	0	47
5:15 PM	0	24	8	0	4	0	0	9	1	1	0	0	0	47
5:30 PM	0	13	4	1	5	0	0	9	1	0	0	0	0	33
5:45 PM	0	15	1	1	6	0	0	8	1	0	0	0	0	32
Hour Total	0	69	24	2	19	1	0	35	7	1	1	0	0	159
6:00 PM	0	17	5	0	4	1	0	4	1	0	0	0	0	32
6:15 PM	0	16	8	0	2	0	0	9	3	0	0	0	0	38
6:30 PM	0	14	8	2	3	0	0	3	0	0	0	0	0	30
6:45 PM	0	11	6	0	3	0	0	7	1	0	0	0	0	28
Hour Total	0	58	27	2	12	1	0	23	5	0	0	0	0	128
7:00 PM	0	8	4	0	3	0	0	3	3	0	0	0	0	21
7:15 PM	0	12	5	0	0	0	0	2	1	0	0	0	0	20
7:30 PM	0	7	2	0	1	1	0	2	0	0	0	0	0	13
7:45 PM	0	12	2	0	2	0	0	7	0	0	0	0	0	23
Hour Total	0	39	13	0	6	1	0	14	4	0	0	0	0	77
8:00 PM	0	14	3	0	1	1	0	0	0	0	0	0	0	19
8:15 PM	0	12	7	0	0	0	0	8	0	0	0	0	0	27
8:30 PM	0	10	2	1	0	0	0	4	1	0	0	0	0	18
8:45 PM	0	16	1	0	3	0	0	8	2	0	0	0	0	30
Hour Total	0	52	13	1	4	1	0	20	3	0	0	0	0	94
9:00 PM	0	17	3	0	3	0	0	3	1	0	0	0	0	27
9:15 PM	0	20	6	0	0	0	0	6	1	0	0	0	0	33
9:30 PM	0	8	3	0	2	0	0	1	0	0	0	0	0	14
9:45 PM	0	11	1	0	0	0	0	4	1	0	0	0	0	17
Hour Total	0	56	13	0	5	0	0	14	3	0	0	0	0	91
10:00 PM	0	8	7	0	1	0	0	9	2	0	0	0	0	27
10:15 PM	0	11	4	0	5	0	0	5	0	0	0	0	0	25
10:30 PM	0	5	0	0	0	0	0	1	0	0	0	0	0	6
10:45 PM	0	10	3	0	0	0	0	4	0	0	0	0	0	17
Hour Total	0	34	14	0	6	0	0	19	2	0	0	0	0	75
11:00 PM	0	5	2	0	2	0	0	7	0	0	0	0	0	16
11:15 PM	0	0	3	1	1	0	0	4	0	0	0	0	0	9
11:30 PM	0	2	1	0	1	0	0	12	0	0	0	0	0	16
11:45 PM	0	4	0	0	0	0	0	3	0	0	0	0	0	7
Hour Total	0	11	6	1	4	0	0	26	0	0	0	0	0	48
Totals	7	2040	690	51	493	39	0	800	170	6	106	3	0	4405
Percent	0.2%	46.3%	15.7%	1.2%	11.2%	0.9%	0.0%	18.2%	3.9%	0.1%	2.4%	0.1%	0.0%	

Class Report - Prepared by: NDS/ATD

South of I-205/Mountain House Parkway interchange and ramps

Tracy

Project #:11-7199-001s Date: 5/4/2011 WEDNESDAY

North Bound, South Bound

Begin Time	Bikes	Cars & Tlrs	2 Axle Long	Buses	2 Axle 6 Tire	3 Axle Single	4 Axle Single	<5 Axle Double	5 Axle Double	>5 Axle Double	<6 Axle Multi	6 Axle Multi	>6 Axle Multi	Total
12:00 AM	0	22	9	0	2	0	0	9	2	0	0	0	0	44
12:15 AM	0	17	3	0	2	0	0	5	1	0	0	0	0	28
12:30 AM	0	13	2	0	2	0	0	6	0	0	0	0	0	23
12:45 AM	0	12	3	0	1	0	0	10	0	0	0	0	0	26
Hour Total	0	64	17	0	7	0	0	30	3	0	0	0	0	121
1:00 AM	0	14	4	0	5	0	0	5	0	0	0	0	0	28
1:15 AM	0	11	1	0	0	0	0	5	0	0	0	0	0	17
1:30 AM	0	17	4	1	2	1	0	2	2	0	0	0	0	29
1:45 AM	0	15	3	2	1	0	0	8	1	0	0	0	0	30
Hour Total	0	57	12	3	8	1	0	20	3	0	0	0	0	104
2:00 AM	0	12	5	2	3	1	0	10	0	0	0	0	0	33
2:15 AM	0	17	2	0	5	0	0	9	1	0	0	0	0	34
2:30 AM	0	28	7	0	4	0	0	6	0	0	0	0	0	45
2:45 AM	0	25	6	0	3	0	0	6	1	0	0	0	0	41
Hour Total	0	82	20	2	15	1	0	31	2	0	0	0	0	153
3:00 AM	0	10	8	0	3	0	0	14	0	0	0	0	0	35
3:15 AM	0	24	2	0	4	0	0	7	2	0	0	0	0	39
3:30 AM	0	38	8	2	6	0	0	7	0	0	0	0	0	61
3:45 AM	0	23	4	0	6	0	0	14	1	0	0	0	0	48
Hour Total	0	95	22	2	19	0	0	42	3	0	0	0	0	183
4:00 AM	0	18	2	0	1	1	0	12	1	0	1	0	0	36
4:15 AM	0	22	3	0	2	1	0	14	2	0	0	0	0	44
4:30 AM	0	41	14	0	8	1	0	11	1	0	0	0	0	76
4:45 AM	0	41	15	0	6	0	0	16	2	0	1	0	0	81
Hour Total	0	122	34	0	17	3	0	53	6	0	2	0	0	237
5:00 AM	0	32	10	0	8	3	0	16	2	0	3	0	0	74
5:15 AM	0	30	12	1	8	0	0	14	3	0	3	0	0	71
5:30 AM	0	58	18	0	6	1	0	19	1	0	3	0	0	106
5:45 AM	0	53	18	0	18	0	0	21	1	0	14	0	0	125
Hour Total	0	173	58	1	40	4	0	70	7	0	23	0	0	376
6:00 AM	0	43	14	0	13	0	0	14	4	0	3	0	0	91
6:15 AM	0	62	17	2	18	0	0	28	6	0	2	0	0	135
6:30 AM	0	88	35	0	21	0	0	24	8	0	1	0	0	177
6:45 AM	1	100	24	2	14	0	0	23	7	0	5	0	0	176
Hour Total	1	293	90	4	66	0	0	89	25	0	11	0	0	579
7:00 AM	1	62	22	2	9	0	0	32	2	0	2	1	0	133
7:15 AM	1	50	14	2	6	3	0	20	3	0	4	1	0	104
7:30 AM	1	70	13	0	8	1	0	28	7	0	6	0	0	134
7:45 AM	0	81	24	2	18	0	0	21	7	0	1	0	0	154
Hour Total	3	263	73	6	41	4	0	101	19	0	13	2	0	525

8:00 AM	0	89	17	0	16	1	0	29	8	0	5	0	0	165
8:15 AM	0	49	20	0	14	0	0	30	4	2	1	0	0	120
8:30 AM	0	36	11	1	14	1	0	29	10	2	3	0	0	107
8:45 AM	0	36	13	2	12	2	0	26	10	0	4	0	0	105
Hour Total	0	210	61	3	56	4	0	114	32	4	13	0	0	497
9:00 AM	0	43	7	1	8	1	0	30	9	0	3	0	0	102
9:15 AM	0	26	10	2	10	2	0	28	4	0	4	0	0	86
9:30 AM	0	32	13	2	9	1	0	30	8	0	3	0	0	98
9:45 AM	0	37	13	5	16	1	0	31	7	0	4	1	0	115
Hour Total	0	138	43	10	43	5	0	119	28	0	14	1	0	401
10:00 AM	1	31	13	3	12	4	0	31	6	1	6	0	0	108
10:15 AM	0	23	16	1	22	5	0	39	11	1	9	1	0	128
10:30 AM	0	22	11	2	10	2	0	24	8	0	2	0	0	81
10:45 AM	0	23	13	0	5	1	0	30	10	0	8	0	0	90
Hour Total	1	99	53	6	49	12	0	124	35	2	25	1	0	407
11:00 AM	0	38	21	2	15	4	0	27	9	0	6	0	0	122
11:15 AM	0	41	18	1	12	5	0	23	9	0	6	0	0	115
11:30 AM	0	41	11	3	13	2	0	17	8	0	5	0	0	100
11:45 AM	1	36	14	2	14	1	0	21	12	0	5	1	0	107
Hour Total	1	156	64	8	54	12	0	88	38	0	22	1	0	444
12:00 PM	0	57	15	3	21	2	0	23	6	0	6	0	0	133
12:15 PM	1	41	11	1	13	1	0	21	10	0	7	0	0	106
12:30 PM	0	38	27	1	18	3	0	17	6	1	5	0	0	116
12:45 PM	0	54	23	0	9	0	0	12	7	0	3	1	0	109
Hour Total	1	190	76	5	61	6	0	73	29	1	21	1	0	464
1:00 PM	0	48	23	1	13	4	0	21	7	0	8	0	0	125
1:15 PM	0	69	43	1	9	0	0	17	7	0	4	0	0	150
1:30 PM	1	110	31	0	15	2	0	16	15	0	5	0	0	195
1:45 PM	0	54	23	0	9	1	0	13	11	0	2	0	0	113
Hour Total	1	281	120	2	46	7	0	67	40	0	19	0	0	583
2:00 PM	1	57	17	3	16	0	0	19	3	0	4	0	0	120
2:15 PM	0	49	10	3	15	1	0	12	10	0	7	0	0	107
2:30 PM	0	119	38	5	19	4	0	18	11	1	5	1	0	221
2:45 PM	0	70	20	0	12	0	0	21	4	0	2	0	0	129
Hour Total	1	295	85	11	62	5	0	70	28	1	18	1	0	577
3:00 PM	0	51	24	4	13	0	0	14	9	0	5	0	0	120
3:15 PM	2	56	13	3	11	2	0	15	8	0	6	0	0	116
3:30 PM	0	45	20	2	14	2	0	11	10	0	2	0	0	106
3:45 PM	1	48	26	3	14	3	0	12	10	0	1	0	0	118
Hour Total	3	200	83	12	52	7	0	52	37	0	14	0	0	460

4:00 PM	0	65	22	1	10	4	0	11	8	0	3	0	0	124
4:15 PM	0	85	20	2	16	1	0	20	4	0	3	0	0	151
4:30 PM	0	94	32	2	17	1	0	23	5	0	0	0	0	174
4:45 PM	0	85	26	0	14	0	0	12	6	0	2	0	0	145
Hour Total	0	329	100	5	57	6	0	66	23	0	8	0	0	594
5:00 PM	0	124	27	0	16	3	0	20	9	0	2	0	0	201
5:15 PM	0	80	25	1	15	1	0	14	8	1	2	0	0	147
5:30 PM	0	56	13	1	10	0	0	16	3	0	0	0	0	99
5:45 PM	1	50	5	1	13	1	0	11	3	1	0	0	0	86
Hour Total	1	310	70	3	54	5	0	61	23	2	4	0	0	533
6:00 PM	0	48	8	1	9	2	0	10	4	1	1	0	0	84
6:15 PM	0	43	14	0	4	0	0	15	4	0	0	0	0	80
6:30 PM	0	33	12	2	8	2	0	8	1	0	0	0	0	66
6:45 PM	1	28	15	0	5	1	0	10	2	0	0	0	0	62
Hour Total	1	152	49	3	26	5	0	43	11	1	1	0	0	292
7:00 PM	0	26	8	1	3	0	0	6	4	0	0	0	0	48
7:15 PM	0	25	14	0	3	0	0	5	3	0	1	0	0	51
7:30 PM	0	15	6	0	3	2	0	4	1	0	0	0	0	31
7:45 PM	0	23	5	0	4	1	0	10	2	0	0	0	0	45
Hour Total	0	89	33	1	13	3	0	25	10	0	1	0	0	175
8:00 PM	0	26	7	0	2	1	0	4	1	0	1	0	0	42
8:15 PM	0	20	9	0	1	0	0	13	0	0	0	0	0	43
8:30 PM	0	18	4	1	4	0	0	7	2	0	0	0	0	36
8:45 PM	0	23	2	0	3	0	0	10	2	0	0	0	0	40
Hour Total	0	87	22	1	10	1	0	34	5	0	1	0	0	161
9:00 PM	0	24	8	0	10	0	0	9	2	0	0	0	0	53
9:15 PM	0	27	8	0	2	1	0	13	2	0	0	0	0	53
9:30 PM	0	22	3	0	3	1	0	5	0	0	0	0	0	34
9:45 PM	0	21	2	0	1	0	0	5	2	0	0	0	0	31
Hour Total	0	94	21	0	16	2	0	32	6	0	0	0	0	171
10:00 PM	0	23	14	0	4	0	0	14	3	0	0	0	0	58
10:15 PM	0	53	13	0	6	0	0	7	0	0	0	0	0	79
10:30 PM	0	36	7	0	3	0	0	5	0	0	0	0	0	51
10:45 PM	0	26	3	0	2	0	0	8	1	0	0	0	0	40
Hour Total	0	138	37	0	15	0	0	34	4	0	0	0	0	228
11:00 PM	0	15	7	0	3	0	0	7	0	0	0	0	0	32
11:15 PM	0	13	5	1	4	0	0	5	1	0	0	0	0	29
11:30 PM	0	15	3	0	2	0	0	16	0	0	0	0	0	36
11:45 PM	0	12	5	0	6	0	0	6	0	0	0	0	0	29
Hour Total	0	55	20	1	15	0	0	34	1	0	0	0	0	126
Totals	14	3972	1263	89	842	93	0	1472	418	11	210	7	0	8391
Percent	0.2%	47.3%	15.1%	1.1%	10.0%	1.1%	0.0%	17.5%	5.0%	0.1%	2.5%	0.1%	0.0%	

5/4/2011 City: Tracy Project #: 11-7199-001s

Location: South of I-205/Mountain House Parkway interchange and ramps

Start	Southbound		Hour Totals		Northbound		Hour Totals		Combined Totals	
Time	Morning	Afternoon	Morning	Afternoon	Morning	Afternoon	Morning	Afternoon	Morning	Afternoon
12:00	8	58			36	75				
12:15	9	58			19	48				
12:30	11	67			12	49				
12:45	5	55	33	238	21	54	88	226	121	464
1:00	7	50			21	75				
1:15	13	71			4	79				
1:30	17	82			12	113				
1:45	20	61	57	264	10	52	47	319	104	583
2:00	20	57			13	63				
2:15	26	42			8	65				
2:30	25	64			20	157				
2:45	31	55	102	218	10	74	51	359	153	577
3:00	25	58			10	62				
3:15	20	47			19	69				
3:30	27	64			34	42				
3:45	32	44	104	213	16	74	79	247	183	460
4:00	24	48			12	76				
4:15	28	82			16	69				
4:30	62	51			14	123				
4:45	67	48	181	229	14	97	56	365	237	594
5:00	61	47			13	154				
5:15	58	47			13	100				
5:30	88	33			18	66				
5:45	101	32	308	159	24	54	68	374	376	533
6:00	64	32			27	52				
6:15	94	38			41	42				
6:30	137	30			40	36				
6:45	148	28	443	128	28	34	136	164	579	292
7:00	94	21			39	27				
7:15	66	20			38	31				
7:30	90	13			44	18				
7:45	115	23	365	77	39	22	160	98	525	175
8:00	122	19			43	23				
8:15	90	27			30	16				
8:30	65	18			42	18				
8:45	69	30	346	94	36	10	151	67	497	161
9:00	58	27			44	26				
9:15	44	33			42	20				
9:30	52	14			46	20				
9:45	64	17	218	91	51	14	183	80	401	171
10:00	48	27			60	31				
10:15	73	25			55	54				
10:30	46	6			35	45				
10:45	41	17	208	75	49	23	199	153	407	228
11:00	58	16			64	16				
11:15	52	9			63	20				
11:30	50	16			50	20				
11:45	46	7	206	48	61	22	238	78	444	126
Total	2571	1834	2571	1834	1456	2530	1456	2530	4027	4364
Combined Total	4405		4405		3986		3986		8391	
AM Peak	6:15 AM				11:15 AM					
Vol.	473				249					
P.H.F.	0.799				0.830					
PM Peak		1:15 PM				4:30 PM				
Vol.		271				474				
P.H.F.		0.826				0.769				
Percentage	58.4%	41.6%			36.5%	63.5%				

Speed Report - Prepared by: NDS/ATD

North of I-580/Mountain House Parkway interchange and ramps (Outside lanes only)

Tracy

Project #: 11-7199-002n Date: 5/5/2011 THURSDAY

North Bound

Begin Time	5-14	15-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-9999	Total
12:00 AM	0	0	4	3	1	2	2	1	0	0	0	0	0	13
12:15 AM	0	1	0	4	3	4	1	1	1	0	0	0	0	15
12:30 AM	0	0	2	1	2	3	4	2	0	0	0	0	0	14
12:45 AM	0	0	0	3	4	6	1	2	0	0	0	0	0	16
Hour Total	0	1	6	11	10	15	8	6	1	0	0	0	0	58
1:00 AM	0	1	0	1	3	5	1	2	0	0	0	0	0	13
1:15 AM	0	0	3	8	2	3	2	0	0	0	0	0	0	18
1:30 AM	0	0	1	1	3	2	1	1	1	0	0	0	0	10
1:45 AM	0	0	2	1	2	4	3	3	1	0	0	0	0	16
Hour Total	0	1	6	11	10	14	7	6	2	0	0	0	0	57
2:00 AM	0	0	1	3	1	4	5	1	0	0	0	0	0	15
2:15 AM	0	1	0	0	8	6	2	1	1	0	0	0	0	19
2:30 AM	0	0	1	0	2	8	6	3	0	0	0	0	0	20
2:45 AM	1	0	0	2	3	7	7	4	0	0	0	0	0	24
Hour Total	1	1	2	5	14	25	20	9	1	0	0	0	0	78
3:00 AM	0	0	2	2	3	0	3	0	0	1	0	0	0	11
3:15 AM	0	0	1	5	3	6	4	1	2	0	0	0	0	22
3:30 AM	0	1	0	1	4	2	2	0	0	0	0	0	0	10
3:45 AM	0	0	4	1	5	4	4	1	1	1	0	0	0	21
Hour Total	0	1	7	9	15	12	13	2	3	2	0	0	0	64
4:00 AM	1	2	2	2	4	3	7	0	1	0	0	0	0	22
4:15 AM	0	1	1	3	6	5	3	0	0	0	0	0	0	19
4:30 AM	0	1	0	0	4	8	3	3	1	0	0	0	0	20
4:45 AM	0	0	3	6	7	7	10	2	0	0	0	0	0	35
Hour Total	1	4	6	11	21	23	23	5	2	0	0	0	0	96
5:00 AM	0	0	1	5	4	10	5	3	0	0	0	0	0	28
5:15 AM	1	0	0	3	9	15	7	5	2	0	0	0	0	42
5:30 AM	0	1	4	8	14	13	16	4	1	0	0	0	0	61
5:45 AM	1	5	2	11	4	18	9	7	1	0	1	0	0	59
Hour Total	2	6	7	27	31	56	37	19	4	0	1	0	0	190
6:00 AM	0	2	5	7	6	8	6	3	1	0	0	0	0	38
6:15 AM	1	1	5	4	9	5	7	0	2	0	0	0	0	34
6:30 AM	0	0	4	5	7	5	6	2	1	0	0	0	0	30
6:45 AM	0	2	4	6	13	4	6	4	1	0	0	0	0	40
Hour Total	1	5	18	22	35	22	25	9	5	0	0	0	0	142
7:00 AM	0	1	0	12	9	10	6	2	0	0	0	0	0	40
7:15 AM	1	0	2	4	8	7	7	4	1	0	0	0	0	34
7:30 AM	1	0	0	3	4	9	5	0	3	0	0	0	0	25
7:45 AM	0	1	3	3	6	6	7	6	2	1	0	0	0	35
Hour Total	2	2	5	22	27	32	25	12	6	1	0	0	0	134

8:00 AM	0	0	1	4	7	12	3	4	1	0	0	0	0	32
8:15 AM	0	2	0	5	9	7	4	5	3	0	0	0	0	35
8:30 AM	0	0	0	6	11	4	6	2	0	0	0	0	0	29
8:45 AM	0	1	1	5	10	10	5	2	0	0	0	0	0	34
Hour Total	0	3	2	20	37	33	18	13	4	0	0	0	0	130
9:00 AM	0	0	2	4	11	7	5	2	0	0	0	0	0	31
9:15 AM	0	1	1	13	7	2	2	0	2	0	0	0	0	28
9:30 AM	0	0	2	5	6	4	9	0	0	0	0	0	0	26
9:45 AM	0	0	2	2	4	8	6	1	2	1	0	0	0	26
Hour Total	0	1	7	24	28	21	22	3	4	1	0	0	0	111
10:00 AM	0	1	1	8	4	10	4	2	1	0	0	0	0	31
10:15 AM	0	0	1	3	6	7	3	4	0	1	0	0	0	25
10:30 AM	0	0	0	3	11	10	8	1	2	0	1	0	0	36
10:45 AM	0	0	3	4	10	8	5	0	2	0	0	0	0	32
Hour Total	0	1	5	18	31	35	20	7	5	1	1	0	0	124
11:00 AM	0	0	2	1	6	10	5	4	4	1	0	0	0	33
11:15 AM	0	0	0	1	10	16	5	4	3	0	0	0	0	39
11:30 AM	0	0	0	2	11	8	14	5	1	0	0	0	0	41
11:45 AM	0	0	2	0	9	12	9	6	1	1	0	0	0	40
Hour Total	0	0	4	4	36	46	33	19	9	2	0	0	0	153
12:00 PM	0	1	2	2	9	6	8	8	1	0	0	0	0	37
12:15 PM	0	0	1	1	4	9	5	0	2	0	0	0	0	22
12:30 PM	0	0	0	1	7	6	6	3	1	0	0	0	0	24
12:45 PM	0	0	2	2	8	4	5	5	1	0	0	0	0	27
Hour Total	0	1	5	6	28	25	24	16	5	0	0	0	0	110
1:00 PM	0	0	1	2	3	6	4	9	0	0	0	0	0	25
1:15 PM	0	0	0	3	9	8	9	5	0	0	1	0	0	35
1:30 PM	0	0	0	2	6	4	6	13	4	1	0	0	0	36
1:45 PM	0	0	0	5	3	8	5	3	2	0	0	0	0	26
Hour Total	0	0	1	12	21	26	24	30	6	1	1	0	0	122
2:00 PM	1	0	2	1	7	6	7	4	1	0	0	0	0	29
2:15 PM	1	0	1	2	4	9	5	2	5	0	0	0	0	29
2:30 PM	0	2	1	1	8	8	11	9	4	0	0	0	0	44
2:45 PM	0	1	4	2	6	18	20	13	1	0	0	0	0	65
Hour Total	2	3	8	6	25	41	43	28	11	0	0	0	0	167
3:00 PM	0	0	1	3	7	10	15	10	4	1	0	0	0	51
3:15 PM	0	0	1	1	1	3	14	15	5	1	0	0	0	41
3:30 PM	0	0	0	0	3	9	17	19	7	2	1	0	0	58
3:45 PM	1	0	0	1	11	10	23	15	9	2	0	0	0	72
Hour Total	1	0	2	5	22	32	69	59	25	6	1	0	0	222

4:00 PM	0	0	0	0	1	2	16	16	18	2	0	0	0	55
4:15 PM	0	0	0	0	6	14	15	19	21	3	0	0	0	78
4:30 PM	0	0	1	1	4	6	17	36	21	4	0	0	0	90
4:45 PM	0	0	1	0	7	8	21	25	17	2	1	0	0	82
Hour Total	0	0	2	1	18	30	69	96	77	11	1	0	0	305
5:00 PM	0	0	0	2	2	3	19	32	16	5	0	0	0	79
5:15 PM	0	0	0	2	1	2	18	33	24	7	0	0	0	87
5:30 PM	0	0	0	1	2	4	10	26	25	3	0	0	0	71
5:45 PM	0	0	1	0	1	6	21	20	20	1	0	0	0	70
Hour Total	0	0	1	5	6	15	68	111	85	16	0	0	0	307
6:00 PM	0	0	0	1	6	12	8	19	7	2	0	0	0	55
6:15 PM	0	0	0	3	2	12	17	19	4	3	0	0	0	60
6:30 PM	0	0	1	1	2	1	12	14	8	2	0	0	0	41
6:45 PM	0	0	0	1	4	5	15	20	3	0	1	0	0	49
Hour Total	0	0	1	6	14	30	52	72	22	7	1	0	0	205
7:00 PM	0	0	0	0	5	6	13	13	8	2	1	0	0	48
7:15 PM	0	0	0	0	1	6	14	23	10	2	1	0	0	57
7:30 PM	0	0	0	3	0	4	9	14	7	3	0	0	0	40
7:45 PM	0	0	0	1	2	2	13	12	5	0	0	0	0	35
Hour Total	0	0	0	4	8	18	49	62	30	7	2	0	0	180
8:00 PM	0	0	1	2	1	4	6	8	4	1	0	0	0	27
8:15 PM	0	0	1	0	3	7	9	4	0	0	0	0	0	24
8:30 PM	0	1	0	1	1	5	6	2	3	0	0	0	0	19
8:45 PM	0	2	1	1	3	4	10	2	7	0	0	0	0	30
Hour Total	0	3	3	4	8	20	31	16	14	1	0	0	0	100
9:00 PM	1	2	0	4	2	9	7	9	1	0	0	0	0	35
9:15 PM	1	0	0	2	3	4	5	3	3	0	0	0	0	21
9:30 PM	0	0	0	3	3	7	7	2	2	0	0	0	0	24
9:45 PM	0	0	3	3	2	7	4	1	0	0	0	0	0	20
Hour Total	2	2	3	12	10	27	23	15	6	0	0	0	0	100
10:00 PM	0	1	1	1	3	3	8	3	0	1	0	0	0	21
10:15 PM	0	0	0	1	2	2	6	4	1	0	0	0	0	16
10:30 PM	2	0	1	2	3	2	6	4	0	0	0	0	0	20
10:45 PM	0	0	1	4	0	4	3	3	0	0	0	0	0	15
Hour Total	2	1	3	8	8	11	23	14	1	1	0	0	0	72
11:00 PM	0	0	2	2	3	6	5	2	0	0	0	0	0	20
11:15 PM	0	0	1	1	0	1	2	1	2	0	0	0	0	8
11:30 PM	0	1	0	6	4	2	0	0	0	0	0	0	0	13
11:45 PM	0	0	0	1	3	5	3	1	0	0	0	0	0	13
Hour Total	0	1	3	10	10	14	10	4	2	0	0	0	0	54
Totals	14	37	107	263	473	623	736	633	330	57	8	0	0	3281

Speed Report - Prepared by: NDS/ATD

North of I-580/Mountain House Parkway interchange and ramps
(Outside lanes only)
Tracy
Project #: 11-7199-002n
Date: 5/5/2011

North Bound

Speed Statistics.

15th Percentile Speed	:	31 MPH
Median Speed (50th percentile)	:	41 MPH
Average Speed - All Vehicles	:	40 MPH
85th Percentile Speed	:	49 MPH
95th Percentile Speed	:	53 MPH
10 MPH Pace Speed	:	40 - 49 MPH
Number of Vehicles in Pace	:	1369
Percentage of Vehicles in Pace	:	41.73%
Number of Vehicles >= 25 MPH	:	3123
Percentage of Vehicles >= 25 MPH	:	95.18%

Speed Report - Prepared by: NDS/ATD

North of I-580/Mountain House Parkway interchange and ramps (Outside lanes only)

Tracy

Project #: 11-7199-002s Date: 5/5/2011 THURSDAY

South Bound

Begin Time	5-14	15-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-9999	Total
12:00 AM	0	0	4	4	0	4	2	0	0	0	0	0	0	14
12:15 AM	0	1	4	4	1	1	0	2	0	0	0	0	0	13
12:30 AM	0	0	0	0	0	2	0	0	0	0	0	0	0	2
12:45 AM	0	0	1	1	1	1	0	0	0	0	0	0	0	4
Hour Total	0	1	9	9	2	8	2	2	0	0	0	0	0	33
1:00 AM	0	0	3	1	0	0	0	0	0	0	0	0	0	4
1:15 AM	0	0	2	3	0	0	0	0	0	0	0	0	0	5
1:30 AM	1	0	3	3	1	0	0	1	0	0	0	0	0	9
1:45 AM	0	0	0	1	1	0	0	0	0	0	0	0	0	2
Hour Total	1	0	8	8	2	0	0	1	0	0	0	0	0	20
2:00 AM	0	0	1	0	2	1	0	1	0	0	0	0	0	5
2:15 AM	0	0	2	5	1	2	0	0	0	0	0	0	0	10
2:30 AM	0	1	1	2	1	1	1	0	0	0	0	0	0	7
2:45 AM	0	0	4	1	1	2	1	0	0	0	0	0	0	9
Hour Total	0	1	8	8	5	6	2	1	0	0	0	0	0	31
3:00 AM	0	0	2	2	3	1	0	0	0	0	0	0	0	8
3:15 AM	0	0	3	3	0	1	0	0	0	0	0	0	0	7
3:30 AM	0	2	5	3	0	3	1	0	0	0	0	0	0	14
3:45 AM	0	0	5	4	2	1	0	1	0	0	0	0	0	13
Hour Total	0	2	15	12	5	6	1	1	0	0	0	0	0	42
4:00 AM	1	1	5	3	0	7	2	0	0	0	0	0	0	19
4:15 AM	0	1	6	7	2	8	4	6	0	0	0	0	0	34
4:30 AM	0	4	4	8	1	11	2	0	2	0	0	0	0	32
4:45 AM	0	0	2	11	6	10	7	7	0	2	0	0	0	45
Hour Total	1	6	17	29	9	36	15	13	2	2	0	0	0	130
5:00 AM	0	2	4	1	2	16	15	4	2	0	0	0	0	46
5:15 AM	3	9	11	3	5	40	16	3	0	0	0	0	0	90
5:30 AM	0	0	4	7	15	31	15	6	2	0	0	0	0	80
5:45 AM	0	2	8	5	8	27	21	8	2	2	0	0	0	83
Hour Total	3	13	27	16	30	114	67	21	6	2	0	0	0	299
6:00 AM	0	2	1	0	16	23	29	7	3	0	0	0	0	81
6:15 AM	1	3	23	5	11	25	23	6	2	0	0	0	0	99
6:30 AM	0	1	4	13	13	19	11	6	6	1	0	0	0	74
6:45 AM	0	1	10	6	7	16	28	4	4	1	1	0	0	78
Hour Total	1	7	38	24	47	83	91	23	15	2	1	0	0	332
7:00 AM	0	0	4	9	10	25	26	4	3	2	0	0	0	83
7:15 AM	0	0	4	7	11	12	19	5	2	0	0	0	0	60
7:30 AM	0	0	0	10	9	21	18	8	2	0	0	0	0	68
7:45 AM	0	0	0	0	5	18	16	3	0	2	0	0	0	44
Hour Total	0	0	8	26	35	76	79	20	7	4	0	0	0	255

8:00 AM	0	2	3	9	1	7	8	0	1	3	0	0	0	34
8:15 AM	0	3	6	4	1	7	7	2	0	0	0	0	0	30
8:30 AM	0	3	4	5	5	10	9	7	2	0	0	0	0	45
8:45 AM	0	2	8	2	3	16	12	2	0	0	0	0	0	45
Hour Total	0	10	21	20	10	40	36	11	3	3	0	0	0	154
9:00 AM	0	0	15	5	9	3	12	4	0	1	0	0	0	49
9:15 AM	0	0	7	14	4	4	9	2	0	0	0	0	0	40
9:30 AM	1	4	9	2	5	8	5	3	0	0	0	0	0	37
9:45 AM	0	1	3	10	10	16	5	2	0	0	0	0	0	47
Hour Total	1	5	34	31	28	31	31	11	0	1	0	0	0	173
10:00 AM	1	1	10	6	11	6	0	0	0	0	0	0	0	35
10:15 AM	0	0	2	12	6	11	6	2	0	0	0	0	0	39
10:30 AM	0	1	6	4	2	8	13	1	0	0	0	0	0	35
10:45 AM	0	3	3	9	4	6	3	1	1	0	0	0	0	30
Hour Total	1	5	21	31	23	31	22	4	1	0	0	0	0	139
11:00 AM	0	1	1	6	3	12	0	1	0	1	0	0	0	25
11:15 AM	0	1	4	8	2	8	8	1	1	1	0	0	0	34
11:30 AM	0	2	13	9	5	6	2	1	0	0	0	0	0	38
11:45 AM	0	2	6	6	3	5	5	3	0	0	0	0	0	30
Hour Total	0	6	24	29	13	31	15	6	1	2	0	0	0	127
12:00 PM	0	1	10	9	3	9	3	1	0	0	0	0	0	36
12:15 PM	0	2	4	8	8	9	3	0	0	0	0	0	0	34
12:30 PM	0	0	5	9	3	7	4	2	0	0	0	0	0	30
12:45 PM	0	2	2	5	5	5	2	1	0	0	0	0	0	22
Hour Total	0	5	21	31	19	30	12	4	0	0	0	0	0	122
1:00 PM	0	2	4	5	9	2	4	0	0	1	0	0	0	27
1:15 PM	0	0	8	9	3	11	7	1	0	0	0	0	0	39
1:30 PM	0	0	5	6	2	8	4	1	1	0	0	0	0	27
1:45 PM	0	0	9	1	6	3	9	2	0	0	0	0	0	30
Hour Total	0	2	26	21	20	24	24	4	1	1	0	0	0	123
2:00 PM	0	0	6	4	6	8	5	2	0	0	0	0	0	31
2:15 PM	0	1	2	4	3	9	1	1	1	3	0	0	0	25
2:30 PM	0	0	6	4	11	2	2	3	0	0	0	0	0	28
2:45 PM	0	1	7	6	2	7	7	1	1	0	0	0	0	32
Hour Total	0	2	21	18	22	26	15	7	2	3	0	0	0	116
3:00 PM	0	0	4	2	5	5	5	4	0	1	0	0	0	26
3:15 PM	0	1	2	2	3	6	3	1	0	0	0	0	0	18
3:30 PM	0	1	4	2	7	12	9	1	1	0	0	0	0	37
3:45 PM	0	0	1	1	9	4	6	3	0	0	0	0	0	24
Hour Total	0	2	11	7	24	27	23	9	1	1	0	0	0	105

4:00 PM	3	0	6	1	3	8	6	2	0	0	0	0	0	29
4:15 PM	0	1	5	3	2	9	5	0	0	0	0	0	0	25
4:30 PM	0	0	1	1	6	11	8	0	0	1	0	0	0	28
4:45 PM	0	0	5	5	3	10	7	0	0	0	0	0	0	30
Hour Total	3	1	17	10	14	38	26	2	0	1	0	0	0	112
5:00 PM	0	0	6	3	5	5	4	2	0	0	0	0	0	25
5:15 PM	0	1	6	2	2	5	5	2	0	0	0	0	0	23
5:30 PM	0	0	3	2	4	13	2	2	0	0	0	0	0	26
5:45 PM	0	0	3	0	3	12	2	1	0	0	1	0	0	22
Hour Total	0	1	18	7	14	35	13	7	0	0	1	0	0	96
6:00 PM	0	1	5	8	7	6	6	1	1	0	0	0	0	35
6:15 PM	0	0	2	4	4	7	3	2	0	0	0	0	0	22
6:30 PM	0	0	1	2	6	4	9	1	0	0	0	0	0	23
6:45 PM	0	0	6	2	6	6	2	2	1	0	0	0	0	25
Hour Total	0	1	14	16	23	23	20	6	2	0	0	0	0	105
7:00 PM	0	0	10	5	5	7	1	0	0	0	0	0	0	28
7:15 PM	0	0	5	4	4	8	2	2	0	1	0	0	0	26
7:30 PM	0	1	4	7	6	2	1	0	0	0	0	0	0	21
7:45 PM	0	4	0	2	1	6	2	0	0	0	0	0	0	15
Hour Total	0	5	19	18	16	23	6	2	0	1	0	0	0	90
8:00 PM	0	0	8	2	1	0	1	1	1	0	0	0	0	14
8:15 PM	0	0	0	1	2	5	0	0	0	0	0	0	0	8
8:30 PM	0	2	1	0	1	3	3	1	1	0	0	0	0	12
8:45 PM	0	0	0	1	2	3	2	0	1	0	0	0	0	9
Hour Total	0	2	9	4	6	11	6	2	3	0	0	0	0	43
9:00 PM	0	0	1	0	2	5	1	0	0	0	0	0	0	9
9:15 PM	0	1	3	1	1	3	1	2	0	0	0	0	0	12
9:30 PM	0	0	2	5	3	4	2	1	0	0	0	0	0	17
9:45 PM	0	0	1	3	2	3	2	0	0	0	0	0	0	11
Hour Total	0	1	7	9	8	15	6	3	0	0	0	0	0	49
10:00 PM	0	0	3	2	3	2	1	1	0	0	0	0	0	12
10:15 PM	0	1	2	1	4	4	1	0	0	0	0	0	0	13
10:30 PM	0	0	4	0	0	3	3	0	1	0	0	0	0	11
10:45 PM	0	1	2	2	1	2	1	0	1	0	0	0	0	10
Hour Total	0	2	11	5	8	11	6	1	2	0	0	0	0	46
11:00 PM	0	0	2	0	0	5	0	0	0	0	0	0	0	7
11:15 PM	0	0	1	2	3	0	1	0	0	0	0	0	0	7
11:30 PM	0	1	2	0	2	2	1	0	0	0	0	0	0	8
11:45 PM	0	0	0	2	2	2	1	0	0	0	0	0	0	7
Hour Total	0	1	5	4	7	9	3	0	0	0	0	0	0	29
Totals	11	81	409	393	390	734	521	161	46	23	2	0	0	2771

Speed Report - Prepared by: NDS/ATD

North of I-580/Mountain House Parkway interchange and ramps
(Outside lanes only)
Tracy
Project #: 11-7199-002s
Date: 5/5/2011

South Bound

Speed Statistics.

15th Percentile Speed	:	24 MPH
Median Speed (50th percentile)	:	36 MPH
Average Speed - All Vehicles	:	34 MPH
85th Percentile Speed	:	43 MPH
95th Percentile Speed	:	48 MPH
10 MPH Pace Speed	:	35 - 44 MPH
Number of Vehicles in Pace	:	1255
Percentage of Vehicles in Pace	:	45.29%
Number of Vehicles >= 25 MPH	:	2270
Percentage of Vehicles >= 25 MPH	:	81.92%

Speed Report - Prepared by: NDS/ATD

North of I-580/Mountain House Parkway interchange and ramps (Outside lanes only)

Tracy

Project #: 11-7199-002s Date: 5/5/2011 THURSDAY

North Bound, South Bound

Begin Time	5-14	15-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-9999	Total
12:00 AM	0	0	8	7	1	6	4	1	0	0	0	0	0	27
12:15 AM	0	2	4	8	4	5	1	3	1	0	0	0	0	28
12:30 AM	0	0	2	1	2	5	4	2	0	0	0	0	0	16
12:45 AM	0	0	1	4	5	7	1	2	0	0	0	0	0	20
Hour Total	0	2	15	20	12	23	10	8	1	0	0	0	0	91
1:00 AM	0	1	3	2	3	5	1	2	0	0	0	0	0	17
1:15 AM	0	0	5	11	2	3	2	0	0	0	0	0	0	23
1:30 AM	1	0	4	4	4	2	1	2	1	0	0	0	0	19
1:45 AM	0	0	2	2	3	4	3	3	1	0	0	0	0	18
Hour Total	1	1	14	19	12	14	7	7	2	0	0	0	0	77
2:00 AM	0	0	2	3	3	5	5	2	0	0	0	0	0	20
2:15 AM	0	1	2	5	9	8	2	1	1	0	0	0	0	29
2:30 AM	0	1	2	2	3	9	7	3	0	0	0	0	0	27
2:45 AM	1	0	4	3	4	9	8	4	0	0	0	0	0	33
Hour Total	1	2	10	13	19	31	22	10	1	0	0	0	0	109
3:00 AM	0	0	4	4	6	1	3	0	0	1	0	0	0	19
3:15 AM	0	0	4	8	3	7	4	1	2	0	0	0	0	29
3:30 AM	0	3	5	4	4	5	3	0	0	0	0	0	0	24
3:45 AM	0	0	9	5	7	5	4	2	1	1	0	0	0	34
Hour Total	0	3	22	21	20	18	14	3	3	2	0	0	0	106
4:00 AM	2	3	7	5	4	10	9	0	1	0	0	0	0	41
4:15 AM	0	2	7	10	8	13	7	6	0	0	0	0	0	53
4:30 AM	0	5	4	8	5	19	5	3	3	0	0	0	0	52
4:45 AM	0	0	5	17	13	17	17	9	0	2	0	0	0	80
Hour Total	2	10	23	40	30	59	38	18	4	2	0	0	0	226
5:00 AM	0	2	5	6	6	26	20	7	2	0	0	0	0	74
5:15 AM	4	9	11	6	14	55	23	8	2	0	0	0	0	132
5:30 AM	0	1	8	15	29	44	31	10	3	0	0	0	0	141
5:45 AM	1	7	10	16	12	45	30	15	3	2	1	0	0	142
Hour Total	5	19	34	43	61	170	104	40	10	2	1	0	0	489
6:00 AM	0	4	6	7	22	31	35	10	4	0	0	0	0	119
6:15 AM	2	4	28	9	20	30	30	6	4	0	0	0	0	133
6:30 AM	0	1	8	18	20	24	17	8	7	1	0	0	0	104
6:45 AM	0	3	14	12	20	20	34	8	5	1	1	0	0	118
Hour Total	2	12	56	46	82	105	116	32	20	2	1	0	0	474
7:00 AM	0	1	4	21	19	35	32	6	3	2	0	0	0	123
7:15 AM	1	0	6	11	19	19	26	9	3	0	0	0	0	94
7:30 AM	1	0	0	13	13	30	23	8	5	0	0	0	0	93
7:45 AM	0	1	3	3	11	24	23	9	2	3	0	0	0	79
Hour Total	2	2	13	48	62	108	104	32	13	5	0	0	0	389

8:00 AM	0	2	4	13	8	19	11	4	2	3	0	0	0	66
8:15 AM	0	5	6	9	10	14	11	7	3	0	0	0	0	65
8:30 AM	0	3	4	11	16	14	15	9	2	0	0	0	0	74
8:45 AM	0	3	9	7	13	26	17	4	0	0	0	0	0	79
Hour Total	0	13	23	40	47	73	54	24	7	3	0	0	0	284
9:00 AM	0	0	17	9	20	10	17	6	0	1	0	0	0	80
9:15 AM	0	1	8	27	11	6	11	2	2	0	0	0	0	68
9:30 AM	1	4	11	7	11	12	14	3	0	0	0	0	0	63
9:45 AM	0	1	5	12	14	24	11	3	2	1	0	0	0	73
Hour Total	1	6	41	55	56	52	53	14	4	2	0	0	0	284
10:00 AM	1	2	11	14	15	16	4	2	1	0	0	0	0	66
10:15 AM	0	0	3	15	12	18	9	6	0	1	0	0	0	64
10:30 AM	0	1	6	7	13	18	21	2	2	0	1	0	0	71
10:45 AM	0	3	6	13	14	14	8	1	3	0	0	0	0	62
Hour Total	1	6	26	49	54	66	42	11	6	1	1	0	0	263
11:00 AM	0	1	3	7	9	22	5	5	4	2	0	0	0	58
11:15 AM	0	1	4	9	12	24	13	5	4	1	0	0	0	73
11:30 AM	0	2	13	11	16	14	16	6	1	0	0	0	0	79
11:45 AM	0	2	8	6	12	17	14	9	1	1	0	0	0	70
Hour Total	0	6	28	33	49	77	48	25	10	4	0	0	0	280
12:00 PM	0	2	12	11	12	15	11	9	1	0	0	0	0	73
12:15 PM	0	2	5	9	12	18	8	0	2	0	0	0	0	56
12:30 PM	0	0	5	10	10	13	10	5	1	0	0	0	0	54
12:45 PM	0	2	4	7	13	9	7	6	1	0	0	0	0	49
Hour Total	0	6	26	37	47	55	36	20	5	0	0	0	0	232
1:00 PM	0	2	5	7	12	8	8	9	0	1	0	0	0	52
1:15 PM	0	0	8	12	12	19	16	6	0	0	1	0	0	74
1:30 PM	0	0	5	8	8	12	10	14	5	1	0	0	0	63
1:45 PM	0	0	9	6	9	11	14	5	2	0	0	0	0	56
Hour Total	0	2	27	33	41	50	48	34	7	2	1	0	0	245
2:00 PM	1	0	8	5	13	14	12	6	1	0	0	0	0	60
2:15 PM	1	1	3	6	7	18	6	3	6	3	0	0	0	54
2:30 PM	0	2	7	5	19	10	13	12	4	0	0	0	0	72
2:45 PM	0	2	11	8	8	25	27	14	2	0	0	0	0	97
Hour Total	2	5	29	24	47	67	58	35	13	3	0	0	0	283
3:00 PM	0	0	5	5	12	15	20	14	4	2	0	0	0	77
3:15 PM	0	1	3	3	4	9	17	16	5	1	0	0	0	59
3:30 PM	0	1	4	2	10	21	26	20	8	2	1	0	0	95
3:45 PM	1	0	1	2	20	14	29	18	9	2	0	0	0	96
Hour Total	1	2	13	12	46	59	92	68	26	7	1	0	0	327

4:00 PM	3	0	6	1	4	10	22	18	18	2	0	0	0	84
4:15 PM	0	1	5	3	8	23	20	19	21	3	0	0	0	103
4:30 PM	0	0	2	2	10	17	25	36	21	5	0	0	0	118
4:45 PM	0	0	6	5	10	18	28	25	17	2	1	0	0	112
Hour Total	3	1	19	11	32	68	95	98	77	12	1	0	0	417
5:00 PM	0	0	6	5	7	8	23	34	16	5	0	0	0	104
5:15 PM	0	1	6	4	3	7	23	35	24	7	0	0	0	110
5:30 PM	0	0	3	3	6	17	12	28	25	3	0	0	0	97
5:45 PM	0	0	4	0	4	18	23	21	20	1	1	0	0	92
Hour Total	0	1	19	12	20	50	81	118	85	16	1	0	0	403
6:00 PM	0	1	5	9	13	18	14	20	8	2	0	0	0	90
6:15 PM	0	0	2	7	6	19	20	21	4	3	0	0	0	82
6:30 PM	0	0	2	3	8	5	21	15	8	2	0	0	0	64
6:45 PM	0	0	6	3	10	11	17	22	4	0	1	0	0	74
Hour Total	0	1	15	22	37	53	72	78	24	7	1	0	0	310
7:00 PM	0	0	10	5	10	13	14	13	8	2	1	0	0	76
7:15 PM	0	0	5	4	5	14	16	25	10	3	1	0	0	83
7:30 PM	0	1	4	10	6	6	10	14	7	3	0	0	0	61
7:45 PM	0	4	0	3	3	8	15	12	5	0	0	0	0	50
Hour Total	0	5	19	22	24	41	55	64	30	8	2	0	0	270
8:00 PM	0	0	9	4	2	4	7	9	5	1	0	0	0	41
8:15 PM	0	0	1	1	5	12	9	4	0	0	0	0	0	32
8:30 PM	0	3	1	1	2	8	9	3	4	0	0	0	0	31
8:45 PM	0	2	1	2	5	7	12	2	8	0	0	0	0	39
Hour Total	0	5	12	8	14	31	37	18	17	1	0	0	0	143
9:00 PM	1	2	1	4	4	14	8	9	1	0	0	0	0	44
9:15 PM	1	1	3	3	4	7	6	5	3	0	0	0	0	33
9:30 PM	0	0	2	8	6	11	9	3	2	0	0	0	0	41
9:45 PM	0	0	4	6	4	10	6	1	0	0	0	0	0	31
Hour Total	2	3	10	21	18	42	29	18	6	0	0	0	0	149
10:00 PM	0	1	4	3	6	5	9	4	0	1	0	0	0	33
10:15 PM	0	1	2	2	6	6	7	4	1	0	0	0	0	29
10:30 PM	2	0	5	2	3	5	9	4	1	0	0	0	0	31
10:45 PM	0	1	3	6	1	6	4	3	1	0	0	0	0	25
Hour Total	2	3	14	13	16	22	29	15	3	1	0	0	0	118
11:00 PM	0	0	4	2	3	11	5	2	0	0	0	0	0	27
11:15 PM	0	0	2	3	3	1	3	1	2	0	0	0	0	15
11:30 PM	0	2	2	6	6	4	1	0	0	0	0	0	0	21
11:45 PM	0	0	0	3	5	7	4	1	0	0	0	0	0	20
Hour Total	0	2	8	14	17	23	13	4	2	0	0	0	0	83
Totals	25	118	516	656	863	1357	1257	794	376	80	10	0	0	6052

Speed Report - Prepared by: NDS/ATD

North of I-580/Mountain House Parkway interchange and ramps
(Outside lanes only)
Tracy
Project #: 11-7199-002s
Date: 5/5/2011

North Bound, South Bound

Speed Statistics.

15th Percentile Speed	:	27 MPH
Median Speed (50th percentile)	:	38 MPH
Average Speed - All Vehicles	:	38 MPH
85th Percentile Speed	:	47 MPH
95th Percentile Speed	:	52 MPH
10 MPH Pace Speed	:	35 - 44 MPH
Number of Vehicles in Pace	:	2614
Percentage of Vehicles in Pace	:	43.19%
Number of Vehicles >= 25 MPH	:	5393
Percentage of Vehicles >= 25 MPH	:	89.11%

5/5/2011 City: Tracy Project #: 11-7199-002s

Location: North of I-580/Mountain House Parkway interchange and ramps (Outside lanes only)

Start	Southbound		Hour Totals		Northbound		Hour Totals		Combined Totals	
Time	Morning	Afternoon	Morning	Afternoon	Morning	Afternoon	Morning	Afternoon	Morning	Afternoon
12:00	14	36			13	37				
12:15	13	34			15	22				
12:30	2	30			14	24				
12:45	4	22	33	122	16	27	58	110	91	232
1:00	4	27			13	25				
1:15	5	39			18	35				
1:30	9	27			10	36				
1:45	2	30	20	123	16	26	57	122	77	245
2:00	5	31			15	29				
2:15	10	25			19	29				
2:30	7	28			20	44				
2:45	9	32	31	116	24	65	78	167	109	283
3:00	8	26			11	51				
3:15	7	18			22	41				
3:30	14	37			10	58				
3:45	13	24	42	105	21	72	64	222	106	327
4:00	19	29			22	55				
4:15	34	25			19	78				
4:30	32	28			20	90				
4:45	45	30	130	112	35	82	96	305	226	417
5:00	46	25			28	79				
5:15	90	23			42	87				
5:30	80	26			61	71				
5:45	83	22	299	96	59	70	190	307	489	403
6:00	81	35			38	55				
6:15	99	22			34	60				
6:30	74	23			30	41				
6:45	78	25	332	105	40	49	142	205	474	310
7:00	83	28			40	48				
7:15	60	26			34	57				
7:30	68	21			25	40				
7:45	44	15	255	90	35	35	134	180	389	270
8:00	34	14			32	27				
8:15	30	8			35	24				
8:30	45	12			29	19				
8:45	45	9	154	43	34	30	130	100	284	143
9:00	49	9			31	35				
9:15	40	12			28	21				
9:30	37	17			26	24				
9:45	47	11	173	49	26	20	111	100	284	149
10:00	35	12			31	21				
10:15	39	13			25	16				
10:30	35	11			36	20				
10:45	30	10	139	46	32	15	124	72	263	118
11:00	25	7			33	20				
11:15	34	7			39	8				
11:30	38	8			41	13				
11:45	30	7	127	29	40	13	153	54	280	83
Total	1735	1036	1735	1036	1337	1944	1337	1944	3072	2980
Combined Total	2771		2771		3281		3281		6052	
AM Peak	5:30 AM				5:15 AM					
Vol.	343				200					
P.H.F.	0.866				0.820					
PM Peak		1:15 PM				4:30 PM				
Vol.		127				338				
P.H.F.		0.814				0.939				
Percentage	62.6%	37.4%			40.7%	59.3%				

Appendix C
Screening Analysis

FEHR PEERS

Screening Analysis Table: 2035 Plus Phase 1 Project, PM Peak Hour Volumes

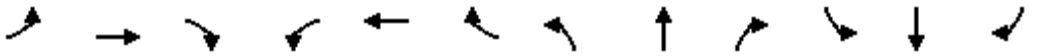
Street	Segment	VOLUME		Screening Analysis	Notes
		2035	2035 + Phase 1		
Mountain House Parkway SB	N/O 205	2380	2400	1%	Below 5%
Mountain Hosue Parkway NB	N/O 205	2530	2630	4%	Below 5%
Hansen SB	N/O Capital Parks Drive	70	140	50%	Very low volumes. Address through mitigation to control Proejct traffic use of the roadway north of I-205
Hansen NB	N/O Capital Parks Drive	80	120	33%	See above
Pavilion SB	N/O Capital Parks Drive	470	1000	53%	Projected volumes similar to TMP forecasts. TMP defined system adequate to accommodate volumes. Project will contribute to defined improvements through TMP fees.
Pavilion NB	N/O Capital Parks Drive	370	1380	73%	See above
Lammers SB	N/O 11th Street	1040	1040	0%	Below 5%
Lammers NB	N/O 11th Street	830	830	0%	Below 5%
Lammers Extension SB	N/O 205	1420	2850	50%	Volumes somewhat higher than TMP forecasts. Future roadway network to be defined as part of other development plans.
Lammers Extension NB	N/O 205	1950	2930	33%	See above.
11th EB	E/O Lammers Road	2510	2780	10%	Projected volumes similar to TMP forecasts. TMP defined system adequate to accommodate volumes. Project will contribute to defined improvements through TMP fees.
11th WB	E/O Lammers Road	1790	1790	0%	Below 5%
New Schulte Road EB	E/O Lammers Road	520	1220	57%	Projected volumes similar to TMP forecasts. TMP defined system adequate to accommodate volumes. Project will contribute to defined improvements through TMP fees.
New Schulte Road WB	E/O Lammers Road	480	770	38%	Projected volumes similar to TMP forecasts. TMP defined system adequate to accommodate volumes. Project will contribute to defined improvements through TMP fees.
Old Schulte Road EB	E/O Lammers Road	30	30	0%	Below 5%
Old Schulte Road WB	E/O Lammers Road	30	30	0%	Below 5%
Valpico EB	E/O Lammers Road	710	800	11%	Projected volumes similar to TMP forecasts. TMP defined system adequate to accommodate volumes. Project will contribute to defined improvements through TMP fees.
Valpico WB	E/O Lammers Road	400	440	9%	Projected volumes similar to TMP forecasts. TMP defined system adequate to accommodate volumes. Project will contribute to defined improvements through TMP fees.

Appendix D
LOS Calculation Worksheets

FEHR PEERS

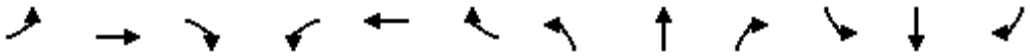
Existing
LOS Calculation Worksheets

FEHR PEERS



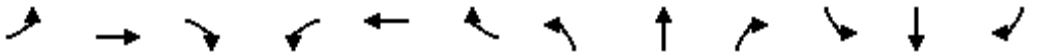
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Volume (vph)	0	0	0	285	1	245	13	105	0	0	341	307
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Total Lost time (s)					4.0	4.0	4.0	4.0			4.0	2.3
Lane Util. Factor					1.00	0.88	1.00	0.95			0.91	1.00
Frpb, ped/bikes					1.00	1.00	1.00	1.00			1.00	0.99
Flpb, ped/bikes					1.00	1.00	1.00	1.00			1.00	1.00
Frt					1.00	0.85	1.00	1.00			1.00	0.85
Flt Protected					0.95	1.00	0.95	1.00			1.00	1.00
Satd. Flow (prot)					1574	2814	1467	3167			4988	1595
Flt Permitted					0.95	1.00	0.95	1.00			1.00	1.00
Satd. Flow (perm)					1574	2814	1467	3167			4988	1595
Peak-hour factor, PHF	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89
Adj. Flow (vph)	0	0	0	320	1	275	15	118	0	0	383	345
RTOR Reduction (vph)	0	0	0	0	0	176	0	0	0	0	0	0
Lane Group Flow (vph)	0	0	0	0	321	99	15	118	0	0	383	345
Confl. Bikes (#/hr)												2
Heavy Vehicles (%)	0%	0%	0%	15%	0%	1%	23%	14%	0%	0%	4%	0%
Turn Type				Perm		Perm	Prot					Free
Protected Phases					8		5	2			6	
Permitted Phases				8		8						Free
Actuated Green, G (s)					14.6	14.6	1.1	18.4			12.8	43.8
Effective Green, g (s)					15.7	15.7	1.6	20.1			14.5	43.8
Actuated g/C Ratio					0.36	0.36	0.04	0.46			0.33	1.00
Clearance Time (s)					5.1	5.1	4.5	5.7			5.7	
Vehicle Extension (s)					3.0	3.0	3.0	3.0			3.0	
Lane Grp Cap (vph)					564	1009	54	1453			1651	1595
v/s Ratio Prot							0.01	0.04			0.08	
v/s Ratio Perm					0.20	0.04						c0.22
v/c Ratio					0.57	0.10	0.28	0.08			0.23	0.22
Uniform Delay, d1					11.3	9.3	20.5	6.7			10.6	0.0
Progression Factor					1.00	1.00	1.00	1.00			1.00	1.00
Incremental Delay, d2					1.3	0.0	2.8	0.0			0.1	0.3
Delay (s)					12.6	9.4	23.3	6.7			10.7	0.3
Level of Service					B	A	C	A			B	A
Approach Delay (s)		0.0			11.1			8.6			5.8	
Approach LOS		A			B			A			A	

Intersection Summary			
HCM Average Control Delay	8.2	HCM Level of Service	A
HCM Volume to Capacity ratio	0.36		
Actuated Cycle Length (s)	43.8	Sum of lost time (s)	4.0
Intersection Capacity Utilization	33.3%	ICU Level of Service	A
Analysis Period (min)	15		
c Critical Lane Group			



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Volume (vph)	60	0	13	0	0	0	0	58	106	0	353	0
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Total Lost time (s)	5.1	5.1	5.1					5.7	5.7		5.7	
Lane Util. Factor	0.95	0.95	1.00					0.95	1.00		0.95	
Frpb, ped/bikes	1.00	1.00	1.00					1.00	1.00		1.00	
Flpb, ped/bikes	1.00	1.00	1.00					1.00	1.00		1.00	
Frt	1.00	1.00	0.85					1.00	0.85		1.00	
Flt Protected	0.95	0.95	1.00					1.00	1.00		1.00	
Satd. Flow (prot)	1715	1715	1404					2959	1009		3112	
Flt Permitted	0.95	0.95	1.00					1.00	1.00		1.00	
Satd. Flow (perm)	1715	1715	1404					2959	1009		3112	
Peak-hour factor, PHF	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90
Adj. Flow (vph)	67	0	14	0	0	0	0	64	118	0	392	0
RTOR Reduction (vph)	0	0	12	0	0	0	0	0	51	0	0	0
Lane Group Flow (vph)	33	34	2	0	0	0	0	64	67	0	392	0
Confl. Bikes (#/hr)												1
Heavy Vehicles (%)	0%	0%	15%	0%	0%	0%	0%	22%	60%	0%	16%	0%
Turn Type	Perm		Perm						Perm			
Protected Phases		4						2			6	
Permitted Phases	4		4						2			
Actuated Green, G (s)	4.8	4.8	4.8					20.6	20.6		20.6	
Effective Green, g (s)	4.8	4.8	4.8					20.6	20.6		20.6	
Actuated g/C Ratio	0.13	0.13	0.13					0.57	0.57		0.57	
Clearance Time (s)	5.1	5.1	5.1					5.7	5.7		5.7	
Vehicle Extension (s)	3.0	3.0	3.0					3.0	3.0		3.0	
Lane Grp Cap (vph)	227	227	186					1684	574		1771	
v/s Ratio Prot								0.02			c0.13	
v/s Ratio Perm	0.02	0.02	0.00						0.07			
v/c Ratio	0.15	0.15	0.01					0.04	0.12		0.22	
Uniform Delay, d1	13.9	13.9	13.6					3.4	3.6		3.8	
Progression Factor	1.00	1.00	1.00					1.00	1.00		1.00	
Incremental Delay, d2	0.3	0.3	0.0					0.0	0.1		0.1	
Delay (s)	14.2	14.2	13.7					3.4	3.7		3.9	
Level of Service	B	B	B					A	A		A	
Approach Delay (s)		14.1			0.0			3.6			3.9	
Approach LOS		B			A			A			A	

Intersection Summary			
HCM Average Control Delay	5.1	HCM Level of Service	A
HCM Volume to Capacity ratio	0.21		
Actuated Cycle Length (s)	36.2	Sum of lost time (s)	10.8
Intersection Capacity Utilization	25.7%	ICU Level of Service	A
Analysis Period (min)	15		
c Critical Lane Group			



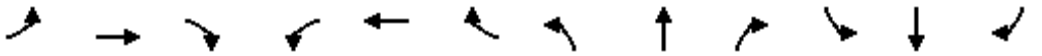
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Volume (vph)	16	17	46	240	47	90	66	43	95	97	115	36
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Total Lost time (s)	7.5	7.5	7.5	7.5	7.5		7.5	7.5	7.5	7.5	7.5	7.5
Lane Util. Factor	1.00	0.95	1.00	0.97	1.00		1.00	0.95	1.00	0.97	0.95	1.00
Frpb, ped/bikes	1.00	1.00	1.00	1.00	0.99		1.00	1.00	0.99	1.00	1.00	1.00
Flpb, ped/bikes	1.00	1.00	1.00	1.00	1.00		1.00	1.00	1.00	1.00	1.00	1.00
Frt	1.00	1.00	0.85	1.00	0.90		1.00	1.00	0.85	1.00	1.00	0.85
Flt Protected	0.95	1.00	1.00	0.95	1.00		0.95	1.00	1.00	0.95	1.00	1.00
Satd. Flow (prot)	1444	2911	1429	3072	1094		1444	2714	1029	2382	2820	1214
Flt Permitted	0.95	1.00	1.00	0.95	1.00		0.95	1.00	1.00	0.95	1.00	1.00
Satd. Flow (perm)	1444	2911	1429	3072	1094		1444	2714	1029	2382	2820	1214
Peak-hour factor, PHF	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88
Adj. Flow (vph)	18	19	52	273	53	102	75	49	108	110	131	41
RTOR Reduction (vph)	0	0	47	0	32	0	0	0	91	0	0	31
Lane Group Flow (vph)	18	19	5	273	123	0	75	49	17	110	131	10
Confl. Peds. (#/hr)	2					2			1	1		
Heavy Vehicles (%)	25%	24%	13%	14%	38%	64%	25%	33%	55%	47%	28%	33%
Turn Type	Prot		Perm	Prot			Prot		Perm	Prot		Perm
Protected Phases	7	4		3	8		5	2		1	6	
Permitted Phases			4						2			6
Actuated Green, G (s)	2.9	7.6	7.6	16.6	21.3		8.3	12.7	12.7	15.3	19.7	19.7
Effective Green, g (s)	2.9	7.6	7.6	16.6	21.3		8.3	12.7	12.7	15.3	19.7	19.7
Actuated g/C Ratio	0.04	0.09	0.09	0.20	0.26		0.10	0.15	0.15	0.19	0.24	0.24
Clearance Time (s)	7.5	7.5	7.5	7.5	7.5		7.5	7.5	7.5	7.5	7.5	7.5
Vehicle Extension (s)	3.0	3.0	3.0	3.0	3.0		3.0	3.0	3.0	3.0	3.0	3.0
Lane Grp Cap (vph)	51	269	132	620	283		146	419	159	443	676	291
v/s Ratio Prot	0.01	0.01		c0.09	c0.11		c0.05	0.02		0.05	c0.05	
v/s Ratio Perm			0.00						0.02			0.01
v/c Ratio	0.35	0.07	0.04	0.44	0.44		0.51	0.12	0.10	0.25	0.19	0.03
Uniform Delay, d1	38.7	34.1	34.0	28.7	25.4		35.0	29.9	29.9	28.5	24.9	24.0
Progression Factor	1.00	1.00	1.00	1.00	1.00		1.00	1.00	1.00	1.00	1.00	1.00
Incremental Delay, d2	4.2	0.1	0.1	0.5	1.1		3.0	0.1	0.3	0.3	0.1	0.0
Delay (s)	42.9	34.2	34.1	29.2	26.5		38.1	30.0	30.2	28.8	25.1	24.0
Level of Service	D	C	C	C	C		D	C	C	C	C	C
Approach Delay (s)		35.9			28.2			32.7			26.4	
Approach LOS		D			C			C			C	

Intersection Summary			
HCM Average Control Delay	29.4	HCM Level of Service	C
HCM Volume to Capacity ratio	0.40		
Actuated Cycle Length (s)	82.2	Sum of lost time (s)	30.0
Intersection Capacity Utilization	44.5%	ICU Level of Service	A
Analysis Period (min)	15		
c Critical Lane Group			

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Volume (veh/h)	15	85	0	0	216	185	53	0	119	0	0	0
Sign Control		Free			Free			Stop			Stop	
Grade		0%			0%			0%			0%	
Peak Hour Factor	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85
Hourly flow rate (vph)	18	100	0	0	254	218	62	0	140	0	0	0
Pedestrians												
Lane Width (ft)												
Walking Speed (ft/s)												
Percent Blockage												
Right turn flare (veh)									3			
Median type		None			None							
Median storage veh)												
Upstream signal (ft)					1190							
pX, platoon unblocked												
vC, conflicting volume	254			100			389	389	100	389	389	254
vC1, stage 1 conf vol												
vC2, stage 2 conf vol												
vCu, unblocked vol	254			100			389	389	100	389	389	254
tC, single (s)	4.1			4.1			7.1	6.5	6.6	7.1	6.5	6.2
tC, 2 stage (s)												
tF (s)	2.2			2.2			3.5	4.0	3.7	3.5	4.0	3.3
p0 queue free %	99			100			89	100	84	100	100	100
cM capacity (veh/h)	1323			1505			567	542	859	475	542	789

Direction, Lane #	EB 1	WB 1	WB 2	NB 1
Volume Total	118	254	218	202
Volume Left	18	0	0	62
Volume Right	0	0	218	140
cSH	1323	1700	1700	1241
Volume to Capacity	0.01	0.15	0.13	0.16
Queue Length 95th (ft)	1	0	0	15
Control Delay (s)	1.3	0.0	0.0	10.7
Lane LOS	A			B
Approach Delay (s)	1.3	0.0		10.7
Approach LOS				B

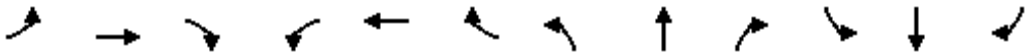
Intersection Summary			
Average Delay	2.9		
Intersection Capacity Utilization	30.1%	ICU Level of Service	A
Analysis Period (min)	15		



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Volume (veh/h)	0	32	12	63	206	0	0	0	0	68	1	11
Sign Control		Free			Free			Stop			Stop	
Grade		0%			0%			0%			0%	
Peak Hour Factor	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86
Hourly flow rate (vph)	0	37	14	73	240	0	0	0	0	79	1	13
Pedestrians												
Lane Width (ft)												
Walking Speed (ft/s)												
Percent Blockage												
Right turn flare (veh)												2
Median type		None			None							
Median storage veh)												
Upstream signal (ft)												
pX, platoon unblocked												
vC, conflicting volume	240			51			431	430	44	430	437	240
vC1, stage 1 conf vol												
vC2, stage 2 conf vol												
vCu, unblocked vol	240			51			431	430	44	430	437	240
tC, single (s)	4.1			4.6			7.1	6.5	6.2	7.6	6.5	6.4
tC, 2 stage (s)												
tF (s)	2.2			2.7			3.5	4.0	3.3	3.9	4.0	3.5
p0 queue free %	100			94			100	100	100	82	100	98
cM capacity (veh/h)	1339			1292			505	491	1032	446	487	762

Direction, Lane #	EB 1	WB 1	SB 1
Volume Total	51	313	93
Volume Left	0	73	79
Volume Right	14	0	13
cSH	1700	1292	518
Volume to Capacity	0.03	0.06	0.18
Queue Length 95th (ft)	0	5	16
Control Delay (s)	0.0	2.3	14.1
Lane LOS		A	B
Approach Delay (s)	0.0	2.3	14.1
Approach LOS			B

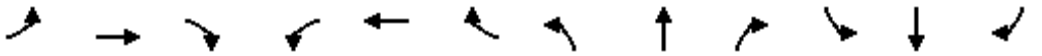
Intersection Summary				
Average Delay	4.4			
Intersection Capacity Utilization	31.5%	ICU Level of Service	A	
Analysis Period (min)	15			



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Sign Control		Stop			Stop			Stop			Stop	
Volume (vph)	3	54	15	2	255	34	24	3	7	34	2	13
Peak Hour Factor	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87
Hourly flow rate (vph)	3	62	17	2	293	39	28	3	8	39	2	15

Direction, Lane #	EB 1	EB 2	WB 1	NB 1	NB 2	SB 1
Volume Total (vph)	66	17	334	28	11	56
Volume Left (vph)	3	0	2	28	0	39
Volume Right (vph)	0	17	39	0	8	15
Hadj (s)	0.06	-0.67	-0.03	0.53	-0.46	0.01
Departure Headway (s)	5.1	4.4	4.8	6.1	5.2	5.6
Degree Utilization, x	0.09	0.02	0.45	0.05	0.02	0.09
Capacity (veh/h)	679	782	725	543	640	590
Control Delay (s)	7.5	6.3	11.7	8.2	7.0	9.2
Approach Delay (s)	7.2		11.7	7.9		9.2
Approach LOS	A		B	A		A

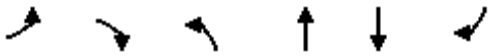
Intersection Summary				
Delay	10.4			
HCM Level of Service	B			
Intersection Capacity Utilization	33.2%	ICU Level of Service	A	
Analysis Period (min)	15			



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Volume (vph)	23	237	89	300	937	78	120	137	369	53	120	76
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Total Lost time (s)	5.5	6.1	6.1	5.5	6.1	6.1	5.5	6.1	6.1	5.5	6.1	6.1
Lane Util. Factor	0.97	0.91	1.00	1.00	0.91	1.00	0.97	0.95	1.00	0.97	1.00	1.00
Frpb, ped/bikes	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.98	1.00	1.00	1.00
Flpb, ped/bikes	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Frt	1.00	1.00	0.85	1.00	1.00	0.85	1.00	1.00	0.85	1.00	1.00	0.85
Flt Protected	0.95	1.00	1.00	0.95	1.00	1.00	0.95	1.00	1.00	0.95	1.00	1.00
Satd. Flow (prot)	3433	5085	1583	1770	5085	1583	3433	3539	1551	3433	1863	1583
Flt Permitted	0.95	1.00	1.00	0.95	1.00	1.00	0.95	1.00	1.00	0.95	1.00	1.00
Satd. Flow (perm)	3433	5085	1583	1770	5085	1583	3433	3539	1551	3433	1863	1583
Peak-hour factor, PHF	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86
Adj. Flow (vph)	27	276	103	349	1090	91	140	159	429	62	140	88
RTOR Reduction (vph)	0	0	90	0	0	53	0	0	374	0	0	75
Lane Group Flow (vph)	27	276	13	349	1090	38	140	159	55	62	140	13
Confl. Peds. (#/hr)									14	14		
Turn Type	Prot		Perm	Prot		Perm	Prot		Perm	Prot		Perm
Protected Phases	5	2		1	6		7	4		3	8	
Permitted Phases			2			6			4			8
Actuated Green, G (s)	3.1	10.2	10.2	27.3	34.4	34.4	9.0	10.5	10.5	10.3	11.8	11.8
Effective Green, g (s)	3.1	10.2	10.2	27.3	34.4	34.4	9.0	10.5	10.5	10.3	11.8	11.8
Actuated g/C Ratio	0.04	0.13	0.13	0.33	0.42	0.42	0.11	0.13	0.13	0.13	0.14	0.14
Clearance Time (s)	5.5	6.1	6.1	5.5	6.1	6.1	5.5	6.1	6.1	5.5	6.1	6.1
Vehicle Extension (s)	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
Lane Grp Cap (vph)	131	636	198	593	2146	668	379	456	200	434	270	229
v/s Ratio Prot	0.01	0.05		c0.20	c0.21		c0.04	0.04		0.02	c0.08	
v/s Ratio Perm			0.01			0.02			0.04			0.01
v/c Ratio	0.21	0.43	0.07	0.59	0.51	0.06	0.37	0.35	0.28	0.14	0.52	0.06
Uniform Delay, d1	38.0	33.0	31.4	22.4	17.3	13.9	33.6	32.4	32.1	31.7	32.2	30.0
Progression Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Incremental Delay, d2	0.8	0.5	0.1	1.5	0.2	0.0	0.6	0.5	0.8	0.2	1.7	0.1
Delay (s)	38.8	33.5	31.6	23.9	17.5	14.0	34.2	32.8	32.8	31.8	33.9	30.1
Level of Service	D	C	C	C	B	B	C	C	C	C	C	C
Approach Delay (s)		33.3			18.8			33.1			32.3	
Approach LOS		C			B			C			C	

Intersection Summary			
HCM Average Control Delay	25.6	HCM Level of Service	C
HCM Volume to Capacity ratio	0.56		
Actuated Cycle Length (s)	81.5	Sum of lost time (s)	23.2
Intersection Capacity Utilization	60.7%	ICU Level of Service	B
Analysis Period (min)	15		

c Critical Lane Group



Movement	EBL	EBR	NBL	NBT	SBT	SBR
Lane Configurations						
Sign Control	Stop			Stop	Stop	
Volume (vph)	39	36	208	423	221	70
Peak Hour Factor	0.87	0.87	0.87	0.87	0.87	0.87
Hourly flow rate (vph)	45	41	239	486	254	80

Direction, Lane #	EB 1	NB 1	SB 1
Volume Total (vph)	86	725	334
Volume Left (vph)	45	239	0
Volume Right (vph)	41	0	80
Hadj (s)	-0.15	0.10	-0.11
Departure Headway (s)	6.2	4.7	4.9
Degree Utilization, x	0.15	0.95	0.46
Capacity (veh/h)	556	756	721
Control Delay (s)	10.2	41.8	12.0
Approach Delay (s)	10.2	41.8	12.0
Approach LOS	B	E	B

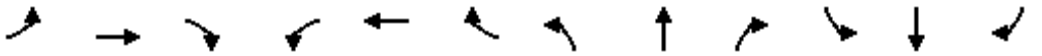
Intersection Summary			
Delay	30.7		
HCM Level of Service	D		
Intersection Capacity Utilization	64.0%	ICU Level of Service	C
Analysis Period (min)	15		



Movement	WBL	WBR	NBT	NBR	SBL	SBT
Lane Configurations						
Volume (veh/h)	6	403	6	8	174	8
Sign Control	Stop		Free			Free
Grade	0%		0%			0%
Peak Hour Factor	0.88	0.88	0.88	0.88	0.88	0.88
Hourly flow rate (vph)	7	458	7	9	198	9
Pedestrians						
Lane Width (ft)						
Walking Speed (ft/s)						
Percent Blockage						
Right turn flare (veh)						
Median type			None			None
Median storage veh)						
Upstream signal (ft)						
pX, platoon unblocked						
vC, conflicting volume	416	11			16	
vC1, stage 1 conf vol						
vC2, stage 2 conf vol						
vCu, unblocked vol	416	11			16	
tC, single (s)	6.4	6.2			4.1	
tC, 2 stage (s)						
tF (s)	3.5	3.3			2.2	
p0 queue free %	99	57			88	
cM capacity (veh/h)	520	1069			1602	

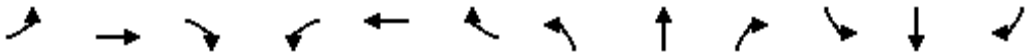
Direction, Lane #	WB 1	NB 1	SB 1
Volume Total	465	16	207
Volume Left	7	0	198
Volume Right	458	9	0
cSH	1053	1700	1602
Volume to Capacity	0.44	0.01	0.12
Queue Length 95th (ft)	57	0	11
Control Delay (s)	11.1	0.0	7.3
Lane LOS	B		A
Approach Delay (s)	11.1	0.0	7.3
Approach LOS	B		

Intersection Summary			
Average Delay		9.7	
Intersection Capacity Utilization		48.7%	ICU Level of Service A
Analysis Period (min)		15	



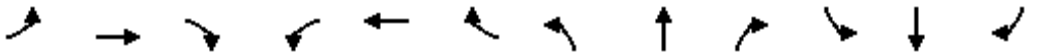
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Volume (vph)	0	0	0	138	0	255	10	333	0	0	261	86
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Total Lost time (s)					4.0	4.0	4.0	4.0			4.0	2.3
Lane Util. Factor					1.00	0.88	1.00	0.95			0.91	1.00
Frpb, ped/bikes					1.00	1.00	1.00	1.00			1.00	1.00
Flpb, ped/bikes					1.00	1.00	1.00	1.00			1.00	1.00
Frt					1.00	0.85	1.00	1.00			1.00	0.85
Flt Protected					0.95	1.00	0.95	1.00			1.00	1.00
Satd. Flow (prot)					1570	2842	1641	3539			5136	1599
Flt Permitted					0.95	1.00	0.95	1.00			1.00	1.00
Satd. Flow (perm)					1570	2842	1641	3539			5136	1599
Peak-hour factor, PHF	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93
Adj. Flow (vph)	0	0	0	148	0	274	11	358	0	0	281	92
RTOR Reduction (vph)	0	0	0	0	0	199	0	0	0	0	0	0
Lane Group Flow (vph)	0	0	0	0	148	75	11	358	0	0	281	92
Confl. Bikes (#/hr)									2			
Heavy Vehicles (%)	0%	0%	0%	15%	0%	0%	10%	2%	0%	0%	1%	1%
Turn Type				Perm		Perm	Prot					Free
Protected Phases					8		5	2			6	
Permitted Phases				8		8						Free
Actuated Green, G (s)					9.3	9.3	1.2	18.0			12.3	38.1
Effective Green, g (s)					10.4	10.4	1.7	19.7			14.0	38.1
Actuated g/C Ratio					0.27	0.27	0.04	0.52			0.37	1.00
Clearance Time (s)					5.1	5.1	4.5	5.7			5.7	
Vehicle Extension (s)					3.0	3.0	3.0	3.0			3.0	
Lane Grp Cap (vph)					429	776	73	1830			1887	1599
v/s Ratio Prot							0.01	c0.10			0.05	
v/s Ratio Perm					0.09	0.03						0.06
v/c Ratio					0.34	0.10	0.15	0.20			0.15	0.06
Uniform Delay, d1					11.1	10.3	17.5	4.9			8.1	0.0
Progression Factor					1.00	1.00	1.00	1.00			1.00	1.00
Incremental Delay, d2					0.5	0.1	1.0	0.1			0.0	0.1
Delay (s)					11.6	10.4	18.5	5.0			8.1	0.1
Level of Service					B	B	B	A			A	A
Approach Delay (s)		0.0			10.8			5.4			6.1	
Approach LOS		A			B			A			A	

Intersection Summary			
HCM Average Control Delay	7.6	HCM Level of Service	A
HCM Volume to Capacity ratio	0.25		
Actuated Cycle Length (s)	38.1	Sum of lost time (s)	8.0
Intersection Capacity Utilization	25.6%	ICU Level of Service	A
Analysis Period (min)	15		
c Critical Lane Group			



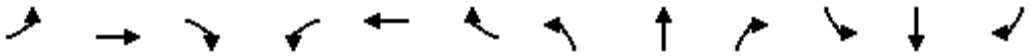
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Volume (vph)	263	5	26	0	0	0	0	80	335	0	189	0
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Total Lost time (s)	5.1	5.1	5.1					5.7	5.7		5.7	
Lane Util. Factor	0.95	0.95	1.00					0.95	1.00		0.95	
Frpb, ped/bikes	1.00	1.00	1.00					1.00	0.98		1.00	
Flpb, ped/bikes	1.00	1.00	1.00					1.00	1.00		1.00	
Frt	1.00	1.00	0.85					1.00	0.85		1.00	
Flt Protected	0.95	0.95	1.00					1.00	1.00		1.00	
Satd. Flow (prot)	1715	1722	1495					3343	1437		3195	
Flt Permitted	0.95	0.95	1.00					1.00	1.00		1.00	
Satd. Flow (perm)	1715	1722	1495					3343	1437		3195	
Peak-hour factor, PHF	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87
Adj. Flow (vph)	302	6	30	0	0	0	0	92	385	0	217	0
RTOR Reduction (vph)	0	0	22	0	0	0	0	0	234	0	0	0
Lane Group Flow (vph)	154	154	8	0	0	0	0	92	151	0	217	0
Confl. Bikes (#/hr)									1			
Heavy Vehicles (%)	0%	0%	8%	0%	0%	0%	0%	8%	10%	0%	13%	0%
Turn Type	Perm		Perm						Perm			
Protected Phases		4						2			6	
Permitted Phases	4		4						2			
Actuated Green, G (s)	8.6	8.6	8.6					12.5	12.5		12.5	
Effective Green, g (s)	8.6	8.6	8.6					12.5	12.5		12.5	
Actuated g/C Ratio	0.27	0.27	0.27					0.39	0.39		0.39	
Clearance Time (s)	5.1	5.1	5.1					5.7	5.7		5.7	
Vehicle Extension (s)	3.0	3.0	3.0					3.0	3.0		3.0	
Lane Grp Cap (vph)	462	464	403					1310	563		1252	
v/s Ratio Prot								0.03			0.07	
v/s Ratio Perm	c0.09	0.09	0.01						c0.10			
v/c Ratio	0.33	0.33	0.02					0.07	0.27		0.17	
Uniform Delay, d1	9.3	9.3	8.6					6.1	6.6		6.3	
Progression Factor	1.00	1.00	1.00					1.00	1.00		1.00	
Incremental Delay, d2	0.4	0.4	0.0					0.0	0.3		0.1	
Delay (s)	9.8	9.8	8.6					6.1	6.8		6.4	
Level of Service	A	A	A					A	A		A	
Approach Delay (s)		9.7			0.0			6.7			6.4	
Approach LOS		A			A			A			A	

Intersection Summary			
HCM Average Control Delay	7.6	HCM Level of Service	A
HCM Volume to Capacity ratio	0.29		
Actuated Cycle Length (s)	31.9	Sum of lost time (s)	10.8
Intersection Capacity Utilization	37.2%	ICU Level of Service	A
Analysis Period (min)	15		
c Critical Lane Group			



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Volume (vph)	56	35	99	92	33	123	59	112	299	111	60	18
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Total Lost time (s)	4.0	4.0	4.0	4.0	4.0		4.0	4.0	4.0	4.0	4.0	4.0
Lane Util. Factor	1.00	0.95	1.00	0.97	1.00		1.00	0.95	1.00	0.97	0.95	1.00
Frt	1.00	1.00	0.85	1.00	0.88		1.00	1.00	0.85	1.00	1.00	0.85
Flt Protected	0.95	1.00	1.00	0.95	1.00		0.95	1.00	1.00	0.95	1.00	1.00
Satd. Flow (prot)	1597	3505	1553	2779	1471		1612	3471	1509	3072	3139	1077
Flt Permitted	0.64	1.00	1.00	0.73	1.00		0.71	1.00	1.00	0.67	1.00	1.00
Satd. Flow (perm)	1079	3505	1553	2132	1471		1202	3471	1509	2161	3139	1077
Peak-hour factor, PHF	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85
Adj. Flow (vph)	66	41	116	108	39	145	69	132	352	131	71	21
RTOR Reduction (vph)	0	0	70	0	87	0	0	0	211	0	0	13
Lane Group Flow (vph)	66	41	46	108	97	0	69	132	141	131	71	8
Heavy Vehicles (%)	13%	3%	4%	26%	6%	16%	12%	4%	7%	14%	15%	50%
Turn Type	Perm		Perm	Perm			Perm		Perm	Perm		Perm
Protected Phases		4			8			2			6	
Permitted Phases	4		4	8			2		2	6		6
Actuated Green, G (s)	16.0	16.0	16.0	16.0	16.0		16.0	16.0	16.0	16.0	16.0	16.0
Effective Green, g (s)	16.0	16.0	16.0	16.0	16.0		16.0	16.0	16.0	16.0	16.0	16.0
Actuated g/C Ratio	0.40	0.40	0.40	0.40	0.40		0.40	0.40	0.40	0.40	0.40	0.40
Clearance Time (s)	4.0	4.0	4.0	4.0	4.0		4.0	4.0	4.0	4.0	4.0	4.0
Lane Grp Cap (vph)	432	1402	621	853	588		481	1388	604	864	1256	431
v/s Ratio Prot		0.01			c0.07			0.04			0.02	
v/s Ratio Perm	0.06		0.03	0.05			0.06		c0.09	0.06		0.01
v/c Ratio	0.15	0.03	0.07	0.13	0.16		0.14	0.10	0.23	0.15	0.06	0.02
Uniform Delay, d1	7.7	7.3	7.4	7.6	7.7		7.6	7.5	7.9	7.7	7.4	7.3
Progression Factor	1.00	1.00	1.00	1.00	1.00		1.00	1.00	1.00	0.61	0.50	0.81
Incremental Delay, d2	0.7	0.0	0.2	0.3	0.6		0.6	0.1	0.9	0.4	0.1	0.1
Delay (s)	8.4	7.3	7.7	7.9	8.3		8.3	7.6	8.8	5.1	3.8	6.0
Level of Service	A	A	A	A	A		A	A	A	A	A	A
Approach Delay (s)		7.8			8.2			8.5			4.7	
Approach LOS		A			A			A			A	

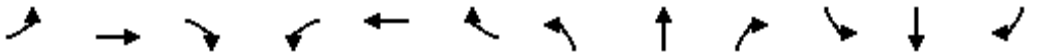
Intersection Summary			
HCM Average Control Delay	7.6	HCM Level of Service	A
HCM Volume to Capacity ratio	0.20		
Actuated Cycle Length (s)	40.0	Sum of lost time (s)	8.0
Intersection Capacity Utilization	35.2%	ICU Level of Service	A
Analysis Period (min)	15		
c Critical Lane Group			



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Volume (veh/h)	8	397	0	0	151	100	6	1	73	0	0	0
Sign Control		Free			Free			Stop			Stop	
Grade		0%			0%			0%			0%	
Peak Hour Factor	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93
Hourly flow rate (vph)	9	427	0	0	162	108	6	1	78	0	0	0
Pedestrians												
Lane Width (ft)												
Walking Speed (ft/s)												
Percent Blockage												
Right turn flare (veh)									3			
Median type		None			None							
Median storage veh)												
Upstream signal (ft)					1190							
pX, platoon unblocked												
vC, conflicting volume	162			427			606	606	427	607	606	162
vC1, stage 1 conf vol												
vC2, stage 2 conf vol												
vCu, unblocked vol	162			427			606	606	427	607	606	162
tC, single (s)	4.1			4.1			7.1	6.5	6.3	7.1	6.5	6.2
tC, 2 stage (s)												
tF (s)	2.2			2.2			3.5	4.0	3.4	3.5	4.0	3.3
p0 queue free %	99			100			98	100	87	100	100	100
cM capacity (veh/h)	1429			1143			410	411	611	356	411	888

Direction, Lane #	EB 1	WB 1	WB 2	NB 1
Volume Total	435	162	108	86
Volume Left	9	0	0	6
Volume Right	0	0	108	78
cSH	1429	1700	1700	670
Volume to Capacity	0.01	0.10	0.06	0.13
Queue Length 95th (ft)	0	0	0	11
Control Delay (s)	0.2	0.0	0.0	11.9
Lane LOS	A			B
Approach Delay (s)	0.2	0.0		11.9
Approach LOS				B

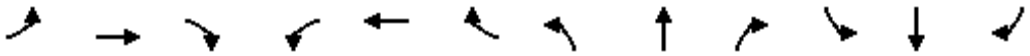
Intersection Summary			
Average Delay	1.4		
Intersection Capacity Utilization	40.9%	ICU Level of Service	A
Analysis Period (min)	15		



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Volume (veh/h)	0	187	142	136	21	0	0	0	0	218	4	68
Sign Control		Free			Free			Stop			Stop	
Grade		0%			0%			0%			0%	
Peak Hour Factor	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91
Hourly flow rate (vph)	0	205	156	149	23	0	0	0	0	240	4	75
Pedestrians												
Lane Width (ft)												
Walking Speed (ft/s)												
Percent Blockage												
Right turn flare (veh)												2
Median type		None			None							
Median storage veh)												
Upstream signal (ft)												
pX, platoon unblocked												
vC, conflicting volume	23			362			608	605	284	605	684	23
vC1, stage 1 conf vol												
vC2, stage 2 conf vol												
vCu, unblocked vol	23			362			608	605	284	605	684	23
tC, single (s)	4.1			4.2			7.1	6.5	6.2	7.2	6.8	6.2
tC, 2 stage (s)												
tF (s)	2.2			2.3			3.5	4.0	3.3	3.6	4.2	3.3
p0 queue free %	100			87			100	100	100	33	99	93
cM capacity (veh/h)	1605			1154			340	361	760	360	299	1060

Direction, Lane #	EB 1	WB 1	SB 1
Volume Total	362	173	319
Volume Left	0	149	240
Volume Right	156	0	75
cSH	1700	1154	454
Volume to Capacity	0.21	0.13	0.70
Queue Length 95th (ft)	0	11	134
Control Delay (s)	0.0	7.6	29.6
Lane LOS		A	D
Approach Delay (s)	0.0	7.6	29.6
Approach LOS			D

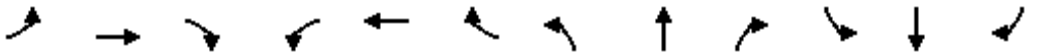
Intersection Summary				
Average Delay	12.6			
Intersection Capacity Utilization	49.4%	ICU Level of Service	A	
Analysis Period (min)	15			



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Sign Control		Stop			Stop			Stop			Stop	
Volume (vph)	12	336	42	8	84	23	81	19	16	18	16	5
Peak Hour Factor	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85
Hourly flow rate (vph)	14	395	49	9	99	27	95	22	19	21	19	6

Direction, Lane #	EB 1	EB 2	WB 1	NB 1	NB 2	SB 1
Volume Total (vph)	409	49	135	95	41	46
Volume Left (vph)	14	0	9	95	0	21
Volume Right (vph)	0	49	27	0	19	6
Hadj (s)	0.05	-0.67	-0.07	0.53	-0.29	0.05
Departure Headway (s)	5.3	4.6	5.6	6.7	5.8	6.4
Degree Utilization, x	0.60	0.06	0.21	0.18	0.07	0.08
Capacity (veh/h)	660	760	613	502	565	510
Control Delay (s)	14.8	6.7	10.1	9.9	8.0	9.9
Approach Delay (s)	13.9		10.1	9.3		9.9
Approach LOS	B		B	A		A

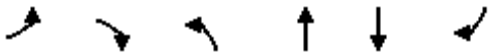
Intersection Summary				
Delay	12.2			
HCM Level of Service	B			
Intersection Capacity Utilization	36.4%	ICU Level of Service		A
Analysis Period (min)	15			



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Volume (vph)	115	1125	86	109	401	78	37	101	201	64	123	29
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Total Lost time (s)	5.5	6.1	6.1	5.5	6.1	6.1	5.5	6.1	6.1	5.5	6.1	6.1
Lane Util. Factor	0.97	0.91	1.00	1.00	0.91	1.00	0.97	0.95	1.00	0.97	1.00	1.00
Frt	1.00	1.00	0.85	1.00	1.00	0.85	1.00	1.00	0.85	1.00	1.00	0.85
Flt Protected	0.95	1.00	1.00	0.95	1.00	1.00	0.95	1.00	1.00	0.95	1.00	1.00
Satd. Flow (prot)	3433	5085	1583	1770	5085	1583	3433	3539	1583	3433	1863	1583
Flt Permitted	0.95	1.00	1.00	0.95	1.00	1.00	0.95	1.00	1.00	0.95	1.00	1.00
Satd. Flow (perm)	3433	5085	1583	1770	5085	1583	3433	3539	1583	3433	1863	1583
Peak-hour factor, PHF	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89
Adj. Flow (vph)	129	1264	97	122	451	88	42	113	226	72	138	33
RTOR Reduction (vph)	0	0	61	0	0	75	0	0	204	0	0	27
Lane Group Flow (vph)	129	1264	36	122	451	13	42	113	22	72	138	6
Turn Type	Prot		Perm	Prot		Perm	Prot		Perm	Prot		Perm
Protected Phases	5	2		1	6		7	4		3	8	
Permitted Phases			2			6			4			8
Actuated Green, G (s)	30.3	32.2	32.2	11.4	13.3	13.3	4.0	8.6	8.6	11.5	16.1	16.1
Effective Green, g (s)	30.3	32.2	32.2	11.4	13.3	13.3	4.0	8.6	8.6	11.5	16.1	16.1
Actuated g/C Ratio	0.35	0.37	0.37	0.13	0.15	0.15	0.05	0.10	0.10	0.13	0.19	0.19
Clearance Time (s)	5.5	6.1	6.1	5.5	6.1	6.1	5.5	6.1	6.1	5.5	6.1	6.1
Vehicle Extension (s)	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
Lane Grp Cap (vph)	1197	1884	587	232	778	242	158	350	157	454	345	293
v/s Ratio Prot	0.04	c0.25		c0.07	0.09		c0.01	0.03		0.02	c0.07	
v/s Ratio Perm			0.02			0.01			0.01			0.00
v/c Ratio	0.11	0.67	0.06	0.53	0.58	0.06	0.27	0.32	0.14	0.16	0.40	0.02
Uniform Delay, d1	19.2	22.9	17.6	35.2	34.2	31.4	40.0	36.4	35.8	33.4	31.1	29.0
Progression Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Incremental Delay, d2	0.0	1.0	0.0	2.1	1.1	0.1	0.9	0.5	0.4	0.2	0.8	0.0
Delay (s)	19.2	23.9	17.7	37.4	35.3	31.5	40.9	37.0	36.2	33.6	31.9	29.0
Level of Service	B	C	B	D	D	C	D	D	D	C	C	C
Approach Delay (s)		23.1			35.2			37.0			32.0	
Approach LOS		C			D			D			C	

Intersection Summary			
HCM Average Control Delay	28.6	HCM Level of Service	C
HCM Volume to Capacity ratio	0.55		
Actuated Cycle Length (s)	86.9	Sum of lost time (s)	23.2
Intersection Capacity Utilization	58.4%	ICU Level of Service	B
Analysis Period (min)	15		

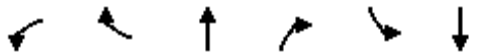
c Critical Lane Group



Movement	EBL	EBR	NBL	NBT	SBT	SBR
Lane Configurations						
Sign Control	Stop			Stop	Stop	
Volume (vph)	75	297	67	119	211	25
Peak Hour Factor	0.98	0.98	0.98	0.98	0.98	0.98
Hourly flow rate (vph)	77	303	68	121	215	26

Direction, Lane #	EB 1	NB 1	SB 1
Volume Total (vph)	380	190	241
Volume Left (vph)	77	68	0
Volume Right (vph)	303	0	26
Hadj (s)	-0.40	0.11	-0.03
Departure Headway (s)	4.6	5.3	5.1
Degree Utilization, x	0.49	0.28	0.34
Capacity (veh/h)	737	633	659
Control Delay (s)	11.9	10.3	10.7
Approach Delay (s)	11.9	10.3	10.7
Approach LOS	B	B	B

Intersection Summary			
Delay	11.2		
HCM Level of Service	B		
Intersection Capacity Utilization	55.1%	ICU Level of Service	B
Analysis Period (min)	15		



Movement	WBL	WBR	NBT	NBR	SBL	SBT
Lane Configurations						
Volume (veh/h)	9	135	5	7	367	6
Sign Control	Stop		Free			Free
Grade	0%		0%			0%
Peak Hour Factor	0.96	0.96	0.96	0.96	0.96	0.96
Hourly flow rate (vph)	9	141	5	7	382	6
Pedestrians						
Lane Width (ft)						
Walking Speed (ft/s)						
Percent Blockage						
Right turn flare (veh)						
Median type			None			None
Median storage veh)						
Upstream signal (ft)						
pX, platoon unblocked						
vC, conflicting volume	780	9			12	
vC1, stage 1 conf vol						
vC2, stage 2 conf vol						
vCu, unblocked vol	780	9			12	
tC, single (s)	6.4	6.2			4.1	
tC, 2 stage (s)						
tF (s)	3.5	3.3			2.2	
p0 queue free %	97	87			76	
cM capacity (veh/h)	277	1073			1606	

Direction, Lane #	WB 1	NB 1	SB 1
Volume Total	150	12	389
Volume Left	9	0	382
Volume Right	141	7	0
cSH	910	1700	1606
Volume to Capacity	0.16	0.01	0.24
Queue Length 95th (ft)	15	0	23
Control Delay (s)	9.7	0.0	7.8
Lane LOS	A		A
Approach Delay (s)	9.7	0.0	7.8
Approach LOS	A		

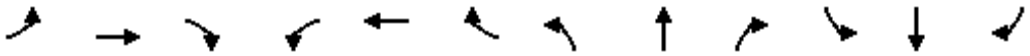
Intersection Summary			
Average Delay		8.2	
Intersection Capacity Utilization		42.8%	ICU Level of Service A
Analysis Period (min)		15	

Existing Plus Phase 1
LOS Calculation Worksheets

FEHR PEERS

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Volume (vph)	0	0	0	1330	10	250	50	190	0	0	640	310
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Total Lost time (s)					4.0	4.0	4.0	4.0			4.0	2.3
Lane Util. Factor					1.00	0.88	1.00	0.95			0.91	1.00
Frpb, ped/bikes					1.00	1.00	1.00	1.00			1.00	0.99
Flpb, ped/bikes					1.00	1.00	1.00	1.00			1.00	1.00
Frt					1.00	0.85	1.00	1.00			1.00	0.85
Flt Protected					0.95	1.00	0.95	1.00			1.00	1.00
Satd. Flow (prot)					1576	2814	1467	3167			4988	1595
Flt Permitted					0.95	1.00	0.95	1.00			1.00	1.00
Satd. Flow (perm)					1576	2814	1467	3167			4988	1595
Peak-hour factor, PHF	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89
Adj. Flow (vph)	0	0	0	1494	11	281	56	213	0	0	719	348
RTOR Reduction (vph)	0	0	0	0	0	49	0	0	0	0	0	0
Lane Group Flow (vph)	0	0	0	0	1505	232	56	213	0	0	719	348
Confl. Bikes (#/hr)												2
Heavy Vehicles (%)	0%	0%	0%	15%	0%	1%	23%	14%	0%	0%	4%	0%
Turn Type				Perm		Perm	Prot					Free
Protected Phases					8		5	2			6	
Permitted Phases				8		8						Free
Actuated Green, G (s)					102.9	102.9	7.6	36.3			24.2	150.0
Effective Green, g (s)					104.0	104.0	8.1	38.0			25.9	150.0
Actuated g/C Ratio					0.69	0.69	0.05	0.25			0.17	1.00
Clearance Time (s)					5.1	5.1	4.5	5.7			5.7	
Vehicle Extension (s)					3.0	3.0	3.0	3.0			3.0	
Lane Grp Cap (vph)					1093	1951	79	802			861	1595
v/s Ratio Prot							c0.04	0.07			c0.14	
v/s Ratio Perm					0.96	0.08						0.22
v/c Ratio					1.38	0.12	0.71	0.27			0.84	0.22
Uniform Delay, d1					23.0	7.7	69.8	44.8			60.0	0.0
Progression Factor					1.00	1.00	0.95	1.04			1.00	1.00
Incremental Delay, d2					175.4	0.0	25.1	0.8			9.4	0.3
Delay (s)					198.4	7.7	91.5	47.4			69.4	0.3
Level of Service					F	A	F	D			E	A
Approach Delay (s)		0.0			168.4			56.6			46.9	
Approach LOS		A			F			E			D	

Intersection Summary			
HCM Average Control Delay	117.2	HCM Level of Service	F
HCM Volume to Capacity ratio	1.24		
Actuated Cycle Length (s)	150.0	Sum of lost time (s)	12.0
Intersection Capacity Utilization	103.2%	ICU Level of Service	G
Analysis Period (min)	15		
c Critical Lane Group			



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Volume (vph)	60	0	130	0	0	0	0	170	390	0	1700	0
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Total Lost time (s)	5.1	5.1	5.1					5.7	5.7		5.7	
Lane Util. Factor	0.95	0.95	1.00					0.95	1.00		0.95	
Frpb, ped/bikes	1.00	1.00	1.00					1.00	1.00		1.00	
Flpb, ped/bikes	1.00	1.00	1.00					1.00	1.00		1.00	
Frt	1.00	1.00	0.85					1.00	0.85		1.00	
Flt Protected	0.95	0.95	1.00					1.00	1.00		1.00	
Satd. Flow (prot)	1715	1715	1404					2959	1009		3112	
Flt Permitted	0.95	0.95	1.00					1.00	1.00		1.00	
Satd. Flow (perm)	1715	1715	1404					2959	1009		3112	
Peak-hour factor, PHF	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90
Adj. Flow (vph)	67	0	144	0	0	0	0	189	433	0	1889	0
RTOR Reduction (vph)	0	0	24	0	0	0	0	0	123	0	0	0
Lane Group Flow (vph)	33	34	120	0	0	0	0	189	310	0	1889	0
Confl. Bikes (#/hr)												1
Heavy Vehicles (%)	0%	0%	15%	0%	0%	0%	0%	22%	60%	0%	16%	0%
Turn Type	Perm		Perm						Perm			
Protected Phases		4						2			6	
Permitted Phases	4		4						2			
Actuated Green, G (s)	10.5	10.5	10.5					53.7	53.7		53.7	
Effective Green, g (s)	10.5	10.5	10.5					53.7	53.7		53.7	
Actuated g/C Ratio	0.14	0.14	0.14					0.72	0.72		0.72	
Clearance Time (s)	5.1	5.1	5.1					5.7	5.7		5.7	
Vehicle Extension (s)	3.0	3.0	3.0					3.0	3.0		3.0	
Lane Grp Cap (vph)	240	240	197					2119	722		2228	
v/s Ratio Prot								0.06			c0.61	
v/s Ratio Perm	0.02	0.02	c0.09						0.31			
v/c Ratio	0.14	0.14	0.61					0.09	0.43		0.85	
Uniform Delay, d1	28.3	28.3	30.3					3.2	4.4		7.7	
Progression Factor	1.00	1.00	1.00					0.90	10.32		1.59	
Incremental Delay, d2	0.3	0.3	5.2					0.1	1.8		0.4	
Delay (s)	28.5	28.6	35.6					3.0	46.9		12.6	
Level of Service	C	C	D					A	D		B	
Approach Delay (s)		33.3			0.0			33.6			12.6	
Approach LOS		C			A			C			B	

Intersection Summary			
HCM Average Control Delay	19.0	HCM Level of Service	B
HCM Volume to Capacity ratio	0.81		
Actuated Cycle Length (s)	75.0	Sum of lost time (s)	10.8
Intersection Capacity Utilization	64.0%	ICU Level of Service	C
Analysis Period (min)	15		
c Critical Lane Group			



Movement	WBL	WBR	NBT	NBR	SBL	SBT
Lane Configurations						
Volume (vph)	20	180	470	60	690	920
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900
Total Lost time (s)	4.0	4.0	4.0	4.0	4.0	4.0
Lane Util. Factor	1.00	0.88	0.95	1.00	0.97	0.95
Frpb, ped/bikes	1.00	0.97	1.00	0.98	1.00	1.00
Flpb, ped/bikes	1.00	1.00	1.00	1.00	1.00	1.00
Frt	1.00	0.85	1.00	0.85	1.00	1.00
Flt Protected	0.95	1.00	1.00	1.00	0.95	1.00
Satd. Flow (prot)	1770	2690	3539	1548	3433	3539
Flt Permitted	0.95	1.00	1.00	1.00	0.95	1.00
Satd. Flow (perm)	1770	2690	3539	1548	3433	3539
Peak-hour factor, PHF	0.92	0.92	0.92	0.92	0.92	0.92
Adj. Flow (vph)	22	196	511	65	750	1000
RTOR Reduction (vph)	0	170	0	33	0	0
Lane Group Flow (vph)	22	26	511	32	750	1000
Confl. Peds. (#/hr)		10		10		
Turn Type		Perm		Perm	Prot	
Protected Phases	8		2		1	6
Permitted Phases		8		2		
Actuated Green, G (s)	9.9	9.9	37.1	37.1	16.0	57.1
Effective Green, g (s)	9.9	9.9	37.1	37.1	16.0	57.1
Actuated g/C Ratio	0.13	0.13	0.49	0.49	0.21	0.76
Clearance Time (s)	4.0	4.0	4.0	4.0	4.0	4.0
Vehicle Extension (s)	3.0	3.0	3.0	3.0	3.0	3.0
Lane Grp Cap (vph)	234	355	1751	766	732	2694
v/s Ratio Prot	c0.01		0.14		c0.22	c0.28
v/s Ratio Perm		0.01		0.02		
v/c Ratio	0.09	0.07	0.29	0.04	1.02	0.37
Uniform Delay, d1	28.6	28.5	11.2	9.8	29.5	3.0
Progression Factor	1.00	1.00	1.00	1.00	1.10	1.73
Incremental Delay, d2	0.2	0.1	0.4	0.1	33.9	0.3
Delay (s)	28.8	28.6	11.6	9.9	66.5	5.4
Level of Service	C	C	B	A	E	A
Approach Delay (s)	28.6		11.4			31.6
Approach LOS	C		B			C

Intersection Summary			
HCM Average Control Delay	26.8	HCM Level of Service	C
HCM Volume to Capacity ratio	0.48		
Actuated Cycle Length (s)	75.0	Sum of lost time (s)	8.0
Intersection Capacity Utilization	56.3%	ICU Level of Service	B
Analysis Period (min)	15		

c Critical Lane Group

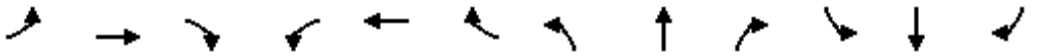
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Volume (vph)	20	20	50	340	50	410	70	140	480	570	150	40
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Total Lost time (s)	7.5	7.5	7.5	7.5	7.5		7.5	7.5	7.5	7.5	7.5	7.5
Lane Util. Factor	1.00	0.95	1.00	0.97	1.00		1.00	0.95	1.00	0.97	0.95	1.00
Frpb, ped/bikes	1.00	1.00	1.00	1.00	0.99		1.00	1.00	0.99	1.00	1.00	1.00
Flpb, ped/bikes	1.00	1.00	1.00	1.00	1.00		1.00	1.00	1.00	1.00	1.00	1.00
Frt	1.00	1.00	0.85	1.00	0.87		1.00	1.00	0.85	1.00	1.00	0.85
Flt Protected	0.95	1.00	1.00	0.95	1.00		0.95	1.00	1.00	0.95	1.00	1.00
Satd. Flow (prot)	1444	2911	1429	3072	1008		1444	2714	1028	2382	2820	1214
Flt Permitted	0.95	1.00	1.00	0.95	1.00		0.95	1.00	1.00	0.95	1.00	1.00
Satd. Flow (perm)	1444	2911	1429	3072	1008		1444	2714	1028	2382	2820	1214
Peak-hour factor, PHF	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88
Adj. Flow (vph)	23	23	57	386	57	466	80	159	545	648	170	45
RTOR Reduction (vph)	0	0	54	0	126	0	0	0	480	0	0	30
Lane Group Flow (vph)	23	23	3	386	397	0	80	159	65	648	170	15
Confl. Peds. (#/hr)	2					2			1	1		
Heavy Vehicles (%)	25%	24%	13%	14%	38%	64%	25%	33%	55%	47%	28%	33%
Turn Type	Prot		Perm	Prot			Prot		Perm	Prot		Perm
Protected Phases	7	4		3	8		5	2		1	6	
Permitted Phases			4						2			6
Actuated Green, G (s)	4.6	10.4	10.4	67.8	73.6		15.4	22.4	22.4	56.6	63.6	63.6
Effective Green, g (s)	4.6	10.4	10.4	67.8	73.6		15.4	22.4	22.4	56.6	63.6	63.6
Actuated g/C Ratio	0.02	0.06	0.06	0.36	0.39		0.08	0.12	0.12	0.30	0.34	0.34
Clearance Time (s)	7.5	7.5	7.5	7.5	7.5		7.5	7.5	7.5	7.5	7.5	7.5
Vehicle Extension (s)	3.0	3.0	3.0	3.0	3.0		3.0	3.0	3.0	3.0	3.0	3.0
Lane Grp Cap (vph)	35	162	79	1113	396		119	325	123	720	958	412
v/s Ratio Prot	c0.02	0.01		0.13	c0.39		0.06	0.06		c0.27	0.06	
v/s Ratio Perm			0.00						c0.06			0.01
v/c Ratio	0.66	0.14	0.04	0.35	1.00		0.67	0.49	0.53	0.90	0.18	0.04
Uniform Delay, d1	90.5	84.2	83.7	43.5	56.8		83.4	77.1	77.5	62.6	43.4	41.3
Progression Factor	1.00	1.00	1.00	1.00	1.00		1.00	1.00	1.00	1.00	1.00	1.00
Incremental Delay, d2	36.6	0.4	0.2	0.2	46.1		13.9	1.2	4.3	14.3	0.1	0.0
Delay (s)	127.2	84.6	83.9	43.7	102.9		97.4	78.2	81.8	76.9	43.5	41.4
Level of Service	F	F	F	D	F		F	E	F	E	D	D
Approach Delay (s)		93.7			77.8			82.7			68.5	
Approach LOS		F			E			F			E	

Intersection Summary			
HCM Average Control Delay	76.8	HCM Level of Service	E
HCM Volume to Capacity ratio	0.89		
Actuated Cycle Length (s)	187.2	Sum of lost time (s)	30.0
Intersection Capacity Utilization	73.2%	ICU Level of Service	D
Analysis Period (min)	15		
c Critical Lane Group			

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Volume (veh/h)	20	270	0	0	300	230	50	0	420	0	0	0
Sign Control		Free			Free			Stop			Stop	
Grade		0%			0%			0%			0%	
Peak Hour Factor	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85
Hourly flow rate (vph)	24	318	0	0	353	271	59	0	494	0	0	0
Pedestrians												
Lane Width (ft)												
Walking Speed (ft/s)												
Percent Blockage												
Right turn flare (veh)									3			
Median type		None			None							
Median storage veh)												
Upstream signal (ft)					1190							
pX, platoon unblocked												
vC, conflicting volume	353			318			718	718	318	718	718	353
vC1, stage 1 conf vol												
vC2, stage 2 conf vol												
vCu, unblocked vol	353			318			718	718	318	718	718	353
tC, single (s)	4.1			4.1			7.1	6.5	6.6	7.1	6.5	6.2
tC, 2 stage (s)												
tF (s)	2.2			2.2			3.5	4.0	3.7	3.5	4.0	3.3
p0 queue free %	98			100			83	100	23	100	100	100
cM capacity (veh/h)	1217			1254			342	351	641	78	351	695

Direction, Lane #	EB 1	WB 1	WB 2	NB 1
Volume Total	341	353	271	553
Volume Left	24	0	0	59
Volume Right	0	0	271	494
cSH	1217	1700	1700	717
Volume to Capacity	0.02	0.21	0.16	0.77
Queue Length 95th (ft)	1	0	0	185
Control Delay (s)	0.7	0.0	0.0	25.9
Lane LOS	A			D
Approach Delay (s)	0.7	0.0		25.9
Approach LOS				D

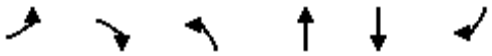
Intersection Summary			
Average Delay	9.6		
Intersection Capacity Utilization	48.0%	ICU Level of Service	A
Analysis Period (min)	15		



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Volume (veh/h)	0	30	10	140	210	0	0	0	0	250	10	10
Sign Control		Free			Free			Stop			Stop	
Grade		0%			0%			0%			0%	
Peak Hour Factor	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86
Hourly flow rate (vph)	0	35	12	163	244	0	0	0	0	291	12	12
Pedestrians												
Lane Width (ft)												
Walking Speed (ft/s)												
Percent Blockage												
Right turn flare (veh)												2
Median type		None			None							
Median storage veh)												
Upstream signal (ft)												
pX, platoon unblocked												
vC, conflicting volume	244			47			616	610	41	610	616	244
vC1, stage 1 conf vol												
vC2, stage 2 conf vol												
vCu, unblocked vol	244			47			616	610	41	610	616	244
tC, single (s)	4.1			4.6			7.1	6.5	6.2	7.6	6.5	6.4
tC, 2 stage (s)												
tF (s)	2.2			2.7			3.5	4.0	3.3	3.9	4.0	3.5
p0 queue free %	100			87			100	100	100	8	97	98
cM capacity (veh/h)	1334			1298			352	360	1036	316	357	757

Direction, Lane #	EB 1	WB 1	SB 1
Volume Total	47	407	314
Volume Left	0	163	291
Volume Right	12	0	12
cSH	1700	1298	326
Volume to Capacity	0.03	0.13	0.96
Queue Length 95th (ft)	0	11	254
Control Delay (s)	0.0	4.0	77.7
Lane LOS		A	F
Approach Delay (s)	0.0	4.0	77.7
Approach LOS			F

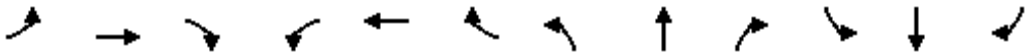
Intersection Summary				
Average Delay	33.9			
Intersection Capacity Utilization	46.5%	ICU Level of Service	A	
Analysis Period (min)	15			



Movement	EBL	EBR	NBL	NBT	SBT	SBR
Lane Configurations						
Volume (vph)	10	540	300	50	90	20
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900
Total Lost time (s)	4.0	4.0	4.0	4.0	4.0	
Lane Util. Factor	1.00	1.00	1.00	1.00	1.00	
Frpb, ped/bikes	1.00	0.97	1.00	1.00	0.99	
Flpb, ped/bikes	1.00	1.00	1.00	1.00	1.00	
Frt	1.00	0.85	1.00	1.00	0.98	
Flt Protected	0.95	1.00	0.95	1.00	1.00	
Satd. Flow (prot)	1770	1534	1770	1863	1806	
Flt Permitted	0.95	1.00	0.95	1.00	1.00	
Satd. Flow (perm)	1770	1534	1770	1863	1806	
Peak-hour factor, PHF	0.92	0.92	0.92	0.92	0.92	0.92
Adj. Flow (vph)	11	587	326	54	98	22
RTOR Reduction (vph)	0	455	0	0	16	0
Lane Group Flow (vph)	11	132	326	54	104	0
Confl. Peds. (#/hr)		10				10
Turn Type		Perm	Prot			
Protected Phases	4		5	2	6	
Permitted Phases		4				
Actuated Green, G (s)	8.7	8.7	12.9	22.0	5.1	
Effective Green, g (s)	8.7	8.7	12.9	22.0	5.1	
Actuated g/C Ratio	0.22	0.22	0.33	0.57	0.13	
Clearance Time (s)	4.0	4.0	4.0	4.0	4.0	
Vehicle Extension (s)	3.0	3.0	3.0	3.0	3.0	
Lane Grp Cap (vph)	398	345	590	1059	238	
v/s Ratio Prot	0.01		c0.18	0.03	c0.06	
v/s Ratio Perm		c0.09				
v/c Ratio	0.03	0.38	0.55	0.05	0.43	
Uniform Delay, d1	11.7	12.7	10.5	3.7	15.5	
Progression Factor	1.00	1.00	1.00	1.00	1.00	
Incremental Delay, d2	0.0	0.7	1.1	0.0	1.3	
Delay (s)	11.7	13.4	11.7	3.7	16.7	
Level of Service	B	B	B	A	B	
Approach Delay (s)	13.4			10.5	16.7	
Approach LOS	B			B	B	

Intersection Summary			
HCM Average Control Delay	12.8	HCM Level of Service	B
HCM Volume to Capacity ratio	0.47		
Actuated Cycle Length (s)	38.7	Sum of lost time (s)	12.0
Intersection Capacity Utilization	49.6%	ICU Level of Service	A
Analysis Period (min)	15		

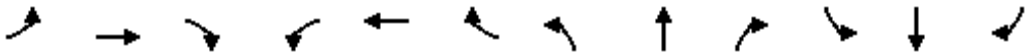
c Critical Lane Group



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Volume (vph)	60	10	50	30	10	50	190	240	130	200	170	270
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Total Lost time (s)	4.0	4.0		4.0	4.0		4.0	4.0		4.0	4.0	
Lane Util. Factor	1.00	1.00		1.00	1.00		1.00	1.00		1.00	1.00	
Frpb, ped/bikes	1.00	0.97		1.00	0.97		1.00	0.99		1.00	0.98	
Flpb, ped/bikes	1.00	1.00		1.00	1.00		1.00	1.00		1.00	1.00	
Frt	1.00	0.88		1.00	0.88		1.00	0.95		1.00	0.91	
Flt Protected	0.95	1.00		0.95	1.00		0.95	1.00		0.95	1.00	
Satd. Flow (prot)	1770	1590		1770	1590		1770	1747		1770	1662	
Flt Permitted	0.74	1.00		0.74	1.00		0.47	1.00		0.53	1.00	
Satd. Flow (perm)	1380	1590		1380	1590		878	1747		979	1662	
Peak-hour factor, PHF	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
Adj. Flow (vph)	65	11	54	33	11	54	207	261	141	217	185	293
RTOR Reduction (vph)	0	46	0	0	46	0	0	29	0	0	86	0
Lane Group Flow (vph)	65	19	0	33	19	0	207	373	0	217	392	0
Confl. Peds. (#/hr)			10			10			10			10
Turn Type	Perm			Perm			Perm			Perm		
Protected Phases		4			8			2			6	
Permitted Phases	4			8			2			6		
Actuated Green, G (s)	5.4	5.4		5.4	5.4		22.2	22.2		22.2	22.2	
Effective Green, g (s)	5.4	5.4		5.4	5.4		22.2	22.2		22.2	22.2	
Actuated g/C Ratio	0.15	0.15		0.15	0.15		0.62	0.62		0.62	0.62	
Clearance Time (s)	4.0	4.0		4.0	4.0		4.0	4.0		4.0	4.0	
Vehicle Extension (s)	3.0	3.0		3.0	3.0		3.0	3.0		3.0	3.0	
Lane Grp Cap (vph)	209	241		209	241		548	1089		611	1036	
v/s Ratio Prot		0.01			0.01			0.21			c0.24	
v/s Ratio Perm	c0.05			0.02			0.24			0.22		
v/c Ratio	0.31	0.08		0.16	0.08		0.38	0.34		0.36	0.38	
Uniform Delay, d1	13.4	13.0		13.1	13.0		3.3	3.2		3.2	3.3	
Progression Factor	1.00	1.00		1.00	1.00		1.00	1.00		1.00	1.00	
Incremental Delay, d2	0.9	0.1		0.4	0.1		0.4	0.2		0.4	0.2	
Delay (s)	14.3	13.1		13.5	13.1		3.7	3.4		3.6	3.5	
Level of Service	B	B		B	B		A	A		A	A	
Approach Delay (s)		13.7			13.2			3.5			3.6	
Approach LOS		B			B			A			A	

Intersection Summary			
HCM Average Control Delay	5.0	HCM Level of Service	A
HCM Volume to Capacity ratio	0.37		
Actuated Cycle Length (s)	35.6	Sum of lost time (s)	8.0
Intersection Capacity Utilization	57.8%	ICU Level of Service	B
Analysis Period (min)	15		

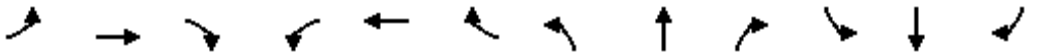
c Critical Lane Group



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Sign Control		Stop			Stop			Stop			Stop	
Volume (vph)	570	180	20	10	590	670	20	10	10	200	10	170
Peak Hour Factor	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87
Hourly flow rate (vph)	655	207	23	11	678	770	23	11	11	230	11	195

Direction, Lane #	EB 1	EB 2	WB 1	NB 1	NB 2	SB 1
Volume Total (vph)	862	23	1460	23	23	437
Volume Left (vph)	655	0	11	23	0	230
Volume Right (vph)	0	23	770	0	11	195
Hadj (s)	0.41	-0.67	-0.28	0.53	-0.32	-0.13
Departure Headway (s)	8.1	7.0	7.4	10.0	9.2	7.7
Degree Utilization, x	1.93	0.04	3.01	0.06	0.06	0.94
Capacity (veh/h)	453	507	489	349	381	461
Control Delay (s)	445.3	9.1	924.4	12.5	11.6	55.4
Approach Delay (s)	434.0		924.4	12.0		55.4
Approach LOS	F		F	B		F

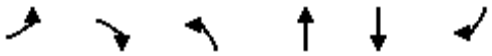
Intersection Summary				
Delay	621.8			
HCM Level of Service	F			
Intersection Capacity Utilization	152.3%	ICU Level of Service	H	
Analysis Period (min)	15			



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Volume (vph)	20	350	90	640	1350	80	120	140	460	50	120	80
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Total Lost time (s)	5.5	6.1	6.1	5.5	6.1	6.1	5.5	6.1	6.1	5.5	6.1	6.1
Lane Util. Factor	0.97	0.91	1.00	1.00	0.91	1.00	0.97	0.95	1.00	0.97	1.00	1.00
Frpb, ped/bikes	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.98	1.00	1.00	1.00
Flpb, ped/bikes	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Frt	1.00	1.00	0.85	1.00	1.00	0.85	1.00	1.00	0.85	1.00	1.00	0.85
Flt Protected	0.95	1.00	1.00	0.95	1.00	1.00	0.95	1.00	1.00	0.95	1.00	1.00
Satd. Flow (prot)	3433	5085	1583	1770	5085	1583	3433	3539	1549	3433	1863	1583
Flt Permitted	0.95	1.00	1.00	0.95	1.00	1.00	0.95	1.00	1.00	0.95	1.00	1.00
Satd. Flow (perm)	3433	5085	1583	1770	5085	1583	3433	3539	1549	3433	1863	1583
Peak-hour factor, PHF	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86
Adj. Flow (vph)	23	407	105	744	1570	93	140	163	535	58	140	93
RTOR Reduction (vph)	0	0	90	0	0	36	0	0	466	0	0	81
Lane Group Flow (vph)	23	407	15	744	1570	57	140	163	69	58	140	12
Confl. Peds. (#/hr)									14	14		
Turn Type	Prot		Perm	Prot		Perm	Prot		Perm	Prot		Perm
Protected Phases	5	2		1	6		7	4		3	8	
Permitted Phases			2			6			4			8
Actuated Green, G (s)	3.8	12.7	12.7	33.8	42.7	42.7	9.4	11.8	11.8	9.8	12.2	12.2
Effective Green, g (s)	3.8	12.7	12.7	33.8	42.7	42.7	9.4	11.8	11.8	9.8	12.2	12.2
Actuated g/C Ratio	0.04	0.14	0.14	0.37	0.47	0.47	0.10	0.13	0.13	0.11	0.13	0.13
Clearance Time (s)	5.5	6.1	6.1	5.5	6.1	6.1	5.5	6.1	6.1	5.5	6.1	6.1
Vehicle Extension (s)	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
Lane Grp Cap (vph)	143	707	220	655	2378	740	353	457	200	368	249	212
v/s Ratio Prot	0.01	0.08		c0.42	c0.31		c0.04	0.05		0.02	c0.08	
v/s Ratio Perm			0.01			0.04			0.04			0.01
v/c Ratio	0.16	0.58	0.07	1.14	0.66	0.08	0.40	0.36	0.35	0.16	0.56	0.06
Uniform Delay, d1	42.2	36.8	34.1	28.8	18.7	13.4	38.3	36.3	36.2	37.0	37.0	34.5
Progression Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Incremental Delay, d2	0.5	1.1	0.1	78.9	0.7	0.0	0.7	0.5	1.0	0.2	2.9	0.1
Delay (s)	42.7	37.9	34.3	107.7	19.4	13.5	39.0	36.8	37.3	37.2	39.9	34.7
Level of Service	D	D	C	F	B	B	D	D	D	D	D	C
Approach Delay (s)		37.4			46.5			37.5			37.7	
Approach LOS		D			D			D			D	

Intersection Summary			
HCM Average Control Delay	42.8	HCM Level of Service	D
HCM Volume to Capacity ratio	0.88		
Actuated Cycle Length (s)	91.3	Sum of lost time (s)	23.2
Intersection Capacity Utilization	78.4%	ICU Level of Service	D
Analysis Period (min)	15		

c Critical Lane Group



Movement	EBL	EBR	NBL	NBT	SBT	SBR
Lane Configurations						
Sign Control	Stop			Stop	Stop	
Volume (vph)	130	210	840	420	220	410
Peak Hour Factor	0.87	0.87	0.87	0.87	0.87	0.87
Hourly flow rate (vph)	149	241	966	483	253	471

Direction, Lane #	EB 1	NB 1	SB 1
Volume Total (vph)	391	1448	724
Volume Left (vph)	149	966	0
Volume Right (vph)	241	0	471
Hadj (s)	-0.26	0.17	-0.36
Departure Headway (s)	6.7	6.6	6.0
Degree Utilization, x	0.73	2.64	1.21
Capacity (veh/h)	526	553	603
Control Delay (s)	25.8	756.5	131.6
Approach Delay (s)	25.8	756.5	131.6
Approach LOS	D	F	F

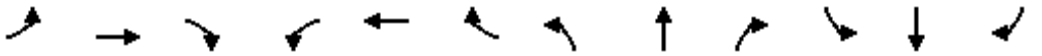
Intersection Summary			
Delay	468.5		
HCM Level of Service	F		
Intersection Capacity Utilization	135.5%	ICU Level of Service	H
Analysis Period (min)	15		



Movement	WBL	WBR	NBT	NBR	SBL	SBT
Lane Configurations						
Volume (veh/h)	10	880	20	10	300	10
Sign Control	Stop		Free			Free
Grade	0%		0%			0%
Peak Hour Factor	0.88	0.88	0.88	0.88	0.88	0.88
Hourly flow rate (vph)	11	1000	23	11	341	11
Pedestrians						
Lane Width (ft)						
Walking Speed (ft/s)						
Percent Blockage						
Right turn flare (veh)						
Median type			None			None
Median storage veh)						
Upstream signal (ft)						
pX, platoon unblocked						
vC, conflicting volume	722	28			34	
vC1, stage 1 conf vol						
vC2, stage 2 conf vol						
vCu, unblocked vol	722	28			34	
tC, single (s)	6.4	6.2			4.1	
tC, 2 stage (s)						
tF (s)	3.5	3.3			2.2	
p0 queue free %	96	4			78	
cM capacity (veh/h)	309	1047			1577	

Direction, Lane #	WB 1	NB 1	SB 1
Volume Total	1011	34	352
Volume Left	11	0	341
Volume Right	1000	11	0
cSH	1019	1700	1577
Volume to Capacity	0.99	0.02	0.22
Queue Length 95th (ft)	475	0	21
Control Delay (s)	46.5	0.0	7.7
Lane LOS	E		A
Approach Delay (s)	46.5	0.0	7.7
Approach LOS	E		

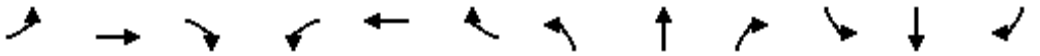
Intersection Summary			
Average Delay		35.6	
Intersection Capacity Utilization		85.5%	ICU Level of Service E
Analysis Period (min)		15	



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Volume (vph)	60	10	50	30	10	50	140	450	50	110	1550	180
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Total Lost time (s)	4.0	4.0		4.0	4.0		4.0	4.0	4.0	4.0	4.0	4.0
Lane Util. Factor	1.00	1.00		1.00	1.00		1.00	0.95	1.00	1.00	0.95	1.00
Frpb, ped/bikes	1.00	0.98		1.00	0.97		1.00	1.00	0.96	1.00	1.00	0.96
Flpb, ped/bikes	1.00	1.00		1.00	1.00		1.00	1.00	1.00	1.00	1.00	1.00
Frt	1.00	0.88		1.00	0.88		1.00	1.00	0.85	1.00	1.00	0.85
Flt Protected	0.95	1.00		0.95	1.00		0.95	1.00	1.00	0.95	1.00	1.00
Satd. Flow (prot)	1770	1604		1770	1583		1770	3539	1517	1770	3539	1517
Flt Permitted	0.71	1.00		0.71	1.00		0.95	1.00	1.00	0.95	1.00	1.00
Satd. Flow (perm)	1331	1604		1331	1583		1770	3539	1517	1770	3539	1517
Peak-hour factor, PHF	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
Adj. Flow (vph)	65	11	54	33	11	54	152	489	54	120	1685	196
RTOR Reduction (vph)	0	46	0	0	46	0	0	0	23	0	0	59
Lane Group Flow (vph)	65	19	0	33	19	0	152	489	31	120	1685	137
Confl. Peds. (#/hr)			10			10			10			10
Turn Type	Perm			Perm			Prot		Perm	Prot		Perm
Protected Phases		4			8		5	2		1	6	
Permitted Phases	4			8					2			6
Actuated Green, G (s)	11.0	11.0		11.0	11.0		5.0	43.4	43.4	8.6	47.0	47.0
Effective Green, g (s)	11.0	11.0		11.0	11.0		5.0	43.4	43.4	8.6	47.0	47.0
Actuated g/C Ratio	0.15	0.15		0.15	0.15		0.07	0.58	0.58	0.11	0.63	0.63
Clearance Time (s)	4.0	4.0		4.0	4.0		4.0	4.0	4.0	4.0	4.0	4.0
Vehicle Extension (s)	3.0	3.0		3.0	3.0		3.0	3.0	3.0	3.0	3.0	3.0
Lane Grp Cap (vph)	195	235		195	232		118	2048	878	203	2218	951
v/s Ratio Prot		0.01			0.01		c0.09	0.14		0.07	c0.48	
v/s Ratio Perm	c0.05			0.02					0.02			0.09
v/c Ratio	0.33	0.08		0.17	0.08		1.29	0.24	0.04	0.59	0.76	0.14
Uniform Delay, d1	28.7	27.6		28.0	27.6		35.0	7.7	6.8	31.5	10.0	5.7
Progression Factor	1.00	1.00		1.00	1.00		0.88	1.32	2.16	0.91	1.06	1.70
Incremental Delay, d2	1.0	0.1		0.4	0.2		178.2	0.3	0.1	2.4	1.3	0.2
Delay (s)	29.7	27.8		28.4	27.8		209.1	10.4	14.7	31.1	11.9	10.0
Level of Service	C	C		C	C		F	B	B	C	B	A
Approach Delay (s)		28.8			28.0			54.2			12.9	
Approach LOS		C			C			D			B	

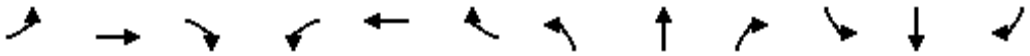
Intersection Summary			
HCM Average Control Delay	23.9	HCM Level of Service	C
HCM Volume to Capacity ratio	0.73		
Actuated Cycle Length (s)	75.0	Sum of lost time (s)	12.0
Intersection Capacity Utilization	74.4%	ICU Level of Service	D
Analysis Period (min)	15		

c Critical Lane Group



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Volume (vph)	0	0	0	640	0	260	160	680	0	0	400	90
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Total Lost time (s)					4.0	4.0	4.0	4.0			4.0	2.3
Lane Util. Factor					1.00	0.88	1.00	0.95			0.91	1.00
Frpb, ped/bikes					1.00	1.00	1.00	1.00			1.00	1.00
Flpb, ped/bikes					1.00	1.00	1.00	1.00			1.00	1.00
Frt					1.00	0.85	1.00	1.00			1.00	0.85
Flt Protected					0.95	1.00	0.95	1.00			1.00	1.00
Satd. Flow (prot)					1570	2842	1641	3539			5136	1599
Flt Permitted					0.95	1.00	0.95	1.00			1.00	1.00
Satd. Flow (perm)					1570	2842	1641	3539			5136	1599
Peak-hour factor, PHF	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93
Adj. Flow (vph)	0	0	0	688	0	280	172	731	0	0	430	97
RTOR Reduction (vph)	0	0	0	0	0	55	0	0	0	0	0	0
Lane Group Flow (vph)	0	0	0	0	688	225	172	731	0	0	430	97
Confl. Bikes (#/hr)									2			
Heavy Vehicles (%)	0%	0%	0%	15%	0%	0%	10%	2%	0%	0%	1%	1%
Turn Type				Perm		Perm	Prot					Free
Protected Phases					8		5	2			6	
Permitted Phases				8		8						Free
Actuated Green, G (s)					62.3	62.3	17.2	46.9			25.2	120.0
Effective Green, g (s)					63.4	63.4	17.7	48.6			26.9	120.0
Actuated g/C Ratio					0.53	0.53	0.15	0.41			0.22	1.00
Clearance Time (s)					5.1	5.1	4.5	5.7			5.7	
Vehicle Extension (s)					3.0	3.0	3.0	3.0			3.0	
Lane Grp Cap (vph)					829	1502	242	1433			1151	1599
v/s Ratio Prot							c0.10	c0.21			0.08	
v/s Ratio Perm					0.44	0.08						0.06
v/c Ratio					0.83	0.15	0.71	0.51			0.37	0.06
Uniform Delay, d1					23.8	14.5	48.7	26.8			39.4	0.0
Progression Factor					1.00	1.00	1.06	0.94			1.00	1.00
Incremental Delay, d2					6.9	0.0	8.3	1.1			0.9	0.1
Delay (s)					30.7	14.5	60.1	26.4			40.3	0.1
Level of Service					C	B	E	C			D	A
Approach Delay (s)		0.0			26.0			32.9			32.9	
Approach LOS		A			C			C			C	

Intersection Summary			
HCM Average Control Delay	30.1	HCM Level of Service	C
HCM Volume to Capacity ratio	0.72		
Actuated Cycle Length (s)	120.0	Sum of lost time (s)	8.0
Intersection Capacity Utilization	64.3%	ICU Level of Service	C
Analysis Period (min)	15		
c Critical Lane Group			



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Volume (vph)	260	10	110	0	0	0	0	580	1540	0	830	0
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Total Lost time (s)	5.1	5.1	5.1					5.7	5.7		5.7	
Lane Util. Factor	0.95	0.95	1.00					0.95	1.00		0.95	
Frpb, ped/bikes	1.00	1.00	1.00					1.00	0.98		1.00	
Flpb, ped/bikes	1.00	1.00	1.00					1.00	1.00		1.00	
Frt	1.00	1.00	0.85					1.00	0.85		1.00	
Flt Protected	0.95	0.96	1.00					1.00	1.00		1.00	
Satd. Flow (prot)	1715	1725	1495					3343	1438		3195	
Flt Permitted	0.95	0.96	1.00					1.00	1.00		1.00	
Satd. Flow (perm)	1715	1725	1495					3343	1438		3195	
Peak-hour factor, PHF	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87
Adj. Flow (vph)	299	11	126	0	0	0	0	667	1770	0	954	0
RTOR Reduction (vph)	0	0	116	0	0	0	0	0	159	0	0	0
Lane Group Flow (vph)	155	155	10	0	0	0	0	667	1611	0	954	0
Confl. Bikes (#/hr)									1			
Heavy Vehicles (%)	0%	0%	8%	0%	0%	0%	0%	8%	10%	0%	13%	0%
Turn Type	Perm		Perm						Perm			
Protected Phases		4						2			6	
Permitted Phases	4		4						2			
Actuated Green, G (s)	9.9	9.9	9.9					99.3	99.3		99.3	
Effective Green, g (s)	9.9	9.9	9.9					99.3	99.3		99.3	
Actuated g/C Ratio	0.08	0.08	0.08					0.83	0.83		0.83	
Clearance Time (s)	5.1	5.1	5.1					5.7	5.7		5.7	
Vehicle Extension (s)	3.0	3.0	3.0					3.0	3.0		3.0	
Lane Grp Cap (vph)	141	142	123					2766	1190		2644	
v/s Ratio Prot								0.20			0.30	
v/s Ratio Perm	c0.09	0.09	0.01						c1.12			
v/c Ratio	1.10	1.09	0.08					0.24	1.35		0.36	
Uniform Delay, d1	55.0	55.0	50.9					2.2	10.4		2.5	
Progression Factor	1.00	1.00	1.00					0.48	6.23		2.17	
Incremental Delay, d2	104.9	102.2	0.3					0.1	161.0		0.3	
Delay (s)	159.9	157.2	51.2					1.1	225.5		5.8	
Level of Service	F	F	D					A	F		A	
Approach Delay (s)		127.5			0.0			164.1			5.8	
Approach LOS		F			A			F			A	

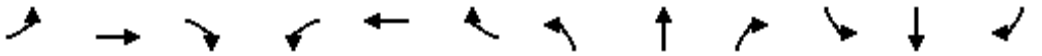
Intersection Summary			
HCM Average Control Delay	120.5	HCM Level of Service	F
HCM Volume to Capacity ratio	1.33		
Actuated Cycle Length (s)	120.0	Sum of lost time (s)	10.8
Intersection Capacity Utilization	111.8%	ICU Level of Service	H
Analysis Period (min)	15		
c Critical Lane Group			



Movement	WBL	WBR	NBT	NBR	SBL	SBT
Lane Configurations						
Volume (vph)	100	730	1120	80	250	660
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900
Total Lost time (s)	4.0	4.0	4.0	4.0	4.0	4.0
Lane Util. Factor	1.00	0.88	0.95	1.00	0.97	0.95
Frpb, ped/bikes	1.00	0.97	1.00	0.99	1.00	1.00
Flpb, ped/bikes	1.00	1.00	1.00	1.00	1.00	1.00
Frt	1.00	0.85	1.00	0.85	1.00	1.00
Flt Protected	0.95	1.00	1.00	1.00	0.95	1.00
Satd. Flow (prot)	1770	2705	3539	1561	3433	3539
Flt Permitted	0.95	1.00	1.00	1.00	0.95	1.00
Satd. Flow (perm)	1770	2705	3539	1561	3433	3539
Peak-hour factor, PHF	0.92	0.92	0.92	0.92	0.92	0.92
Adj. Flow (vph)	109	793	1217	87	272	717
RTOR Reduction (vph)	0	371	0	36	0	0
Lane Group Flow (vph)	109	422	1217	51	272	717
Confl. Bikes (#/hr)		5		5		
Turn Type		Perm		Perm	Prot	
Protected Phases	8		2		1	6
Permitted Phases	8	8		2		
Actuated Green, G (s)	23.8	23.8	70.1	70.1	14.1	88.2
Effective Green, g (s)	23.8	23.8	70.1	70.1	14.1	88.2
Actuated g/C Ratio	0.20	0.20	0.58	0.58	0.12	0.74
Clearance Time (s)	4.0	4.0	4.0	4.0	4.0	4.0
Vehicle Extension (s)	3.0	3.0	3.0	3.0	3.0	3.0
Lane Grp Cap (vph)	351	536	2067	912	403	2601
v/s Ratio Prot	0.06		c0.34		c0.08	0.20
v/s Ratio Perm		c0.16		0.03		
v/c Ratio	0.31	0.79	0.59	0.06	0.67	0.28
Uniform Delay, d1	41.1	45.7	15.8	10.7	50.8	5.3
Progression Factor	1.00	1.00	1.00	1.00	0.97	0.90
Incremental Delay, d2	0.5	7.5	1.2	0.1	4.2	0.2
Delay (s)	41.6	53.2	17.1	10.8	53.3	5.0
Level of Service	D	D	B	B	D	A
Approach Delay (s)	51.8		16.6			18.3
Approach LOS	D		B			B

Intersection Summary			
HCM Average Control Delay	27.1	HCM Level of Service	C
HCM Volume to Capacity ratio	0.64		
Actuated Cycle Length (s)	120.0	Sum of lost time (s)	12.0
Intersection Capacity Utilization	63.2%	ICU Level of Service	B
Analysis Period (min)	15		

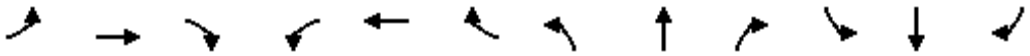
c Critical Lane Group



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Volume (vph)	60	40	100	490	30	740	60	200	410	570	200	20
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Total Lost time (s)	7.5	7.5	7.5	7.5	7.5		7.5	7.5	7.5	7.5	7.5	7.5
Lane Util. Factor	1.00	0.95	1.00	0.97	1.00		1.00	0.95	1.00	0.97	0.95	1.00
Frt	1.00	1.00	0.85	1.00	0.86		1.00	1.00	0.85	1.00	1.00	0.85
Flt Protected	0.95	1.00	1.00	0.95	1.00		0.95	1.00	1.00	0.95	1.00	1.00
Satd. Flow (prot)	1597	3505	1553	2779	1406		1612	3471	1509	3072	3139	1077
Flt Permitted	0.95	1.00	1.00	0.95	1.00		0.95	1.00	1.00	0.95	1.00	1.00
Satd. Flow (perm)	1597	3505	1553	2779	1406		1612	3471	1509	3072	3139	1077
Peak-hour factor, PHF	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85
Adj. Flow (vph)	71	47	118	576	35	871	71	235	482	671	235	24
RTOR Reduction (vph)	0	0	110	0	353	0	0	0	427	0	0	18
Lane Group Flow (vph)	71	47	8	576	553	0	71	235	55	671	235	6
Heavy Vehicles (%)	13%	3%	4%	26%	6%	16%	12%	4%	7%	14%	15%	50%
Turn Type	Prot		Perm	Prot			Prot		Perm	Prot		Perm
Protected Phases	7	4		3	8		5	2		1	6	
Permitted Phases			4						2			6
Actuated Green, G (s)	12.1	10.4	10.4	56.8	55.1		12.0	17.1	17.1	35.1	40.2	40.2
Effective Green, g (s)	12.1	10.4	10.4	56.8	55.1		12.0	17.1	17.1	35.1	40.2	40.2
Actuated g/C Ratio	0.08	0.07	0.07	0.38	0.37		0.08	0.11	0.11	0.23	0.27	0.27
Clearance Time (s)	7.5	7.5	7.5	7.5	7.5		7.5	7.5	7.5	7.5	7.5	7.5
Vehicle Extension (s)	3.0	3.0	3.0	3.0	3.0		3.0	3.0	3.0	3.0	3.0	3.0
Lane Grp Cap (vph)	129	244	108	1057	519		129	397	173	722	845	290
v/s Ratio Prot	0.04	0.01		c0.21	c0.39		0.04	c0.07		c0.22	0.07	
v/s Ratio Perm			0.01						0.04			0.01
v/c Ratio	0.55	0.19	0.08	0.54	1.06		0.55	0.59	0.32	0.93	0.28	0.02
Uniform Delay, d1	66.0	65.5	65.0	36.2	47.2		66.1	62.8	60.8	55.9	43.1	40.1
Progression Factor	1.00	1.00	1.00	1.00	1.00		1.00	1.00	1.00	1.00	1.00	1.00
Incremental Delay, d2	5.0	0.4	0.3	0.6	57.8		5.0	2.4	1.1	18.2	0.2	0.0
Delay (s)	71.0	65.9	65.3	36.8	105.0		71.1	65.2	61.9	74.1	43.3	40.2
Level of Service	E	E	E	D	F		E	E	E	E	D	D
Approach Delay (s)		67.2			78.5			63.7			65.5	
Approach LOS		E			E			E			E	

Intersection Summary			
HCM Average Control Delay	70.8	HCM Level of Service	E
HCM Volume to Capacity ratio	0.86		
Actuated Cycle Length (s)	149.4	Sum of lost time (s)	22.5
Intersection Capacity Utilization	93.2%	ICU Level of Service	F
Analysis Period (min)	15		

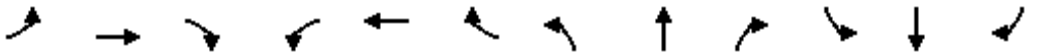
c Critical Lane Group



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Volume (veh/h)	10	450	0	0	500	290	10	10	220	0	0	0
Sign Control		Free			Free			Stop			Stop	
Grade		0%			0%			0%			0%	
Peak Hour Factor	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93
Hourly flow rate (vph)	11	484	0	0	538	312	11	11	237	0	0	0
Pedestrians												
Lane Width (ft)												
Walking Speed (ft/s)												
Percent Blockage												
Right turn flare (veh)									3			
Median type		None			None							
Median storage veh)												
Upstream signal (ft)					1190							
pX, platoon unblocked	0.99						0.99	0.99		0.99	0.99	0.99
vC, conflicting volume	538			484			1043	1043	484	1048	1043	538
vC1, stage 1 conf vol												
vC2, stage 2 conf vol												
vCu, unblocked vol	528			484			1039	1039	484	1044	1039	528
tC, single (s)	4.1			4.1			7.1	6.5	6.3	7.1	6.5	6.2
tC, 2 stage (s)												
tF (s)	2.2			2.2			3.5	4.0	3.4	3.5	4.0	3.3
p0 queue free %	99			100			95	95	58	100	100	100
cM capacity (veh/h)	1039			1089			207	228	567	115	228	549

Direction, Lane #	EB 1	WB 1	WB 2	NB 1
Volume Total	495	538	312	258
Volume Left	11	0	0	11
Volume Right	0	0	312	237
cSH	1039	1700	1700	618
Volume to Capacity	0.01	0.32	0.18	0.42
Queue Length 95th (ft)	1	0	0	51
Control Delay (s)	0.3	0.0	0.0	16.4
Lane LOS	A			C
Approach Delay (s)	0.3	0.0		16.4
Approach LOS				C

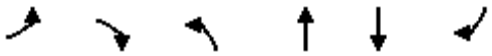
Intersection Summary			
Average Delay	2.7		
Intersection Capacity Utilization	55.5%	ICU Level of Service	B
Analysis Period (min)	15		



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Volume (veh/h)	0	190	140	480	20	0	0	0	0	270	10	70
Sign Control		Free			Free			Stop			Stop	
Grade		0%			0%			0%			0%	
Peak Hour Factor	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91
Hourly flow rate (vph)	0	209	154	527	22	0	0	0	0	297	11	77
Pedestrians												
Lane Width (ft)												
Walking Speed (ft/s)												
Percent Blockage												
Right turn flare (veh)												2
Median type		None			None							
Median storage veh)												
Upstream signal (ft)												
pX, platoon unblocked												
vC, conflicting volume	22			363			1368	1363	286	1363	1440	22
vC1, stage 1 conf vol												
vC2, stage 2 conf vol												
vCu, unblocked vol	22			363			1368	1363	286	1363	1440	22
tC, single (s)	4.1			4.2			7.1	6.5	6.2	7.2	6.8	6.2
tC, 2 stage (s)												
tF (s)	2.2			2.3			3.5	4.0	3.3	3.6	4.2	3.3
p0 queue free %	100			54			100	100	100	0	83	93
cM capacity (veh/h)	1607			1153			66	81	758	77	64	1061

Direction, Lane #	EB 1	WB 1	SB 1
Volume Total	363	549	385
Volume Left	0	527	297
Volume Right	154	0	77
cSH	1700	1153	94
Volume to Capacity	0.21	0.46	4.07
Queue Length 95th (ft)	0	61	Err
Control Delay (s)	0.0	10.5	Err
Lane LOS		B	F
Approach Delay (s)	0.0	10.5	Err
Approach LOS			F

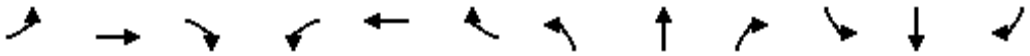
Intersection Summary			
Average Delay	2970.3		
Intersection Capacity Utilization	71.7%	ICU Level of Service	C
Analysis Period (min)	15		



Movement	EBL	EBR	NBL	NBT	SBT	SBR
Lane Configurations						
Volume (vph)	30	330	560	100	50	20
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900
Total Lost time (s)	4.0	4.0	4.0	4.0	4.0	
Lane Util. Factor	1.00	1.00	1.00	1.00	1.00	
Frpb, ped/bikes	1.00	0.97	1.00	1.00	0.99	
Flpb, ped/bikes	1.00	1.00	1.00	1.00	1.00	
Frt	1.00	0.85	1.00	1.00	0.96	
Flt Protected	0.95	1.00	0.95	1.00	1.00	
Satd. Flow (prot)	1770	1540	1770	1863	1776	
Flt Permitted	0.95	1.00	0.95	1.00	1.00	
Satd. Flow (perm)	1770	1540	1770	1863	1776	
Peak-hour factor, PHF	0.92	0.92	0.92	0.92	0.92	0.92
Adj. Flow (vph)	33	359	609	109	54	22
RTOR Reduction (vph)	0	300	0	0	20	0
Lane Group Flow (vph)	33	59	609	109	56	0
Confl. Peds. (#/hr)		5				5
Turn Type		Perm	Prot			
Protected Phases	4		5	2	6	
Permitted Phases		4				
Actuated Green, G (s)	8.2	8.2	24.3	33.5	5.2	
Effective Green, g (s)	8.2	8.2	24.3	33.5	5.2	
Actuated g/C Ratio	0.16	0.16	0.49	0.67	0.10	
Clearance Time (s)	4.0	4.0	4.0	4.0	4.0	
Vehicle Extension (s)	3.0	3.0	3.0	3.0	3.0	
Lane Grp Cap (vph)	292	254	865	1256	186	
v/s Ratio Prot	0.02		c0.34	0.06	c0.03	
v/s Ratio Perm		c0.04				
v/c Ratio	0.11	0.23	0.70	0.09	0.30	
Uniform Delay, d1	17.7	18.0	9.9	2.8	20.6	
Progression Factor	1.00	1.00	1.00	1.00	1.00	
Incremental Delay, d2	0.2	0.5	2.6	0.0	0.9	
Delay (s)	17.8	18.5	12.5	2.8	21.5	
Level of Service	B	B	B	A	C	
Approach Delay (s)	18.4			11.0	21.5	
Approach LOS	B			B	C	

Intersection Summary			
HCM Average Control Delay	14.2	HCM Level of Service	B
HCM Volume to Capacity ratio	0.55		
Actuated Cycle Length (s)	49.7	Sum of lost time (s)	12.0
Intersection Capacity Utilization	49.4%	ICU Level of Service	A
Analysis Period (min)	15		

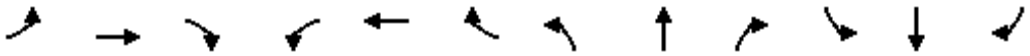
c Critical Lane Group



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Volume (vph)	270	10	190	140	10	200	60	190	40	60	250	80
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Total Lost time (s)	4.0	4.0		4.0	4.0		4.0	4.0		4.0	4.0	
Lane Util. Factor	1.00	1.00		1.00	1.00		1.00	1.00		1.00	1.00	
Frpb, ped/bikes	1.00	0.98		1.00	0.98		1.00	1.00		1.00	0.99	
Flpb, ped/bikes	1.00	1.00		1.00	1.00		1.00	1.00		1.00	1.00	
Frt	1.00	0.86		1.00	0.86		1.00	0.97		1.00	0.96	
Flt Protected	0.95	1.00		0.95	1.00		0.95	1.00		0.95	1.00	
Satd. Flow (prot)	1770	1559		1770	1558		1770	1807		1770	1784	
Flt Permitted	0.62	1.00		0.62	1.00		0.47	1.00		0.60	1.00	
Satd. Flow (perm)	1148	1559		1158	1558		876	1807		1125	1784	
Peak-hour factor, PHF	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
Adj. Flow (vph)	293	11	207	152	11	217	65	207	43	65	272	87
RTOR Reduction (vph)	0	120	0	0	125	0	0	15	0	0	23	0
Lane Group Flow (vph)	293	98	0	152	103	0	65	235	0	65	336	0
Confl. Peds. (#/hr)			5			5			5			5
Turn Type	Perm			Perm			Perm			Perm		
Protected Phases		4			8			2			6	
Permitted Phases	4			8			2			6		
Actuated Green, G (s)	15.3	15.3		15.3	15.3		12.9	12.9		12.9	12.9	
Effective Green, g (s)	15.3	15.3		15.3	15.3		12.9	12.9		12.9	12.9	
Actuated g/C Ratio	0.42	0.42		0.42	0.42		0.36	0.36		0.36	0.36	
Clearance Time (s)	4.0	4.0		4.0	4.0		4.0	4.0		4.0	4.0	
Vehicle Extension (s)	3.0	3.0		3.0	3.0		3.0	3.0		3.0	3.0	
Lane Grp Cap (vph)	485	659		489	658		312	644		401	636	
v/s Ratio Prot		0.06			0.07			0.13			c0.19	
v/s Ratio Perm	c0.26			0.13			0.07			0.06		
v/c Ratio	0.60	0.15		0.31	0.16		0.21	0.37		0.16	0.53	
Uniform Delay, d1	8.1	6.4		6.9	6.5		8.1	8.6		8.0	9.2	
Progression Factor	1.00	1.00		1.00	1.00		1.00	1.00		1.00	1.00	
Incremental Delay, d2	2.1	0.1		0.4	0.1		0.3	0.4		0.2	0.8	
Delay (s)	10.2	6.5		7.3	6.6		8.4	9.0		8.1	10.0	
Level of Service	B	A		A	A		A	A		A	B	
Approach Delay (s)		8.7			6.9			8.9			9.7	
Approach LOS		A			A			A			A	

Intersection Summary			
HCM Average Control Delay	8.6	HCM Level of Service	A
HCM Volume to Capacity ratio	0.57		
Actuated Cycle Length (s)	36.2	Sum of lost time (s)	8.0
Intersection Capacity Utilization	63.3%	ICU Level of Service	B
Analysis Period (min)	15		

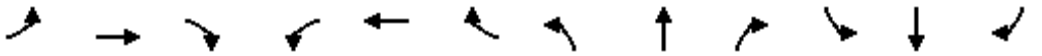
c Critical Lane Group



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Sign Control		Stop			Stop			Stop			Stop	
Volume (vph)	200	800	40	10	360	220	80	40	20	660	40	590
Peak Hour Factor	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85
Hourly flow rate (vph)	235	941	47	12	424	259	94	47	24	776	47	694

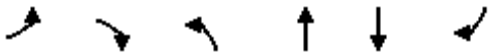
Direction, Lane #	EB 1	EB 2	WB 1	NB 1	NB 2	SB 1
Volume Total (vph)	1176	47	694	94	71	1518
Volume Left (vph)	235	0	12	94	0	776
Volume Right (vph)	0	47	259	0	24	694
Hadj (s)	0.13	-0.67	-0.19	0.53	-0.20	-0.14
Departure Headway (s)	8.5	7.7	8.4	10.2	9.4	8.4
Degree Utilization, x	2.79	0.10	1.61	0.27	0.18	3.54
Capacity (veh/h)	434	459	435	350	377	432
Control Delay (s)	826.9	10.4	306.4	15.6	13.4	1166.2
Approach Delay (s)	795.5		306.4	14.6		1166.2
Approach LOS	F		F	B		F

Intersection Summary				
Delay	821.7			
HCM Level of Service	F			
Intersection Capacity Utilization	177.6%	ICU Level of Service	H	
Analysis Period (min)	15			



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Volume (vph)	120	1610	90	260	600	80	40	100	590	60	120	30
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Total Lost time (s)	5.5	6.1	6.1	5.5	6.1	6.1	5.5	6.1	6.1	5.5	6.1	6.1
Lane Util. Factor	0.97	0.91	1.00	1.00	0.91	1.00	0.97	0.95	1.00	0.97	1.00	1.00
Frt	1.00	1.00	0.85	1.00	1.00	0.85	1.00	1.00	0.85	1.00	1.00	0.85
Flt Protected	0.95	1.00	1.00	0.95	1.00	1.00	0.95	1.00	1.00	0.95	1.00	1.00
Satd. Flow (prot)	3433	5085	1583	1770	5085	1583	3433	3539	1583	3433	1863	1583
Flt Permitted	0.95	1.00	1.00	0.95	1.00	1.00	0.95	1.00	1.00	0.95	1.00	1.00
Satd. Flow (perm)	3433	5085	1583	1770	5085	1583	3433	3539	1583	3433	1863	1583
Peak-hour factor, PHF	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89
Adj. Flow (vph)	135	1809	101	292	674	90	45	112	663	67	135	34
RTOR Reduction (vph)	0	0	59	0	0	74	0	0	190	0	0	28
Lane Group Flow (vph)	135	1809	42	292	674	16	45	112	473	67	135	6
Turn Type	Prot		Perm	Prot		Perm	Prot		Perm	Prot		Perm
Protected Phases	5	2		1	6		7	4		3	8	
Permitted Phases			2			6			4			8
Actuated Green, G (s)	45.5	48.5	48.5	22.5	25.5	25.5	23.2	40.0	40.0	7.1	23.9	23.9
Effective Green, g (s)	45.5	48.5	48.5	22.5	25.5	25.5	23.2	40.0	40.0	7.1	23.9	23.9
Actuated g/C Ratio	0.32	0.34	0.34	0.16	0.18	0.18	0.16	0.28	0.28	0.05	0.17	0.17
Clearance Time (s)	5.5	6.1	6.1	5.5	6.1	6.1	5.5	6.1	6.1	5.5	6.1	6.1
Vehicle Extension (s)	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
Lane Grp Cap (vph)	1105	1745	543	282	918	286	564	1002	448	173	315	268
v/s Ratio Prot	0.04	c0.36		c0.17	0.13		0.01	0.03		c0.02	0.07	
v/s Ratio Perm			0.03			0.01			c0.30			0.00
v/c Ratio	0.12	1.04	0.08	1.04	0.73	0.06	0.08	0.11	1.06	0.39	0.43	0.02
Uniform Delay, d1	33.8	46.4	31.3	59.4	54.7	47.9	50.0	37.5	50.7	65.0	52.6	48.9
Progression Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Incremental Delay, d2	0.0	31.7	0.1	63.1	3.1	0.1	0.1	0.0	58.0	1.4	0.9	0.0
Delay (s)	33.9	78.1	31.4	122.5	57.8	48.0	50.1	37.5	108.7	66.4	53.5	49.0
Level of Service	C	E	C	F	E	D	D	D	F	E	D	D
Approach Delay (s)		72.9			74.8			95.7			56.5	
Approach LOS		E			E			F			E	

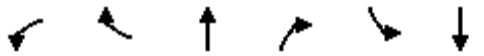
Intersection Summary			
HCM Average Control Delay	77.0	HCM Level of Service	E
HCM Volume to Capacity ratio	1.00		
Actuated Cycle Length (s)	141.3	Sum of lost time (s)	23.2
Intersection Capacity Utilization	87.4%	ICU Level of Service	E
Analysis Period (min)	15		
c Critical Lane Group			



Movement	EBL	EBR	NBL	NBT	SBT	SBR
Lane Configurations						
Sign Control	Stop			Stop	Stop	
Volume (vph)	460	1020	360	120	210	180
Peak Hour Factor	0.98	0.98	0.98	0.98	0.98	0.98
Hourly flow rate (vph)	469	1041	367	122	214	184

Direction, Lane #	EB 1	NB 1	SB 1
Volume Total (vph)	1510	490	398
Volume Left (vph)	469	367	0
Volume Right (vph)	1041	0	184
Hadj (s)	-0.32	0.18	-0.24
Departure Headway (s)	6.4	6.9	6.7
Degree Utilization, x	2.66	0.93	0.74
Capacity (veh/h)	567	516	528
Control Delay (s)	768.4	50.4	26.1
Approach Delay (s)	768.4	50.4	26.1
Approach LOS	F	F	D

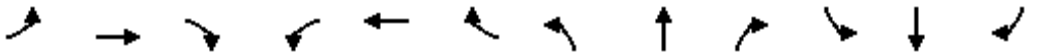
Intersection Summary			
Delay	498.6		
HCM Level of Service	F		
Intersection Capacity Utilization	146.5%	ICU Level of Service	H
Analysis Period (min)	15		



Movement	WBL	WBR	NBT	NBR	SBL	SBT
Lane Configurations						
Volume (veh/h)	10	340	10	10	900	20
Sign Control	Stop		Free			Free
Grade	0%		0%			0%
Peak Hour Factor	0.96	0.96	0.96	0.96	0.96	0.96
Hourly flow rate (vph)	10	354	10	10	938	21
Pedestrians						
Lane Width (ft)						
Walking Speed (ft/s)						
Percent Blockage						
Right turn flare (veh)						
Median type			None			None
Median storage veh)						
Upstream signal (ft)						
pX, platoon unblocked						
vC, conflicting volume	1911	16			21	
vC1, stage 1 conf vol						
vC2, stage 2 conf vol						
vCu, unblocked vol	1911	16			21	
tC, single (s)	6.4	6.2			4.1	
tC, 2 stage (s)						
tF (s)	3.5	3.3			2.2	
p0 queue free %	66	67			41	
cM capacity (veh/h)	31	1064			1595	

Direction, Lane #	WB 1	NB 1	SB 1
Volume Total	365	21	958
Volume Left	10	0	938
Volume Right	354	10	0
cSH	543	1700	1595
Volume to Capacity	0.67	0.01	0.59
Queue Length 95th (ft)	125	0	102
Control Delay (s)	24.1	0.0	10.3
Lane LOS	C		B
Approach Delay (s)	24.1	0.0	10.3
Approach LOS	C		

Intersection Summary			
Average Delay	13.9		
Intersection Capacity Utilization	85.8%	ICU Level of Service	E
Analysis Period (min)	15		



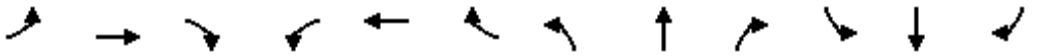
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Volume (vph)	260	10	200	120	10	240	120	1630	100	200	590	150
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Total Lost time (s)	4.0	4.0		4.0	4.0		4.0	4.0	4.0	4.0	4.0	4.0
Lane Util. Factor	1.00	1.00		1.00	1.00		1.00	0.95	1.00	1.00	0.95	1.00
Frpb, ped/bikes	1.00	0.98		1.00	0.97		1.00	1.00	0.96	1.00	1.00	0.96
Flpb, ped/bikes	1.00	1.00		1.00	1.00		1.00	1.00	1.00	1.00	1.00	1.00
Frt	1.00	0.86		1.00	0.86		1.00	1.00	0.85	1.00	1.00	0.85
Flt Protected	0.95	1.00		0.95	1.00		0.95	1.00	1.00	0.95	1.00	1.00
Satd. Flow (prot)	1770	1569		1770	1545		1770	3539	1524	1770	3539	1524
Flt Permitted	0.43	1.00		0.49	1.00		0.95	1.00	1.00	0.95	1.00	1.00
Satd. Flow (perm)	808	1569		920	1545		1770	3539	1524	1770	3539	1524
Peak-hour factor, PHF	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
Adj. Flow (vph)	283	11	217	130	11	261	130	1772	109	217	641	163
RTOR Reduction (vph)	0	146	0	0	157	0	0	0	59	0	0	87
Lane Group Flow (vph)	283	82	0	130	115	0	130	1772	50	217	641	76
Confl. Peds. (#/hr)			5			5			5			5
Turn Type	Perm			Perm			Prot		Perm	Prot		Perm
Protected Phases		4			8		5	2		1	6	
Permitted Phases	4			8					2			6
Actuated Green, G (s)	39.0	39.0		39.0	39.0		13.4	55.0	55.0	14.0	55.6	55.6
Effective Green, g (s)	39.0	39.0		39.0	39.0		13.4	55.0	55.0	14.0	55.6	55.6
Actuated g/C Ratio	0.32	0.32		0.32	0.32		0.11	0.46	0.46	0.12	0.46	0.46
Clearance Time (s)	4.0	4.0		4.0	4.0		4.0	4.0	4.0	4.0	4.0	4.0
Vehicle Extension (s)	3.0	3.0		3.0	3.0		3.0	3.0	3.0	3.0	3.0	3.0
Lane Grp Cap (vph)	263	510		299	502		198	1622	699	207	1640	706
v/s Ratio Prot		0.05			0.07		0.07	c0.50		c0.12	0.18	
v/s Ratio Perm	c0.35			0.14					0.03			0.05
v/c Ratio	1.08	0.16		0.43	0.23		0.66	1.09	0.07	1.05	0.39	0.11
Uniform Delay, d1	40.5	28.8		31.8	29.5		51.1	32.5	18.2	53.0	21.1	18.2
Progression Factor	1.00	1.00		1.00	1.00		1.14	0.83	0.72	1.25	0.54	0.32
Incremental Delay, d2	77.2	0.1		1.0	0.2		5.9	49.9	0.2	74.0	0.7	0.3
Delay (s)	117.7	29.0		32.9	29.8		64.2	76.9	13.3	140.0	12.0	6.1
Level of Service	F	C		C	C		E	E	B	F	B	A
Approach Delay (s)		78.1			30.8			72.6			38.3	
Approach LOS		E			C			E			D	

Intersection Summary			
HCM Average Control Delay	60.2	HCM Level of Service	E
HCM Volume to Capacity ratio	1.08		
Actuated Cycle Length (s)	120.0	Sum of lost time (s)	12.0
Intersection Capacity Utilization	100.4%	ICU Level of Service	G
Analysis Period (min)	15		

c Critical Lane Group

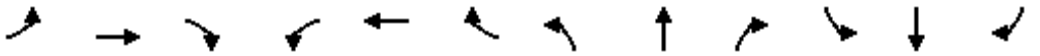
Existing Plus Phase 1 Mitigation A
LOS Calculation Worksheets

FEHR PEERS



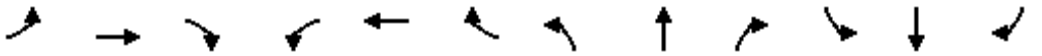
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Volume (vph)	0	0	0	1330	10	250	50	190	0	0	640	310
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Total Lost time (s)				4.0	4.0		4.0	4.0			4.0	2.3
Lane Util. Factor				0.97	1.00		1.00	0.95			0.91	1.00
Frpb, ped/bikes				1.00	1.00		1.00	1.00			1.00	0.99
Flpb, ped/bikes				1.00	1.00		1.00	1.00			1.00	1.00
Frt				1.00	0.86		1.00	1.00			1.00	0.85
Flt Protected				0.95	1.00		0.95	1.00			1.00	1.00
Satd. Flow (prot)				3045	1610		1467	3167			4988	1595
Flt Permitted				0.95	1.00		0.95	1.00			1.00	1.00
Satd. Flow (perm)				3045	1610		1467	3167			4988	1595
Peak-hour factor, PHF	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89
Adj. Flow (vph)	0	0	0	1494	11	281	56	213	0	0	719	348
RTOR Reduction (vph)	0	0	0	0	131	0	0	0	0	0	0	0
Lane Group Flow (vph)	0	0	0	1494	161	0	56	213	0	0	719	348
Confl. Bikes (#/hr)												2
Heavy Vehicles (%)	0%	0%	0%	15%	0%	1%	23%	14%	0%	0%	4%	0%
Turn Type				Perm			Prot					Free
Protected Phases					8		5	2			6	
Permitted Phases				8								Free
Actuated Green, G (s)				38.9	38.9		4.8	25.3			16.0	75.0
Effective Green, g (s)				40.0	40.0		5.3	27.0			17.7	75.0
Actuated g/C Ratio				0.53	0.53		0.07	0.36			0.24	1.00
Clearance Time (s)				5.1	5.1		4.5	5.7			5.7	
Vehicle Extension (s)				3.0	3.0		3.0	3.0			3.0	
Lane Grp Cap (vph)				1624	859		104	1140			1177	1595
v/s Ratio Prot					0.10		c0.04	0.07			c0.14	
v/s Ratio Perm				c0.49								0.22
v/c Ratio				0.92	0.19		0.54	0.19			0.61	0.22
Uniform Delay, d1				16.0	9.1		33.7	16.5			25.6	0.0
Progression Factor				1.00	1.00		1.00	1.43			1.00	1.00
Incremental Delay, d2				8.8	0.1		5.3	0.4			2.4	0.3
Delay (s)				24.8	9.2		39.0	23.9			27.9	0.3
Level of Service				C	A		D	C			C	A
Approach Delay (s)		0.0			22.2			27.0			18.9	
Approach LOS		A			C			C			B	

Intersection Summary			
HCM Average Control Delay	21.5	HCM Level of Service	C
HCM Volume to Capacity ratio	0.80		
Actuated Cycle Length (s)	75.0	Sum of lost time (s)	12.0
Intersection Capacity Utilization	67.0%	ICU Level of Service	C
Analysis Period (min)	15		
c Critical Lane Group			



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Volume (vph)	60	0	130	0	0	0	0	170	390	0	1700	0
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Total Lost time (s)	5.1	5.1	5.1					5.7	4.0		5.7	
Lane Util. Factor	0.95	0.95	1.00					0.95	1.00		0.95	
Frpb, ped/bikes	1.00	1.00	1.00					1.00	1.00		1.00	
Flpb, ped/bikes	1.00	1.00	1.00					1.00	1.00		1.00	
Frt	1.00	1.00	0.85					1.00	0.85		1.00	
Flt Protected	0.95	0.95	1.00					1.00	1.00		1.00	
Satd. Flow (prot)	1715	1715	1404					2959	1009		3112	
Flt Permitted	0.95	0.95	1.00					1.00	1.00		1.00	
Satd. Flow (perm)	1715	1715	1404					2959	1009		3112	
Peak-hour factor, PHF	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90
Adj. Flow (vph)	67	0	144	0	0	0	0	189	433	0	1889	0
RTOR Reduction (vph)	0	0	24	0	0	0	0	0	0	0	0	0
Lane Group Flow (vph)	33	34	120	0	0	0	0	189	433	0	1889	0
Confl. Bikes (#/hr)												1
Heavy Vehicles (%)	0%	0%	15%	0%	0%	0%	0%	22%	60%	0%	16%	0%
Turn Type	Perm		Perm						Free			
Protected Phases		4						2			6	
Permitted Phases	4		4						Free			
Actuated Green, G (s)	10.5	10.5	10.5					53.7	75.0		53.7	
Effective Green, g (s)	10.5	10.5	10.5					53.7	75.0		53.7	
Actuated g/C Ratio	0.14	0.14	0.14					0.72	1.00		0.72	
Clearance Time (s)	5.1	5.1	5.1					5.7			5.7	
Vehicle Extension (s)	3.0	3.0	3.0					3.0			3.0	
Lane Grp Cap (vph)	240	240	197					2119	1009		2228	
v/s Ratio Prot								0.06			c0.61	
v/s Ratio Perm	0.02	0.02	0.09						c0.43			
v/c Ratio	0.14	0.14	0.61					0.09	0.43		0.85	
Uniform Delay, d1	28.3	28.3	30.3					3.2	0.0		7.7	
Progression Factor	1.00	1.00	1.00					1.56	1.00		0.55	
Incremental Delay, d2	0.3	0.3	5.2					0.1	1.3		2.6	
Delay (s)	28.5	28.6	35.6					5.1	1.3		6.8	
Level of Service	C	C	D					A	A		A	
Approach Delay (s)		33.3			0.0			2.5			6.8	
Approach LOS		C			A			A			A	

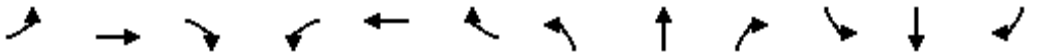
Intersection Summary			
HCM Average Control Delay	7.9	HCM Level of Service	A
HCM Volume to Capacity ratio	0.75		
Actuated Cycle Length (s)	75.0	Sum of lost time (s)	5.7
Intersection Capacity Utilization	64.0%	ICU Level of Service	C
Analysis Period (min)	15		
c Critical Lane Group			



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Volume (vph)	20	270	0	0	300	230	50	0	420	0	0	0
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Total Lost time (s)		4.0			4.0	4.0		4.0	4.0			
Lane Util. Factor		1.00			1.00	1.00		1.00	1.00			
Frt		1.00			1.00	0.85		1.00	0.85			
Flt Protected		1.00			1.00	1.00		0.95	1.00			
Satd. Flow (prot)		1362			1624	1335		1805	1145			
Flt Permitted		1.00			1.00	1.00		0.95	1.00			
Satd. Flow (perm)		1362			1624	1335		1805	1145			
Peak-hour factor, PHF	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85
Adj. Flow (vph)	24	318	0	0	353	271	59	0	494	0	0	0
RTOR Reduction (vph)	0	0	0	0	0	195	0	0	404	0	0	0
Lane Group Flow (vph)	0	342	0	0	353	76	0	59	90	0	0	0
Heavy Vehicles (%)	0%	42%	0%	0%	17%	21%	0%	0%	41%	0%	0%	0%
Turn Type	Split					Perm	Perm		Perm			
Protected Phases	2	2			6			8				
Permitted Phases						6	8		8			
Actuated Green, G (s)		17.6			15.4	15.4		10.0	10.0			
Effective Green, g (s)		17.6			15.4	15.4		10.0	10.0			
Actuated g/C Ratio		0.32			0.28	0.28		0.18	0.18			
Clearance Time (s)		4.0			4.0	4.0		4.0	4.0			
Vehicle Extension (s)		3.0			3.0	3.0		3.0	3.0			
Lane Grp Cap (vph)		436			455	374		328	208			
v/s Ratio Prot		c0.25			c0.22							
v/s Ratio Perm						0.06		0.03	c0.08			
v/c Ratio		0.78			0.78	0.20		0.18	0.43			
Uniform Delay, d1		17.0			18.2	15.1		19.0	20.0			
Progression Factor		1.00			1.00	1.00		1.00	1.00			
Incremental Delay, d2		9.0			8.1	0.3		0.3	1.4			
Delay (s)		25.9			26.3	15.4		19.3	21.4			
Level of Service		C			C	B		B	C			
Approach Delay (s)		25.9			21.6			21.2			0.0	
Approach LOS		C			C			C			A	

Intersection Summary			
HCM Average Control Delay	22.4	HCM Level of Service	C
HCM Volume to Capacity ratio	0.70		
Actuated Cycle Length (s)	55.0	Sum of lost time (s)	12.0
Intersection Capacity Utilization	48.0%	ICU Level of Service	A
Analysis Period (min)	15		

c Critical Lane Group



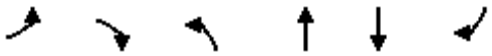
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Volume (vph)	0	30	10	140	210	0	0	0	0	250	10	10
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Total Lost time (s)		4.0			4.0						4.0	4.0
Lane Util. Factor		1.00			1.00						1.00	1.00
Frt		0.97			1.00						1.00	0.85
Flt Protected		1.00			0.98						0.95	1.00
Satd. Flow (prot)		1522			1539						1257	1369
Flt Permitted		1.00			0.98						0.95	1.00
Satd. Flow (perm)		1522			1539						1257	1369
Peak-hour factor, PHF	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86
Adj. Flow (vph)	0	35	12	163	244	0	0	0	0	291	12	12
RTOR Reduction (vph)	0	11	0	0	0	0	0	0	0	0	0	6
Lane Group Flow (vph)	0	36	0	0	407	0	0	0	0	0	303	6
Heavy Vehicles (%)	0%	19%	25%	51%	1%	0%	0%	0%	0%	46%	0%	18%
Turn Type				Split						Perm		Perm
Protected Phases		2		6	6						4	
Permitted Phases										4		4
Actuated Green, G (s)		7.2			21.1						19.9	19.9
Effective Green, g (s)		7.2			21.1						19.9	19.9
Actuated g/C Ratio		0.12			0.35						0.33	0.33
Clearance Time (s)		4.0			4.0						4.0	4.0
Vehicle Extension (s)		3.0			3.0						3.0	3.0
Lane Grp Cap (vph)		182			539						416	453
v/s Ratio Prot		c0.02			c0.26							
v/s Ratio Perm											0.24	0.00
v/c Ratio		0.20			0.76						0.73	0.01
Uniform Delay, d1		23.9			17.3						17.8	13.5
Progression Factor		1.00			1.00						1.00	1.00
Incremental Delay, d2		0.5			6.0						6.3	0.0
Delay (s)		24.4			23.2						24.0	13.6
Level of Service		C			C						C	B
Approach Delay (s)		24.4			23.2			0.0			23.6	
Approach LOS		C			C			A			C	

Intersection Summary			
HCM Average Control Delay	23.5	HCM Level of Service	C
HCM Volume to Capacity ratio	0.66		
Actuated Cycle Length (s)	60.2	Sum of lost time (s)	12.0
Intersection Capacity Utilization	46.5%	ICU Level of Service	A
Analysis Period (min)	15		

c Critical Lane Group

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Volume (vph)	570	180	20	10	590	670	20	10	10	200	10	170
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Total Lost time (s)	4.0	4.0		4.0	4.0	4.0	4.0	4.0		4.0	4.0	
Lane Util. Factor	0.97	0.95		1.00	1.00	1.00	1.00	1.00		0.97	1.00	
Frt	1.00	0.98		1.00	1.00	0.85	1.00	0.93		1.00	0.86	
Flt Protected	0.95	1.00		0.95	1.00	1.00	0.95	1.00		0.95	1.00	
Satd. Flow (prot)	3433	3486		1770	1863	1583	1770	1723		3433	1598	
Flt Permitted	0.95	1.00		0.95	1.00	1.00	0.95	1.00		0.95	1.00	
Satd. Flow (perm)	3433	3486		1770	1863	1583	1770	1723		3433	1598	
Peak-hour factor, PHF	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87
Adj. Flow (vph)	655	207	23	11	678	770	23	11	11	230	11	195
RTOR Reduction (vph)	0	5	0	0	0	391	0	10	0	0	165	0
Lane Group Flow (vph)	655	225	0	11	678	379	23	12	0	230	41	0
Turn Type	Prot			Prot		Perm	Prot			Prot		
Protected Phases	7	4		3	8		5	2		1	6	
Permitted Phases						8						
Actuated Green, G (s)	19.1	61.4		1.1	43.4	43.4	2.3	9.9		7.0	14.6	
Effective Green, g (s)	19.1	61.4		1.1	43.4	43.4	2.3	9.9		7.0	14.6	
Actuated g/C Ratio	0.20	0.64		0.01	0.45	0.45	0.02	0.10		0.07	0.15	
Clearance Time (s)	4.0	4.0		4.0	4.0	4.0	4.0	4.0		4.0	4.0	
Vehicle Extension (s)	3.0	3.0		3.0	3.0	3.0	3.0	3.0		3.0	3.0	
Lane Grp Cap (vph)	687	2244		20	848	720	43	179		252	245	
v/s Ratio Prot	c0.19	0.06		0.01	c0.36		0.01	0.01		c0.07	c0.03	
v/s Ratio Perm						0.24						
v/c Ratio	0.95	0.10		0.55	0.80	0.53	0.53	0.07		0.91	0.17	
Uniform Delay, d1	37.7	6.5		46.9	22.3	18.6	46.0	38.6		43.9	35.1	
Progression Factor	1.00	1.00		1.00	1.00	1.00	1.00	1.00		1.00	1.00	
Incremental Delay, d2	23.3	0.0		28.9	5.3	0.7	12.2	0.2		34.2	0.3	
Delay (s)	61.1	6.5		75.8	27.6	19.3	58.2	38.7		78.1	35.4	
Level of Service	E	A		E	C	B	E	D		E	D	
Approach Delay (s)		46.9			23.6			48.7			57.9	
Approach LOS		D			C			D			E	

Intersection Summary			
HCM Average Control Delay	36.6	HCM Level of Service	D
HCM Volume to Capacity ratio	0.74		
Actuated Cycle Length (s)	95.4	Sum of lost time (s)	12.0
Intersection Capacity Utilization	73.9%	ICU Level of Service	D
Analysis Period (min)	15		
c Critical Lane Group			



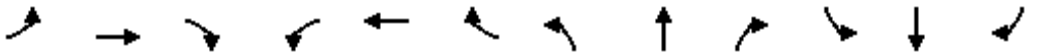
Movement	EBL	EBR	NBL	NBT	SBT	SBR
Lane Configurations						
Volume (vph)	130	210	840	420	220	410
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900
Total Lost time (s)	4.0	4.0	4.0	4.0	4.0	4.0
Lane Util. Factor	1.00	1.00	0.97	1.00	1.00	1.00
Frt	1.00	0.85	1.00	1.00	1.00	0.85
Flt Protected	0.95	1.00	0.95	1.00	1.00	1.00
Satd. Flow (prot)	1770	1583	3433	1863	1863	1583
Flt Permitted	0.95	1.00	0.95	1.00	1.00	1.00
Satd. Flow (perm)	1770	1583	3433	1863	1863	1583
Peak-hour factor, PHF	0.87	0.87	0.87	0.87	0.87	0.87
Adj. Flow (vph)	149	241	966	483	253	471
RTOR Reduction (vph)	0	197	0	0	0	323
Lane Group Flow (vph)	149	44	966	483	253	148
Turn Type		Perm	Prot			Perm
Protected Phases	4		5	2	6	
Permitted Phases		4				6
Actuated Green, G (s)	11.1	11.1	23.7	41.8	14.1	14.1
Effective Green, g (s)	11.1	11.1	23.7	41.8	14.1	14.1
Actuated g/C Ratio	0.18	0.18	0.39	0.69	0.23	0.23
Clearance Time (s)	4.0	4.0	4.0	4.0	4.0	4.0
Vehicle Extension (s)	3.0	3.0	3.0	3.0	3.0	3.0
Lane Grp Cap (vph)	323	289	1336	1279	431	367
v/s Ratio Prot	c0.08		c0.28	0.26	c0.14	
v/s Ratio Perm		0.03				0.09
v/c Ratio	0.46	0.15	0.72	0.38	0.59	0.40
Uniform Delay, d1	22.2	20.9	15.8	4.0	20.8	19.8
Progression Factor	1.00	1.00	1.00	1.00	1.00	1.00
Incremental Delay, d2	1.0	0.2	2.0	0.2	2.0	0.7
Delay (s)	23.3	21.2	17.8	4.2	22.9	20.6
Level of Service	C	C	B	A	C	C
Approach Delay (s)	22.0			13.3	21.4	
Approach LOS	C			B	C	

Intersection Summary			
HCM Average Control Delay	16.9	HCM Level of Service	B
HCM Volume to Capacity ratio	0.62		
Actuated Cycle Length (s)	60.9	Sum of lost time (s)	12.0
Intersection Capacity Utilization	56.0%	ICU Level of Service	B
Analysis Period (min)	15		
c Critical Lane Group			



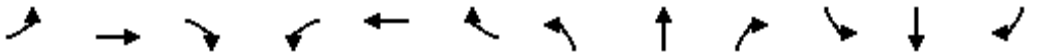
Movement	WBL	WBR	NBT	NBR	SBL	SBT
Lane Configurations						
Volume (vph)	10	880	20	10	300	10
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900
Total Lost time (s)	4.0		4.0			4.0
Lane Util. Factor	1.00		1.00			1.00
Frt	0.87		0.96			1.00
Flt Protected	1.00		1.00			0.95
Satd. Flow (prot)	1613		1781			1777
Flt Permitted	1.00		1.00			0.71
Satd. Flow (perm)	1613		1781			1318
Peak-hour factor, PHF	0.88	0.88	0.88	0.88	0.88	0.88
Adj. Flow (vph)	11	1000	23	11	341	11
RTOR Reduction (vph)	637	0	7	0	0	0
Lane Group Flow (vph)	374	0	27	0	0	352
Turn Type					Perm	
Protected Phases	8		2			6
Permitted Phases					6	
Actuated Green, G (s)	11.8		12.7			12.7
Effective Green, g (s)	11.8		12.7			12.7
Actuated g/C Ratio	0.36		0.39			0.39
Clearance Time (s)	4.0		4.0			4.0
Vehicle Extension (s)	3.0		3.0			3.0
Lane Grp Cap (vph)	586		696			515
v/s Ratio Prot	c0.23		0.02			
v/s Ratio Perm						c0.27
v/c Ratio	0.64		0.04			0.68
Uniform Delay, d1	8.6		6.1			8.2
Progression Factor	1.00		1.00			1.00
Incremental Delay, d2	2.3		0.0			3.7
Delay (s)	10.9		6.1			12.0
Level of Service	B		A			B
Approach Delay (s)	10.9		6.1			12.0
Approach LOS	B		A			B

Intersection Summary			
HCM Average Control Delay	11.0	HCM Level of Service	B
HCM Volume to Capacity ratio	0.66		
Actuated Cycle Length (s)	32.5	Sum of lost time (s)	8.0
Intersection Capacity Utilization	85.5%	ICU Level of Service	E
Analysis Period (min)	15		
c Critical Lane Group			



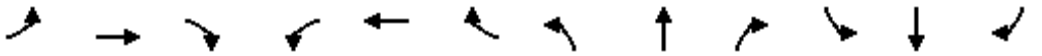
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Volume (vph)	0	0	0	640	0	260	160	680	0	0	400	90
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Total Lost time (s)				4.0	4.0		4.0	4.0			4.0	2.3
Lane Util. Factor				0.97	1.00		1.00	0.95			0.91	1.00
Frpb, ped/bikes				1.00	1.00		1.00	1.00			1.00	1.00
Flpb, ped/bikes				1.00	1.00		1.00	1.00			1.00	1.00
Frt				1.00	0.85		1.00	1.00			1.00	0.85
Flt Protected				0.95	1.00		0.95	1.00			1.00	1.00
Satd. Flow (prot)				3045	1615		1641	3539			5136	1599
Flt Permitted				0.95	1.00		0.95	1.00			1.00	1.00
Satd. Flow (perm)				3045	1615		1641	3539			5136	1599
Peak-hour factor, PHF	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93
Adj. Flow (vph)	0	0	0	688	0	280	172	731	0	0	430	97
RTOR Reduction (vph)	0	0	0	0	112	0	0	0	0	0	0	0
Lane Group Flow (vph)	0	0	0	688	168	0	172	731	0	0	430	97
Confl. Bikes (#/hr)									2			
Heavy Vehicles (%)	0%	0%	0%	15%	0%	0%	10%	2%	0%	0%	1%	1%
Turn Type				Perm			Prot					Free
Protected Phases					8		5	2			6	
Permitted Phases				8								Free
Actuated Green, G (s)				35.1	35.1		17.9	74.1			51.7	120.0
Effective Green, g (s)				36.2	36.2		18.4	75.8			53.4	120.0
Actuated g/C Ratio				0.30	0.30		0.15	0.63			0.44	1.00
Clearance Time (s)				5.1	5.1		4.5	5.7			5.7	
Vehicle Extension (s)				3.0	3.0		3.0	3.0			3.0	
Lane Grp Cap (vph)				919	487		252	2235			2286	1599
v/s Ratio Prot					0.10		c0.10	c0.21			0.08	
v/s Ratio Perm				c0.23								0.06
v/c Ratio				0.75	0.35		0.68	0.33			0.19	0.06
Uniform Delay, d1				37.8	32.7		48.0	10.3			20.2	0.0
Progression Factor				1.00	1.00		1.01	1.47			1.00	1.00
Incremental Delay, d2				3.4	0.4		7.2	0.4			0.2	0.1
Delay (s)				41.2	33.1		55.9	15.5			20.4	0.1
Level of Service				D	C		E	B			C	A
Approach Delay (s)		0.0			38.8			23.2			16.6	
Approach LOS		A			D			C			B	

Intersection Summary			
HCM Average Control Delay	28.1	HCM Level of Service	C
HCM Volume to Capacity ratio	0.52		
Actuated Cycle Length (s)	120.0	Sum of lost time (s)	8.0
Intersection Capacity Utilization	47.1%	ICU Level of Service	A
Analysis Period (min)	15		
c Critical Lane Group			



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Volume (vph)	260	10	110	0	0	0	0	580	1540	0	830	0
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Total Lost time (s)	5.1	5.1	5.1					5.7	4.0		5.7	
Lane Util. Factor	0.95	0.95	1.00					0.95	1.00		0.95	
Frpb, ped/bikes	1.00	1.00	1.00					1.00	0.99		1.00	
Flpb, ped/bikes	1.00	1.00	1.00					1.00	1.00		1.00	
Frt	1.00	1.00	0.85					1.00	0.85		1.00	
Flt Protected	0.95	0.96	1.00					1.00	1.00		1.00	
Satd. Flow (prot)	1715	1725	1495					3343	1450		3195	
Flt Permitted	0.95	0.96	1.00					1.00	1.00		1.00	
Satd. Flow (perm)	1715	1725	1495					3343	1450		3195	
Peak-hour factor, PHF	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87
Adj. Flow (vph)	299	11	126	0	0	0	0	667	1770	0	954	0
RTOR Reduction (vph)	0	0	91	0	0	0	0	0	0	0	0	0
Lane Group Flow (vph)	155	155	35	0	0	0	0	667	1770	0	954	0
Confl. Bikes (#/hr)									1			
Heavy Vehicles (%)	0%	0%	8%	0%	0%	0%	0%	8%	10%	0%	13%	0%
Turn Type	Perm		Perm						Free			
Protected Phases		4						2			6	
Permitted Phases	4		4						Free			
Actuated Green, G (s)	11.1	11.1	11.1					38.1	60.0		38.1	
Effective Green, g (s)	11.1	11.1	11.1					38.1	60.0		38.1	
Actuated g/C Ratio	0.18	0.18	0.18					0.64	1.00		0.64	
Clearance Time (s)	5.1	5.1	5.1					5.7			5.7	
Vehicle Extension (s)	3.0	3.0	3.0					3.0			3.0	
Lane Grp Cap (vph)	317	319	277					2123	1450		2029	
v/s Ratio Prot								0.20			0.30	
v/s Ratio Perm	0.09	0.09	0.02						c1.22			
v/c Ratio	0.49	0.49	0.13					0.31	1.22		0.47	
Uniform Delay, d1	21.9	21.9	20.4					5.0	30.0		5.7	
Progression Factor	1.00	1.00	1.00					1.21	1.00		0.54	
Incremental Delay, d2	1.2	1.2	0.2					0.1	101.3		0.7	
Delay (s)	23.1	23.1	20.6					6.1	131.3		3.8	
Level of Service	C	C	C					A	F		A	
Approach Delay (s)		22.4			0.0			97.1			3.8	
Approach LOS		C			A			F			A	

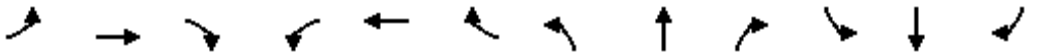
Intersection Summary			
HCM Average Control Delay	65.3	HCM Level of Service	E
HCM Volume to Capacity ratio	1.22		
Actuated Cycle Length (s)	60.0	Sum of lost time (s)	0.0
Intersection Capacity Utilization	39.4%	ICU Level of Service	A
Analysis Period (min)	15		
c Critical Lane Group			



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Volume (vph)	10	450	0	0	500	290	10	10	220	0	0	0
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Total Lost time (s)		4.0			4.0	4.0		4.0	4.0			
Lane Util. Factor		1.00			1.00	1.00		1.00	1.00			
Frt		1.00			1.00	0.85		1.00	0.85			
Flt Protected		1.00			1.00	1.00		0.98	1.00			
Satd. Flow (prot)		1793			1727	1346		1854	1468			
Flt Permitted		1.00			1.00	1.00		0.98	1.00			
Satd. Flow (perm)		1793			1727	1346		1854	1468			
Peak-hour factor, PHF	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93
Adj. Flow (vph)	11	484	0	0	538	312	11	11	237	0	0	0
RTOR Reduction (vph)	0	0	0	0	0	195	0	0	210	0	0	0
Lane Group Flow (vph)	0	495	0	0	538	117	0	22	27	0	0	0
Heavy Vehicles (%)	0%	6%	0%	0%	10%	20%	0%	0%	10%	0%	0%	0%
Turn Type	Split					Perm	Perm		Perm			
Protected Phases	2	2			6			8				
Permitted Phases						6	8		8			
Actuated Green, G (s)		22.8			25.5	25.5		7.7	7.7			
Effective Green, g (s)		22.8			25.5	25.5		7.7	7.7			
Actuated g/C Ratio		0.34			0.38	0.38		0.11	0.11			
Clearance Time (s)		4.0			4.0	4.0		4.0	4.0			
Vehicle Extension (s)		3.0			3.0	3.0		3.0	3.0			
Lane Grp Cap (vph)		601			648	505		210	166			
v/s Ratio Prot		c0.28			c0.31							
v/s Ratio Perm						0.09		0.01	c0.02			
v/c Ratio		0.82			0.83	0.23		0.10	0.16			
Uniform Delay, d1		20.8			19.3	14.5		27.1	27.2			
Progression Factor		1.00			1.00	1.00		1.00	1.00			
Incremental Delay, d2		8.9			8.9	0.2		0.2	0.5			
Delay (s)		29.7			28.1	14.8		27.3	27.7			
Level of Service		C			C	B		C	C			
Approach Delay (s)		29.7			23.2			27.7			0.0	
Approach LOS		C			C			C			A	

Intersection Summary			
HCM Average Control Delay	25.9	HCM Level of Service	C
HCM Volume to Capacity ratio	0.74		
Actuated Cycle Length (s)	68.0	Sum of lost time (s)	12.0
Intersection Capacity Utilization	55.5%	ICU Level of Service	B
Analysis Period (min)	15		

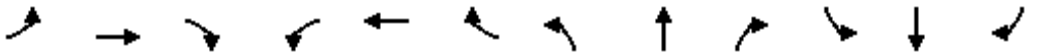
c Critical Lane Group



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Volume (vph)	0	190	140	480	20	0	0	0	0	270	10	70
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Total Lost time (s)		4.0			4.0						4.0	4.0
Lane Util. Factor		1.00			1.00						1.00	1.00
Frt		0.94			1.00						1.00	0.85
Flt Protected		1.00			0.95						0.95	1.00
Satd. Flow (prot)		1773			1654						1654	1615
Flt Permitted		1.00			0.95						0.95	1.00
Satd. Flow (perm)		1773			1654						1654	1615
Peak-hour factor, PHF	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91
Adj. Flow (vph)	0	209	154	527	22	0	0	0	0	297	11	77
RTOR Reduction (vph)	0	33	0	0	0	0	0	0	0	0	0	38
Lane Group Flow (vph)	0	330	0	0	549	0	0	0	0	0	308	39
Heavy Vehicles (%)	0%	1%	1%	10%	0%	0%	0%	0%	0%	9%	25%	0%
Turn Type				Split						Perm		Perm
Protected Phases		2		6	6						4	
Permitted Phases										4		4
Actuated Green, G (s)		16.6			27.6						17.0	17.0
Effective Green, g (s)		16.6			27.6						17.0	17.0
Actuated g/C Ratio		0.23			0.38						0.23	0.23
Clearance Time (s)		4.0			4.0						4.0	4.0
Vehicle Extension (s)		3.0			3.0						3.0	3.0
Lane Grp Cap (vph)		402			624						384	375
v/s Ratio Prot		c0.19			c0.33							
v/s Ratio Perm											0.19	0.02
v/c Ratio		0.82			0.88						0.80	0.10
Uniform Delay, d1		26.9			21.3						26.5	22.1
Progression Factor		1.00			1.00						1.00	1.00
Incremental Delay, d2		12.6			13.4						11.4	0.1
Delay (s)		39.5			34.7						38.0	22.2
Level of Service		D			C						D	C
Approach Delay (s)		39.5			34.7			0.0			34.8	
Approach LOS		D			C			A			C	

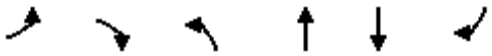
Intersection Summary			
HCM Average Control Delay	36.1	HCM Level of Service	D
HCM Volume to Capacity ratio	0.84		
Actuated Cycle Length (s)	73.2	Sum of lost time (s)	12.0
Intersection Capacity Utilization	71.7%	ICU Level of Service	C
Analysis Period (min)	15		

c Critical Lane Group



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Volume (vph)	200	800	40	10	360	220	80	40	20	660	40	590
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Total Lost time (s)	4.0	4.0		4.0	4.0	4.0	4.0	4.0		4.0	4.0	
Lane Util. Factor	0.97	0.95		1.00	1.00	1.00	1.00	1.00		0.97	1.00	
Frt	1.00	0.99		1.00	1.00	0.85	1.00	0.95		1.00	0.86	
Flt Protected	0.95	1.00		0.95	1.00	1.00	0.95	1.00		0.95	1.00	
Satd. Flow (prot)	3433	3514		1770	1863	1583	1770	1768		3433	1601	
Flt Permitted	0.95	1.00		0.95	1.00	1.00	0.95	1.00		0.95	1.00	
Satd. Flow (perm)	3433	3514		1770	1863	1583	1770	1768		3433	1601	
Peak-hour factor, PHF	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85
Adj. Flow (vph)	235	941	47	12	424	259	94	47	24	776	47	694
RTOR Reduction (vph)	0	3	0	0	0	184	0	16	0	0	171	0
Lane Group Flow (vph)	235	985	0	12	424	75	94	55	0	776	570	0
Turn Type	Prot			Prot		Perm	Prot			Prot		
Protected Phases	7	4		3	8		5	2		1	6	
Permitted Phases						8						
Actuated Green, G (s)	10.1	38.9		2.1	30.9	30.9	8.8	22.5		27.3	41.0	
Effective Green, g (s)	10.1	38.9		2.1	30.9	30.9	8.8	22.5		27.3	41.0	
Actuated g/C Ratio	0.09	0.36		0.02	0.29	0.29	0.08	0.21		0.26	0.38	
Clearance Time (s)	4.0	4.0		4.0	4.0	4.0	4.0	4.0		4.0	4.0	
Vehicle Extension (s)	3.0	3.0		3.0	3.0	3.0	3.0	3.0		3.0	3.0	
Lane Grp Cap (vph)	325	1280		35	539	458	146	372		878	615	
v/s Ratio Prot	c0.07	c0.28		0.01	0.23		0.05	0.03		c0.23	c0.36	
v/s Ratio Perm						0.05						
v/c Ratio	0.72	0.77		0.34	0.79	0.16	0.64	0.15		0.88	0.93	
Uniform Delay, d1	47.0	30.0		51.7	34.9	28.3	47.5	34.3		38.2	31.5	
Progression Factor	1.00	1.00		1.00	1.00	1.00	1.00	1.00		1.00	1.00	
Incremental Delay, d2	7.7	2.9		5.8	7.4	0.2	9.3	0.2		10.5	20.0	
Delay (s)	54.7	32.9		57.5	42.4	28.5	56.8	34.5		48.7	51.5	
Level of Service	D	C		E	D	C	E	C		D	D	
Approach Delay (s)		37.1			37.5			47.2			50.1	
Approach LOS		D			D			D			D	

Intersection Summary			
HCM Average Control Delay	43.1	HCM Level of Service	D
HCM Volume to Capacity ratio	0.81		
Actuated Cycle Length (s)	106.8	Sum of lost time (s)	8.0
Intersection Capacity Utilization	83.1%	ICU Level of Service	E
Analysis Period (min)	15		
c Critical Lane Group			



Movement	EBL	EBR	NBL	NBT	SBT	SBR
Lane Configurations						
Volume (vph)	460	1020	360	120	210	180
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900
Total Lost time (s)	4.0	4.0	4.0	4.0	4.0	4.0
Lane Util. Factor	1.00	1.00	0.97	1.00	1.00	1.00
Frt	1.00	0.85	1.00	1.00	1.00	0.85
Flt Protected	0.95	1.00	0.95	1.00	1.00	1.00
Satd. Flow (prot)	1770	1583	3433	1863	1863	1583
Flt Permitted	0.95	1.00	0.95	1.00	1.00	1.00
Satd. Flow (perm)	1770	1583	3433	1863	1863	1583
Peak-hour factor, PHF	0.98	0.98	0.98	0.98	0.98	0.98
Adj. Flow (vph)	469	1041	367	122	214	184
RTOR Reduction (vph)	0	289	0	0	0	150
Lane Group Flow (vph)	469	752	367	122	214	34
Turn Type		Perm	Prot			Perm
Protected Phases	4		5	2	6	
Permitted Phases		4				6
Actuated Green, G (s)	37.4	37.4	10.0	27.4	13.4	13.4
Effective Green, g (s)	37.4	37.4	10.0	27.4	13.4	13.4
Actuated g/C Ratio	0.51	0.51	0.14	0.38	0.18	0.18
Clearance Time (s)	4.0	4.0	4.0	4.0	4.0	4.0
Vehicle Extension (s)	3.0	3.0	3.0	3.0	3.0	3.0
Lane Grp Cap (vph)	909	813	472	701	343	291
v/s Ratio Prot	0.27		c0.11	0.07	c0.11	
v/s Ratio Perm		c0.48				0.02
v/c Ratio	0.52	0.93	0.78	0.17	0.62	0.12
Uniform Delay, d1	11.7	16.4	30.3	15.1	27.4	24.8
Progression Factor	1.00	1.00	1.00	1.00	1.00	1.00
Incremental Delay, d2	0.5	16.1	7.9	0.1	3.5	0.2
Delay (s)	12.2	32.5	38.2	15.3	30.9	24.9
Level of Service	B	C	D	B	C	C
Approach Delay (s)	26.2			32.5	28.1	
Approach LOS	C			C	C	

Intersection Summary			
HCM Average Control Delay	27.8	HCM Level of Service	C
HCM Volume to Capacity ratio	0.83		
Actuated Cycle Length (s)	72.8	Sum of lost time (s)	12.0
Intersection Capacity Utilization	80.9%	ICU Level of Service	D
Analysis Period (min)	15		
c Critical Lane Group			



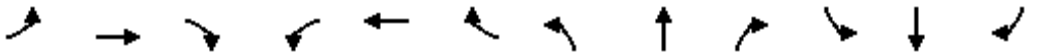
Movement	WBL	WBR	NBT	NBR	SBL	SBT
Lane Configurations						
Volume (vph)	10	340	10	10	900	20
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900
Total Lost time (s)	4.0		4.0			4.0
Lane Util. Factor	1.00		1.00			1.00
Frt	0.87		0.93			1.00
Flt Protected	1.00		1.00			0.95
Satd. Flow (prot)	1616		1737			1776
Flt Permitted	1.00		1.00			0.72
Satd. Flow (perm)	1616		1737			1334
Peak-hour factor, PHF	0.96	0.96	0.96	0.96	0.96	0.96
Adj. Flow (vph)	10	354	10	10	938	21
RTOR Reduction (vph)	317	0	2	0	0	0
Lane Group Flow (vph)	47	0	18	0	0	959
Turn Type					Perm	
Protected Phases	8		2			6
Permitted Phases					6	
Actuated Green, G (s)	8.4		63.0			63.0
Effective Green, g (s)	8.4		63.0			63.0
Actuated g/C Ratio	0.11		0.79			0.79
Clearance Time (s)	4.0		4.0			4.0
Vehicle Extension (s)	3.0		3.0			3.0
Lane Grp Cap (vph)	171		1378			1058
v/s Ratio Prot	c0.03		0.01			
v/s Ratio Perm						c0.72
v/c Ratio	0.28		0.01			0.91
Uniform Delay, d1	32.7		1.7			6.0
Progression Factor	1.00		1.00			1.00
Incremental Delay, d2	0.9		0.0			11.0
Delay (s)	33.6		1.7			17.0
Level of Service	C		A			B
Approach Delay (s)	33.6		1.7			17.0
Approach LOS	C		A			B

Intersection Summary			
HCM Average Control Delay	21.3	HCM Level of Service	C
HCM Volume to Capacity ratio	0.83		
Actuated Cycle Length (s)	79.4	Sum of lost time (s)	8.0
Intersection Capacity Utilization	85.8%	ICU Level of Service	E
Analysis Period (min)	15		
c Critical Lane Group			

Existing Plus Phase 1 Mitigation B
LOS Calculation Worksheets

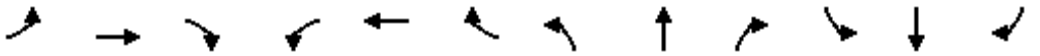
Note: Alternative Mitigation B, construct New Schulte Road from Hansen Road to Lammers Road, redistributes vehicle turn movements within the study area. The following sheets show the alternate intersection turn volumes and the LOS calculation worksheets for Mitigation B.

FEHR PEERS



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Volume (vph)	0	0	0	1330	0	250	50	190	0	0	640	310
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Total Lost time (s)				4.0	4.0		4.0	4.0			4.0	2.3
Lane Util. Factor				0.97	1.00		1.00	0.95			0.91	1.00
Frpb, ped/bikes				1.00	1.00		1.00	1.00			1.00	0.99
Flpb, ped/bikes				1.00	1.00		1.00	1.00			1.00	1.00
Frt				1.00	0.85		1.00	1.00			1.00	0.85
Flt Protected				0.95	1.00		0.95	1.00			1.00	1.00
Satd. Flow (prot)				3045	1599		1467	3167			4988	1595
Flt Permitted				0.95	1.00		0.95	1.00			1.00	1.00
Satd. Flow (perm)				3045	1599		1467	3167			4988	1595
Peak-hour factor, PHF	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89
Adj. Flow (vph)	0	0	0	1494	0	281	56	213	0	0	719	348
RTOR Reduction (vph)	0	0	0	0	86	0	0	0	0	0	0	0
Lane Group Flow (vph)	0	0	0	1494	195	0	56	213	0	0	719	348
Confl. Bikes (#/hr)												2
Heavy Vehicles (%)	0%	0%	0%	15%	0%	1%	23%	14%	0%	0%	4%	0%
Turn Type				Perm			Prot					Free
Protected Phases					8		5	2			6	
Permitted Phases				8								Free
Actuated Green, G (s)				102.9	102.9		7.6	36.3			24.2	150.0
Effective Green, g (s)				104.0	104.0		8.1	38.0			25.9	150.0
Actuated g/C Ratio				0.69	0.69		0.05	0.25			0.17	1.00
Clearance Time (s)				5.1	5.1		4.5	5.7			5.7	
Vehicle Extension (s)				3.0	3.0		3.0	3.0			3.0	
Lane Grp Cap (vph)				2111	1109		79	802			861	1595
v/s Ratio Prot					0.12		c0.04	0.07			c0.14	
v/s Ratio Perm				c0.49								0.22
v/c Ratio				0.71	0.18		0.71	0.27			0.84	0.22
Uniform Delay, d1				13.8	8.0		69.8	44.8			60.0	0.0
Progression Factor				1.00	1.00		0.95	1.04			1.00	1.00
Incremental Delay, d2				2.0	0.3		25.1	0.8			9.4	0.3
Delay (s)				15.9	8.4		91.4	47.2			69.4	0.3
Level of Service				B	A		F	D			E	A
Approach Delay (s)		0.0			14.7			56.4			46.9	
Approach LOS		A			B			E			D	

Intersection Summary			
HCM Average Control Delay	29.3	HCM Level of Service	C
HCM Volume to Capacity ratio	0.73		
Actuated Cycle Length (s)	150.0	Sum of lost time (s)	12.0
Intersection Capacity Utilization	67.0%	ICU Level of Service	C
Analysis Period (min)	15		
c Critical Lane Group			



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Volume (vph)	60	0	130	0	0	0	0	170	390	0	1700	0
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Total Lost time (s)	5.1	5.1	5.1					5.7	4.0		5.7	
Lane Util. Factor	0.95	0.95	1.00					0.95	1.00		0.95	
Frpb, ped/bikes	1.00	1.00	1.00					1.00	1.00		1.00	
Flpb, ped/bikes	1.00	1.00	1.00					1.00	1.00		1.00	
Frt	1.00	1.00	0.85					1.00	0.85		1.00	
Flt Protected	0.95	0.95	1.00					1.00	1.00		1.00	
Satd. Flow (prot)	1715	1715	1404					2959	1009		3112	
Flt Permitted	0.95	0.95	1.00					1.00	1.00		1.00	
Satd. Flow (perm)	1715	1715	1404					2959	1009		3112	
Peak-hour factor, PHF	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90
Adj. Flow (vph)	67	0	144	0	0	0	0	189	433	0	1889	0
RTOR Reduction (vph)	0	0	24	0	0	0	0	0	0	0	0	0
Lane Group Flow (vph)	33	34	120	0	0	0	0	189	433	0	1889	0
Confl. Bikes (#/hr)												1
Heavy Vehicles (%)	0%	0%	15%	0%	0%	0%	0%	22%	60%	0%	16%	0%
Turn Type	Perm		Perm						Free			
Protected Phases		4						2			6	
Permitted Phases	4		4						Free			
Actuated Green, G (s)	10.5	10.5	10.5					53.7	75.0		53.7	
Effective Green, g (s)	10.5	10.5	10.5					53.7	75.0		53.7	
Actuated g/C Ratio	0.14	0.14	0.14					0.72	1.00		0.72	
Clearance Time (s)	5.1	5.1	5.1					5.7			5.7	
Vehicle Extension (s)	3.0	3.0	3.0					3.0			3.0	
Lane Grp Cap (vph)	240	240	197					2119	1009		2228	
v/s Ratio Prot								0.06			c0.61	
v/s Ratio Perm	0.02	0.02	0.09						c0.43			
v/c Ratio	0.14	0.14	0.61					0.09	0.43		0.85	
Uniform Delay, d1	28.3	28.3	30.3					3.2	0.0		7.7	
Progression Factor	1.00	1.00	1.00					0.83	1.00		2.00	
Incremental Delay, d2	0.3	0.3	5.2					0.1	1.3		2.9	
Delay (s)	28.5	28.6	35.6					2.8	1.3		18.3	
Level of Service	C	C	D					A	A		B	
Approach Delay (s)		33.3			0.0			1.8			18.3	
Approach LOS		C			A			A			B	

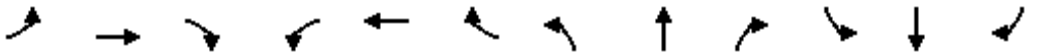
Intersection Summary			
HCM Average Control Delay	15.7	HCM Level of Service	B
HCM Volume to Capacity ratio	0.75		
Actuated Cycle Length (s)	75.0	Sum of lost time (s)	5.7
Intersection Capacity Utilization	64.0%	ICU Level of Service	C
Analysis Period (min)	15		
c Critical Lane Group			



Movement	WBL	WBR	NBT	NBR	SBL	SBT
Lane Configurations						
Volume (vph)	10	240	410	30	710	900
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900
Total Lost time (s)	4.0	4.0	4.0	4.0	4.0	4.0
Lane Util. Factor	1.00	0.88	0.95	1.00	0.97	0.95
Frpb, ped/bikes	1.00	0.97	1.00	0.98	1.00	1.00
Flpb, ped/bikes	1.00	1.00	1.00	1.00	1.00	1.00
Frt	1.00	0.85	1.00	0.85	1.00	1.00
Flt Protected	0.95	1.00	1.00	1.00	0.95	1.00
Satd. Flow (prot)	1770	2690	3539	1548	3433	3539
Flt Permitted	0.95	1.00	1.00	1.00	0.95	1.00
Satd. Flow (perm)	1770	2690	3539	1548	3433	3539
Peak-hour factor, PHF	0.92	0.92	0.92	0.92	0.92	0.92
Adj. Flow (vph)	11	261	446	33	772	978
RTOR Reduction (vph)	0	227	0	17	0	0
Lane Group Flow (vph)	11	34	446	16	772	978
Confl. Peds. (#/hr)		10		10		
Turn Type		Perm		Perm	Prot	
Protected Phases	8		2		1	6
Permitted Phases		8		2		
Actuated Green, G (s)	9.8	9.8	37.2	37.2	16.0	57.2
Effective Green, g (s)	9.8	9.8	37.2	37.2	16.0	57.2
Actuated g/C Ratio	0.13	0.13	0.50	0.50	0.21	0.76
Clearance Time (s)	4.0	4.0	4.0	4.0	4.0	4.0
Vehicle Extension (s)	3.0	3.0	3.0	3.0	3.0	3.0
Lane Grp Cap (vph)	231	351	1755	768	732	2699
v/s Ratio Prot	0.01		0.13		c0.22	c0.28
v/s Ratio Perm		c0.01		0.01		
v/c Ratio	0.05	0.10	0.25	0.02	1.05	0.36
Uniform Delay, d1	28.5	28.7	10.9	9.6	29.5	2.9
Progression Factor	1.00	1.00	1.00	1.00	1.02	2.48
Incremental Delay, d2	0.1	0.1	0.3	0.1	40.4	0.2
Delay (s)	28.6	28.8	11.2	9.7	70.4	7.4
Level of Service	C	C	B	A	E	A
Approach Delay (s)	28.8		11.1			35.2
Approach LOS	C		B			D

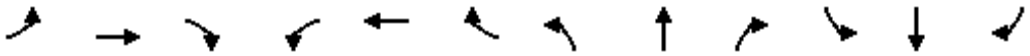
Intersection Summary			
HCM Average Control Delay	29.9	HCM Level of Service	C
HCM Volume to Capacity ratio	0.48		
Actuated Cycle Length (s)	75.0	Sum of lost time (s)	8.0
Intersection Capacity Utilization	56.9%	ICU Level of Service	B
Analysis Period (min)	15		

c Critical Lane Group



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Volume (vph)	20	20	50	340	50	290	70	140	480	510	150	40
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Total Lost time (s)	7.5	7.5	7.5	7.5	7.5		7.5	7.5	7.5	7.5	7.5	7.5
Lane Util. Factor	1.00	0.95	1.00	0.97	1.00		1.00	0.95	1.00	0.97	0.95	1.00
Frpb, ped/bikes	1.00	1.00	1.00	1.00	0.99		1.00	1.00	0.99	1.00	1.00	1.00
Flpb, ped/bikes	1.00	1.00	1.00	1.00	1.00		1.00	1.00	1.00	1.00	1.00	1.00
Frt	1.00	1.00	0.85	1.00	0.87		1.00	1.00	0.85	1.00	1.00	0.85
Flt Protected	0.95	1.00	1.00	0.95	1.00		0.95	1.00	1.00	0.95	1.00	1.00
Satd. Flow (prot)	1444	2911	1429	3072	1022		1444	2714	1028	2382	2820	1214
Flt Permitted	0.95	1.00	1.00	0.95	1.00		0.95	1.00	1.00	0.95	1.00	1.00
Satd. Flow (perm)	1444	2911	1429	3072	1022		1444	2714	1028	2382	2820	1214
Peak-hour factor, PHF	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88
Adj. Flow (vph)	23	23	57	386	57	330	80	159	545	580	170	45
RTOR Reduction (vph)	0	0	54	0	97	0	0	0	468	0	0	30
Lane Group Flow (vph)	23	23	3	386	290	0	80	159	77	580	170	15
Confl. Peds. (#/hr)	2					2			1	1		
Heavy Vehicles (%)	25%	24%	13%	14%	38%	64%	25%	33%	55%	47%	28%	33%
Turn Type	Prot		Perm	Prot			Prot		Perm	Prot		Perm
Protected Phases	7	4		3	8		5	2		1	6	
Permitted Phases			4						2			6
Actuated Green, G (s)	4.1	7.8	7.8	48.2	51.9		15.1	21.6	21.6	46.1	52.6	52.6
Effective Green, g (s)	4.1	7.8	7.8	48.2	51.9		15.1	21.6	21.6	46.1	52.6	52.6
Actuated g/C Ratio	0.03	0.05	0.05	0.31	0.34		0.10	0.14	0.14	0.30	0.34	0.34
Clearance Time (s)	7.5	7.5	7.5	7.5	7.5		7.5	7.5	7.5	7.5	7.5	7.5
Vehicle Extension (s)	3.0	3.0	3.0	3.0	3.0		3.0	3.0	3.0	3.0	3.0	3.0
Lane Grp Cap (vph)	39	148	73	963	345		142	381	144	714	965	415
v/s Ratio Prot	0.02	0.01		c0.13	c0.28		0.06	0.06		c0.24	0.06	
v/s Ratio Perm			0.00						c0.07			0.01
v/c Ratio	0.59	0.16	0.04	0.40	0.84		0.56	0.42	0.53	0.81	0.18	0.04
Uniform Delay, d1	74.0	69.8	69.4	41.4	47.1		66.2	60.3	61.4	49.8	35.4	33.7
Progression Factor	1.00	1.00	1.00	1.00	1.00		1.00	1.00	1.00	1.00	1.00	1.00
Incremental Delay, d2	20.8	0.5	0.2	0.3	16.7		5.0	0.7	3.7	7.0	0.1	0.0
Delay (s)	94.7	70.3	69.6	41.7	63.8		71.2	61.0	65.1	56.8	35.5	33.7
Level of Service	F	E	E	D	E		E	E	E	E	D	C
Approach Delay (s)		75.4			52.8			64.9			50.9	
Approach LOS		E			D			E			D	

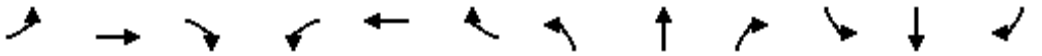
Intersection Summary			
HCM Average Control Delay	57.0	HCM Level of Service	E
HCM Volume to Capacity ratio	0.73		
Actuated Cycle Length (s)	153.7	Sum of lost time (s)	22.5
Intersection Capacity Utilization	71.5%	ICU Level of Service	C
Analysis Period (min)	15		
c Critical Lane Group			



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Volume (veh/h)	20	270	0	0	300	230	50	0	420	0	0	0
Sign Control		Free			Free			Stop			Stop	
Grade		0%			0%			0%			0%	
Peak Hour Factor	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85
Hourly flow rate (vph)	24	318	0	0	353	271	59	0	494	0	0	0
Pedestrians												
Lane Width (ft)												
Walking Speed (ft/s)												
Percent Blockage												
Right turn flare (veh)									3			
Median type		None			None							
Median storage veh)												
Upstream signal (ft)		436			1190							
pX, platoon unblocked												
vC, conflicting volume	353			318			718	718	318	718	718	353
vC1, stage 1 conf vol												
vC2, stage 2 conf vol												
vCu, unblocked vol	353			318			718	718	318	718	718	353
tC, single (s)	4.1			4.1			7.1	6.5	6.6	7.1	6.5	6.2
tC, 2 stage (s)												
tF (s)	2.2			2.2			3.5	4.0	3.7	3.5	4.0	3.3
p0 queue free %	98			100			83	100	23	100	100	100
cM capacity (veh/h)	1217			1254			342	351	641	78	351	695

Direction, Lane #	EB 1	WB 1	WB 2	NB 1
Volume Total	341	353	271	553
Volume Left	24	0	0	59
Volume Right	0	0	271	494
cSH	1217	1700	1700	717
Volume to Capacity	0.02	0.21	0.16	0.77
Queue Length 95th (ft)	1	0	0	185
Control Delay (s)	0.7	0.0	0.0	25.9
Lane LOS	A			D
Approach Delay (s)	0.7	0.0		25.9
Approach LOS				D

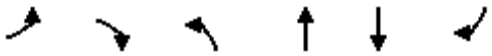
Intersection Summary			
Average Delay	9.6		
Intersection Capacity Utilization	48.0%	ICU Level of Service	A
Analysis Period (min)	15		



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Volume (vph)	0	30	10	140	210	0	0	0	0	250	0	10
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Total Lost time (s)		4.0			4.0						4.0	4.0
Lane Util. Factor		1.00			1.00						1.00	1.00
Frt		0.97			1.00						1.00	0.85
Flt Protected		1.00			0.98						0.95	1.00
Satd. Flow (prot)		1522			1539						1236	1369
Flt Permitted		1.00			0.98						0.95	1.00
Satd. Flow (perm)		1522			1539						1236	1369
Peak-hour factor, PHF	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86
Adj. Flow (vph)	0	35	12	163	244	0	0	0	0	291	0	12
RTOR Reduction (vph)	0	11	0	0	0	0	0	0	0	0	0	6
Lane Group Flow (vph)	0	36	0	0	407	0	0	0	0	0	291	6
Heavy Vehicles (%)	0%	19%	25%	51%	1%	0%	0%	0%	0%	46%	0%	18%
Turn Type				Split						Perm		Perm
Protected Phases		2		6	6						4	
Permitted Phases										4		4
Actuated Green, G (s)		7.2			21.0						19.4	19.4
Effective Green, g (s)		7.2			21.0						19.4	19.4
Actuated g/C Ratio		0.12			0.35						0.33	0.33
Clearance Time (s)		4.0			4.0						4.0	4.0
Vehicle Extension (s)		3.0			3.0						3.0	3.0
Lane Grp Cap (vph)		184			542						402	446
v/s Ratio Prot		c0.02			c0.26							
v/s Ratio Perm											0.24	0.00
v/c Ratio		0.20			0.75						0.72	0.01
Uniform Delay, d1		23.6			17.0						17.7	13.6
Progression Factor		1.00			1.00						1.00	1.00
Incremental Delay, d2		0.5			5.8						6.3	0.0
Delay (s)		24.1			22.8						24.1	13.6
Level of Service		C			C						C	B
Approach Delay (s)		24.1			22.8			0.0			23.7	
Approach LOS		C			C			A			C	

Intersection Summary			
HCM Average Control Delay	23.2	HCM Level of Service	C
HCM Volume to Capacity ratio	0.66		
Actuated Cycle Length (s)	59.6	Sum of lost time (s)	12.0
Intersection Capacity Utilization	46.0%	ICU Level of Service	A
Analysis Period (min)	15		

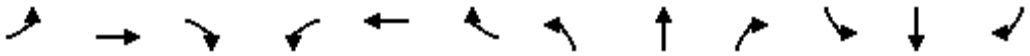
c Critical Lane Group



Movement	EBL	EBR	NBL	NBT	SBT	SBR
Lane Configurations						
Volume (vph)	10	580	390	50	90	20
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900
Total Lost time (s)	4.0	4.0	4.0	4.0	4.0	
Lane Util. Factor	1.00	1.00	1.00	1.00	1.00	
Frpb, ped/bikes	1.00	0.97	1.00	1.00	0.99	
Flpb, ped/bikes	1.00	1.00	1.00	1.00	1.00	
Frt	1.00	0.85	1.00	1.00	0.98	
Flt Protected	0.95	1.00	0.95	1.00	1.00	
Satd. Flow (prot)	1770	1531	1770	1863	1806	
Flt Permitted	0.95	1.00	0.95	1.00	1.00	
Satd. Flow (perm)	1770	1531	1770	1863	1806	
Peak-hour factor, PHF	0.92	0.92	0.92	0.92	0.92	0.92
Adj. Flow (vph)	11	630	424	54	98	22
RTOR Reduction (vph)	0	497	0	0	13	0
Lane Group Flow (vph)	11	133	424	54	107	0
Confl. Peds. (#/hr)		10				10
Turn Type		Perm	Prot			
Protected Phases	4		5	2	6	
Permitted Phases		4				
Actuated Green, G (s)	9.5	9.5	16.3	27.5	7.2	
Effective Green, g (s)	9.5	9.5	16.3	27.5	7.2	
Actuated g/C Ratio	0.21	0.21	0.36	0.61	0.16	
Clearance Time (s)	4.0	4.0	4.0	4.0	4.0	
Vehicle Extension (s)	3.0	3.0	3.0	3.0	3.0	
Lane Grp Cap (vph)	374	323	641	1139	289	
v/s Ratio Prot	0.01		c0.24	0.03	c0.06	
v/s Ratio Perm		c0.09				
v/c Ratio	0.03	0.41	0.66	0.05	0.37	
Uniform Delay, d1	14.1	15.3	12.0	3.5	16.9	
Progression Factor	1.00	1.00	1.00	1.00	1.00	
Incremental Delay, d2	0.0	0.9	2.6	0.0	0.8	
Delay (s)	14.1	16.2	14.6	3.5	17.7	
Level of Service	B	B	B	A	B	
Approach Delay (s)	16.2			13.4	17.7	
Approach LOS	B			B	B	

Intersection Summary			
HCM Average Control Delay	15.2	HCM Level of Service	B
HCM Volume to Capacity ratio	0.53		
Actuated Cycle Length (s)	45.0	Sum of lost time (s)	12.0
Intersection Capacity Utilization	52.0%	ICU Level of Service	A
Analysis Period (min)	15		

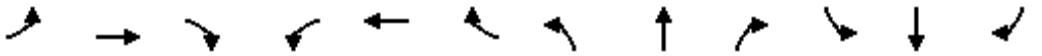
c Critical Lane Group



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Volume (vph)	70	40	20	50	150	230	70	140	70	250	130	290
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Total Lost time (s)	4.0	4.0		4.0	4.0		4.0	4.0		4.0	4.0	
Lane Util. Factor	1.00	1.00		1.00	1.00		1.00	1.00		1.00	1.00	
Frpb, ped/bikes	1.00	0.99		1.00	0.98		1.00	0.99		1.00	0.98	
Flpb, ped/bikes	1.00	1.00		1.00	1.00		1.00	1.00		1.00	1.00	
Frt	1.00	0.95		1.00	0.91		1.00	0.95		1.00	0.90	
Flt Protected	0.95	1.00		0.95	1.00		0.95	1.00		0.95	1.00	
Satd. Flow (prot)	1770	1750		1770	1663		1770	1753		1770	1637	
Flt Permitted	0.39	1.00		0.71	1.00		0.41	1.00		0.62	1.00	
Satd. Flow (perm)	727	1750		1331	1663		763	1753		1148	1637	
Peak-hour factor, PHF	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
Adj. Flow (vph)	76	43	22	54	163	250	76	152	76	272	141	315
RTOR Reduction (vph)	0	15	0	0	85	0	0	41	0	0	177	0
Lane Group Flow (vph)	76	50	0	54	328	0	76	187	0	272	279	0
Confl. Peds. (#/hr)			10			10			10			10
Turn Type	Perm			Perm			Perm			Perm		
Protected Phases		4			8			2			6	
Permitted Phases	4			8			2			6		
Actuated Green, G (s)	12.1	12.1		12.1	12.1		15.6	15.6		15.6	15.6	
Effective Green, g (s)	12.1	12.1		12.1	12.1		15.6	15.6		15.6	15.6	
Actuated g/C Ratio	0.34	0.34		0.34	0.34		0.44	0.44		0.44	0.44	
Clearance Time (s)	4.0	4.0		4.0	4.0		4.0	4.0		4.0	4.0	
Vehicle Extension (s)	3.0	3.0		3.0	3.0		3.0	3.0		3.0	3.0	
Lane Grp Cap (vph)	246	593		451	564		333	766		502	715	
v/s Ratio Prot		0.03			c0.20			0.11			0.17	
v/s Ratio Perm	0.10			0.04			0.10			c0.24		
v/c Ratio	0.31	0.09		0.12	0.58		0.23	0.24		0.54	0.39	
Uniform Delay, d1	8.7	8.0		8.1	9.7		6.3	6.3		7.4	6.8	
Progression Factor	1.00	1.00		1.00	1.00		1.00	1.00		1.00	1.00	
Incremental Delay, d2	0.7	0.1		0.1	1.5		0.4	0.2		1.2	0.4	
Delay (s)	9.4	8.1		8.2	11.3		6.6	6.5		8.6	7.2	
Level of Service	A	A		A	B		A	A		A	A	
Approach Delay (s)		8.8			10.9			6.5			7.7	
Approach LOS		A			B			A			A	

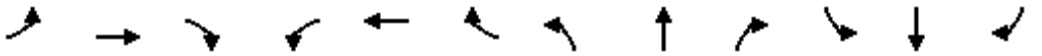
Intersection Summary			
HCM Average Control Delay	8.5	HCM Level of Service	A
HCM Volume to Capacity ratio	0.56		
Actuated Cycle Length (s)	35.7	Sum of lost time (s)	8.0
Intersection Capacity Utilization	69.1%	ICU Level of Service	C
Analysis Period (min)	15		

c Critical Lane Group



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Volume (vph)	570	140	20	0	480	340	20	0	10	120	0	190
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Total Lost time (s)	4.0	4.0	4.0		4.0	4.0	4.0	4.0		4.0	4.0	
Lane Util. Factor	1.00	1.00	1.00		1.00	1.00	1.00	1.00		1.00	1.00	
Frt	1.00	1.00	0.85		1.00	0.85	1.00	0.85		1.00	0.85	
Flt Protected	0.95	1.00	1.00		1.00	1.00	0.95	1.00		0.95	1.00	
Satd. Flow (prot)	1770	1863	1583		1863	1583	1770	1583		1770	1583	
Flt Permitted	0.95	1.00	1.00		1.00	1.00	0.95	1.00		0.95	1.00	
Satd. Flow (perm)	1770	1863	1583		1863	1583	1770	1583		1770	1583	
Peak-hour factor, PHF	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87
Adj. Flow (vph)	655	161	23	0	552	391	23	0	11	138	0	218
RTOR Reduction (vph)	0	0	6	0	0	258	0	10	0	0	189	0
Lane Group Flow (vph)	655	161	17	0	552	133	23	1	0	138	29	0
Turn Type	Prot		Perm	Prot		Perm	Prot			Prot		
Protected Phases	7	4		3	8		5	2		1	6	
Permitted Phases			4			8						
Actuated Green, G (s)	44.2	87.7	87.7		39.5	39.5	4.4	7.3		13.2	16.1	
Effective Green, g (s)	44.2	87.7	87.7		39.5	39.5	4.4	7.3		13.2	16.1	
Actuated g/C Ratio	0.37	0.73	0.73		0.33	0.33	0.04	0.06		0.11	0.13	
Clearance Time (s)	4.0	4.0	4.0		4.0	4.0	4.0	4.0		4.0	4.0	
Vehicle Extension (s)	3.0	3.0	3.0		3.0	3.0	3.0	3.0		3.0	3.0	
Lane Grp Cap (vph)	651	1359	1155		612	520	65	96		194	212	
v/s Ratio Prot	c0.37	0.09			c0.30		0.01	0.00		c0.08	c0.02	
v/s Ratio Perm			0.01			0.08						
v/c Ratio	1.01	0.12	0.01		0.90	0.25	0.35	0.01		0.71	0.14	
Uniform Delay, d1	38.0	4.8	4.4		38.5	29.6	56.5	53.0		51.7	45.9	
Progression Factor	1.00	1.00	1.00		1.00	1.00	1.00	1.00		1.00	1.00	
Incremental Delay, d2	36.8	0.0	0.0		16.5	0.3	3.3	0.0		11.6	0.3	
Delay (s)	74.8	4.8	4.4		55.0	29.8	59.8	53.1		63.3	46.2	
Level of Service	E	A	A		E	C	E	D		E	D	
Approach Delay (s)		59.4			44.6			57.6			52.8	
Approach LOS		E			D			E			D	

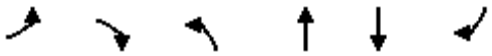
Intersection Summary			
HCM Average Control Delay	51.9	HCM Level of Service	D
HCM Volume to Capacity ratio	0.84		
Actuated Cycle Length (s)	120.2	Sum of lost time (s)	12.0
Intersection Capacity Utilization	83.5%	ICU Level of Service	E
Analysis Period (min)	15		
c Critical Lane Group			



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Volume (vph)	20	350	90	650	1340	80	120	140	460	50	120	80
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Total Lost time (s)	5.5	6.1	6.1	5.5	6.1	6.1	5.5	6.1	6.1	5.5	6.1	6.1
Lane Util. Factor	0.97	0.91	1.00	1.00	0.91	1.00	0.97	0.95	1.00	0.97	1.00	1.00
Frpb, ped/bikes	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.98	1.00	1.00	1.00
Flpb, ped/bikes	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Frt	1.00	1.00	0.85	1.00	1.00	0.85	1.00	1.00	0.85	1.00	1.00	0.85
Flt Protected	0.95	1.00	1.00	0.95	1.00	1.00	0.95	1.00	1.00	0.95	1.00	1.00
Satd. Flow (prot)	3433	5085	1583	1770	5085	1583	3433	3539	1549	3433	1863	1583
Flt Permitted	0.95	1.00	1.00	0.95	1.00	1.00	0.95	1.00	1.00	0.95	1.00	1.00
Satd. Flow (perm)	3433	5085	1583	1770	5085	1583	3433	3539	1549	3433	1863	1583
Peak-hour factor, PHF	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86
Adj. Flow (vph)	23	407	105	756	1558	93	140	163	535	58	140	93
RTOR Reduction (vph)	0	0	90	0	0	36	0	0	466	0	0	81
Lane Group Flow (vph)	23	407	15	756	1558	57	140	163	69	58	140	12
Confl. Peds. (#/hr)									14	14		
Turn Type	Prot		Perm	Prot		Perm	Prot		Perm	Prot		Perm
Protected Phases	5	2		1	6		7	4		3	8	
Permitted Phases			2			6			4			8
Actuated Green, G (s)	3.8	12.7	12.7	33.8	42.7	42.7	9.4	11.8	11.8	9.8	12.2	12.2
Effective Green, g (s)	3.8	12.7	12.7	33.8	42.7	42.7	9.4	11.8	11.8	9.8	12.2	12.2
Actuated g/C Ratio	0.04	0.14	0.14	0.37	0.47	0.47	0.10	0.13	0.13	0.11	0.13	0.13
Clearance Time (s)	5.5	6.1	6.1	5.5	6.1	6.1	5.5	6.1	6.1	5.5	6.1	6.1
Vehicle Extension (s)	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
Lane Grp Cap (vph)	143	707	220	655	2378	740	353	457	200	368	249	212
v/s Ratio Prot	0.01	0.08		c0.43	c0.31		c0.04	0.05		0.02	c0.08	
v/s Ratio Perm			0.01			0.04			0.04			0.01
v/c Ratio	0.16	0.58	0.07	1.15	0.66	0.08	0.40	0.36	0.35	0.16	0.56	0.06
Uniform Delay, d1	42.2	36.8	34.1	28.8	18.6	13.4	38.3	36.3	36.2	37.0	37.0	34.5
Progression Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Incremental Delay, d2	0.5	1.1	0.1	86.0	0.7	0.0	0.7	0.5	1.0	0.2	2.9	0.1
Delay (s)	42.7	37.9	34.3	114.7	19.3	13.5	39.0	36.8	37.3	37.2	39.9	34.7
Level of Service	D	D	C	F	B	B	D	D	D	D	D	C
Approach Delay (s)		37.4			49.1			37.5			37.7	
Approach LOS		D			D			D			D	

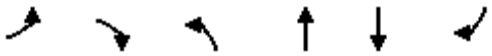
Intersection Summary			
HCM Average Control Delay	44.3	HCM Level of Service	D
HCM Volume to Capacity ratio	0.88		
Actuated Cycle Length (s)	91.3	Sum of lost time (s)	23.2
Intersection Capacity Utilization	78.9%	ICU Level of Service	D
Analysis Period (min)	15		

c Critical Lane Group



Movement	EBL	EBR	NBL	NBT	SBT	SBR
Lane Configurations						
Volume (vph)	70	50	200	480	370	270
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900
Total Lost time (s)	4.0	4.0	4.0	4.0	4.0	4.0
Lane Util. Factor	1.00	1.00	1.00	1.00	1.00	1.00
Frt	1.00	0.85	1.00	1.00	1.00	0.85
Flt Protected	0.95	1.00	0.95	1.00	1.00	1.00
Satd. Flow (prot)	1770	1583	1770	1863	1863	1583
Flt Permitted	0.95	1.00	0.95	1.00	1.00	1.00
Satd. Flow (perm)	1770	1583	1770	1863	1863	1583
Peak-hour factor, PHF	0.92	0.92	0.92	0.92	0.92	0.92
Adj. Flow (vph)	76	54	217	522	402	293
RTOR Reduction (vph)	0	47	0	0	0	171
Lane Group Flow (vph)	76	7	217	522	402	122
Turn Type		Perm	Prot			Perm
Protected Phases	4		5	2	6	
Permitted Phases		4				6
Actuated Green, G (s)	5.7	5.7	8.5	31.2	18.7	18.7
Effective Green, g (s)	5.7	5.7	8.5	31.2	18.7	18.7
Actuated g/C Ratio	0.13	0.13	0.19	0.69	0.42	0.42
Clearance Time (s)	4.0	4.0	4.0	4.0	4.0	4.0
Vehicle Extension (s)	3.0	3.0	3.0	3.0	3.0	3.0
Lane Grp Cap (vph)	225	201	335	1295	776	659
v/s Ratio Prot	c0.04		c0.12	0.28	c0.22	
v/s Ratio Perm		0.00				0.08
v/c Ratio	0.34	0.03	0.65	0.40	0.52	0.19
Uniform Delay, d1	17.9	17.2	16.8	2.9	9.7	8.3
Progression Factor	1.00	1.00	1.00	1.00	1.00	1.00
Incremental Delay, d2	0.9	0.1	4.3	0.2	0.6	0.1
Delay (s)	18.8	17.3	21.1	3.1	10.3	8.4
Level of Service	B	B	C	A	B	A
Approach Delay (s)	18.1			8.4	9.5	
Approach LOS	B			A	A	

Intersection Summary			
HCM Average Control Delay	9.7	HCM Level of Service	A
HCM Volume to Capacity ratio	0.52		
Actuated Cycle Length (s)	44.9	Sum of lost time (s)	12.0
Intersection Capacity Utilization	44.4%	ICU Level of Service	A
Analysis Period (min)	15		
c Critical Lane Group			



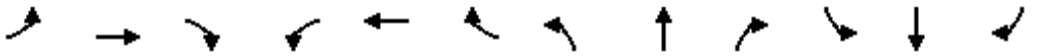
Movement	EBL	EBR	NBL	NBT	SBT	SBR
Lane Configurations						
Volume (vph)	60	160	670	620	280	150
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900
Total Lost time (s)	4.0	4.0	4.0	4.0	4.0	4.0
Lane Util. Factor	1.00	1.00	1.00	1.00	1.00	1.00
Frt	1.00	0.85	1.00	1.00	1.00	0.85
Flt Protected	0.95	1.00	0.95	1.00	1.00	1.00
Satd. Flow (prot)	1770	1583	1770	1863	1863	1583
Flt Permitted	0.95	1.00	0.95	1.00	1.00	1.00
Satd. Flow (perm)	1770	1583	1770	1863	1863	1583
Peak-hour factor, PHF	0.87	0.87	0.87	0.87	0.87	0.87
Adj. Flow (vph)	69	184	770	713	322	172
RTOR Reduction (vph)	0	164	0	0	0	132
Lane Group Flow (vph)	69	20	770	713	322	40
Turn Type		Perm	Prot			Perm
Protected Phases	4		5	2	6	
Permitted Phases		4				6
Actuated Green, G (s)	8.8	8.8	40.3	63.0	18.7	18.7
Effective Green, g (s)	8.8	8.8	40.3	63.0	18.7	18.7
Actuated g/C Ratio	0.11	0.11	0.51	0.79	0.23	0.23
Clearance Time (s)	4.0	4.0	4.0	4.0	4.0	4.0
Vehicle Extension (s)	3.0	3.0	3.0	3.0	3.0	3.0
Lane Grp Cap (vph)	195	175	894	1471	437	371
v/s Ratio Prot	c0.04		c0.44	0.38	c0.17	
v/s Ratio Perm		0.01				0.03
v/c Ratio	0.35	0.12	0.86	0.48	0.74	0.11
Uniform Delay, d1	32.9	32.0	17.3	2.9	28.3	24.0
Progression Factor	1.00	1.00	1.00	1.00	1.00	1.00
Incremental Delay, d2	1.1	0.3	8.5	0.3	6.4	0.1
Delay (s)	34.0	32.3	25.8	3.1	34.6	24.1
Level of Service	C	C	C	A	C	C
Approach Delay (s)	32.8			14.9	31.0	
Approach LOS	C			B	C	

Intersection Summary			
HCM Average Control Delay	20.5	HCM Level of Service	C
HCM Volume to Capacity ratio	0.76		
Actuated Cycle Length (s)	79.8	Sum of lost time (s)	12.0
Intersection Capacity Utilization	65.2%	ICU Level of Service	C
Analysis Period (min)	15		
c Critical Lane Group			



Movement	WBL	WBR	NBT	NBR	SBL	SBT
Lane Configurations						
Volume (vph)	10	830	90	10	290	30
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900
Total Lost time (s)	4.0		4.0		4.0	4.0
Lane Util. Factor	1.00		1.00		1.00	1.00
Frt	0.87		0.99		1.00	1.00
Flt Protected	1.00		1.00		0.95	1.00
Satd. Flow (prot)	1613		1838		1770	1863
Flt Permitted	1.00		1.00		0.95	1.00
Satd. Flow (perm)	1613		1838		1770	1863
Peak-hour factor, PHF	0.88	0.88	0.88	0.88	0.88	0.88
Adj. Flow (vph)	11	943	102	11	330	34
RTOR Reduction (vph)	584	0	6	0	0	0
Lane Group Flow (vph)	370	0	107	0	330	34
Turn Type					Prot	
Protected Phases	8		2		1	6
Permitted Phases						
Actuated Green, G (s)	16.0		6.7		14.2	24.9
Effective Green, g (s)	16.0		6.7		14.2	24.9
Actuated g/C Ratio	0.33		0.14		0.29	0.51
Clearance Time (s)	4.0		4.0		4.0	4.0
Vehicle Extension (s)	3.0		3.0		3.0	3.0
Lane Grp Cap (vph)	528		252		514	949
v/s Ratio Prot	c0.23		c0.06		c0.19	0.02
v/s Ratio Perm						
v/c Ratio	0.70		0.42		0.64	0.04
Uniform Delay, d1	14.4		19.3		15.1	6.0
Progression Factor	1.00		1.00		1.00	1.00
Incremental Delay, d2	4.2		1.2		2.7	0.0
Delay (s)	18.5		20.5		17.9	6.0
Level of Service	B		C		B	A
Approach Delay (s)	18.5		20.5			16.8
Approach LOS	B		C			B

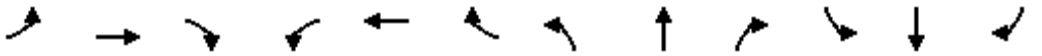
Intersection Summary			
HCM Average Control Delay	18.2	HCM Level of Service	B
HCM Volume to Capacity ratio	0.63		
Actuated Cycle Length (s)	48.9	Sum of lost time (s)	12.0
Intersection Capacity Utilization	81.3%	ICU Level of Service	D
Analysis Period (min)	15		
c Critical Lane Group			



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Volume (vph)	60	0	50	20	0	50	150	450	40	110	1540	170
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Total Lost time (s)	4.0	4.0		4.0	4.0		4.0	4.0	4.0	4.0	4.0	4.0
Lane Util. Factor	1.00	1.00		1.00	1.00		1.00	0.95	1.00	1.00	0.95	1.00
Frpb, ped/bikes	1.00	0.98		1.00	0.96		1.00	1.00	0.96	1.00	1.00	0.96
Flpb, ped/bikes	1.00	1.00		1.00	1.00		1.00	1.00	1.00	1.00	1.00	1.00
Frt	1.00	0.85		1.00	0.85		1.00	1.00	0.85	1.00	1.00	0.85
Flt Protected	0.95	1.00		0.95	1.00		0.95	1.00	1.00	0.95	1.00	1.00
Satd. Flow (prot)	1770	1552		1770	1527		1770	3539	1517	1770	3539	1517
Flt Permitted	0.72	1.00		0.72	1.00		0.95	1.00	1.00	0.95	1.00	1.00
Satd. Flow (perm)	1345	1552		1345	1527		1770	3539	1517	1770	3539	1517
Peak-hour factor, PHF	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
Adj. Flow (vph)	65	0	54	22	0	54	163	489	43	120	1674	185
RTOR Reduction (vph)	0	46	0	0	46	0	0	0	18	0	0	58
Lane Group Flow (vph)	65	8	0	22	8	0	163	489	25	120	1674	127
Confl. Peds. (#/hr)			10			10			10			10
Turn Type	Perm			Perm			Prot		Perm	Prot		Perm
Protected Phases		4			8		5	2		1	6	
Permitted Phases	4			8					2			6
Actuated Green, G (s)	11.0	11.0		11.0	11.0		11.2	43.4	43.4	8.6	40.8	40.8
Effective Green, g (s)	11.0	11.0		11.0	11.0		11.2	43.4	43.4	8.6	40.8	40.8
Actuated g/C Ratio	0.15	0.15		0.15	0.15		0.15	0.58	0.58	0.11	0.54	0.54
Clearance Time (s)	4.0	4.0		4.0	4.0		4.0	4.0	4.0	4.0	4.0	4.0
Vehicle Extension (s)	3.0	3.0		3.0	3.0		3.0	3.0	3.0	3.0	3.0	3.0
Lane Grp Cap (vph)	197	228		197	224		264	2048	878	203	1925	825
v/s Ratio Prot		0.01			0.01		c0.09	c0.14		0.07	c0.47	
v/s Ratio Perm	c0.05			0.02					0.02			0.08
v/c Ratio	0.33	0.03		0.11	0.04		0.62	0.24	0.03	0.59	0.87	0.15
Uniform Delay, d1	28.7	27.4		27.8	27.4		29.9	7.7	6.8	31.5	14.8	8.5
Progression Factor	1.00	1.00		1.00	1.00		1.01	1.27	1.95	0.90	1.03	1.46
Incremental Delay, d2	1.0	0.1		0.3	0.1		4.2	0.3	0.1	2.4	3.1	0.2
Delay (s)	29.7	27.5		28.0	27.5		34.2	10.1	13.2	30.7	18.3	12.6
Level of Service	C	C		C	C		C	B	B	C	B	B
Approach Delay (s)		28.7			27.7			15.9			18.5	
Approach LOS		C			C			B			B	

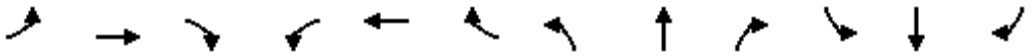
Intersection Summary			
HCM Average Control Delay	18.6	HCM Level of Service	B
HCM Volume to Capacity ratio	0.77		
Actuated Cycle Length (s)	75.0	Sum of lost time (s)	16.0
Intersection Capacity Utilization	74.7%	ICU Level of Service	D
Analysis Period (min)	15		

c Critical Lane Group



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Volume (vph)	0	0	0	630	0	260	160	680	0	0	400	90
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Total Lost time (s)				4.0	4.0		4.0	4.0			4.0	2.3
Lane Util. Factor				0.97	1.00		1.00	0.95			0.91	1.00
Frpb, ped/bikes				1.00	1.00		1.00	1.00			1.00	1.00
Flpb, ped/bikes				1.00	1.00		1.00	1.00			1.00	1.00
Frt				1.00	0.85		1.00	1.00			1.00	0.85
Flt Protected				0.95	1.00		0.95	1.00			1.00	1.00
Satd. Flow (prot)				3045	1615		1641	3539			5136	1599
Flt Permitted				0.95	1.00		0.95	1.00			1.00	1.00
Satd. Flow (perm)				3045	1615		1641	3539			5136	1599
Peak-hour factor, PHF	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93
Adj. Flow (vph)	0	0	0	677	0	280	172	731	0	0	430	97
RTOR Reduction (vph)	0	0	0	0	45	0	0	0	0	0	0	0
Lane Group Flow (vph)	0	0	0	677	235	0	172	731	0	0	430	97
Confl. Bikes (#/hr)									2			
Heavy Vehicles (%)	0%	0%	0%	15%	0%	0%	10%	2%	0%	0%	1%	1%
Turn Type				Perm			Prot					Free
Protected Phases					8		5	2			6	
Permitted Phases				8								Free
Actuated Green, G (s)				36.3	36.3		17.2	72.9			51.2	120.0
Effective Green, g (s)				37.4	37.4		17.7	74.6			52.9	120.0
Actuated g/C Ratio				0.31	0.31		0.15	0.62			0.44	1.00
Clearance Time (s)				5.1	5.1		4.5	5.7			5.7	
Vehicle Extension (s)				3.0	3.0		3.0	3.0			3.0	
Lane Grp Cap (vph)				949	503		242	2200			2264	1599
v/s Ratio Prot					0.15		c0.10	c0.21			0.08	
v/s Ratio Perm				c0.22								0.06
v/c Ratio				0.71	0.47		0.71	0.33			0.19	0.06
Uniform Delay, d1				36.6	33.3		48.7	10.8			20.5	0.0
Progression Factor				1.00	1.00		1.34	0.81			1.00	1.00
Incremental Delay, d2				2.6	0.7		9.1	0.4			0.2	0.1
Delay (s)				39.1	33.9		74.6	9.2			20.7	0.1
Level of Service				D	C		E	A			C	A
Approach Delay (s)		0.0			37.6			21.6			16.9	
Approach LOS		A			D			C			B	

Intersection Summary			
HCM Average Control Delay	27.0	HCM Level of Service	C
HCM Volume to Capacity ratio	0.51		
Actuated Cycle Length (s)	120.0	Sum of lost time (s)	8.0
Intersection Capacity Utilization	46.8%	ICU Level of Service	A
Analysis Period (min)	15		
c Critical Lane Group			



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Volume (vph)	260	10	110	0	0	0	0	580	1530	0	820	0
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Total Lost time (s)	5.1	5.1	5.1					5.7	4.0		5.7	
Lane Util. Factor	0.95	0.95	1.00					0.95	1.00		0.95	
Frpb, ped/bikes	1.00	1.00	1.00					1.00	0.99		1.00	
Flpb, ped/bikes	1.00	1.00	1.00					1.00	1.00		1.00	
Frt	1.00	1.00	0.85					1.00	0.85		1.00	
Flt Protected	0.95	0.96	1.00					1.00	1.00		1.00	
Satd. Flow (prot)	1715	1725	1495					3343	1450		3195	
Flt Permitted	0.95	0.96	1.00					1.00	1.00		1.00	
Satd. Flow (perm)	1715	1725	1495					3343	1450		3195	
Peak-hour factor, PHF	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87
Adj. Flow (vph)	299	11	126	0	0	0	0	667	1759	0	943	0
RTOR Reduction (vph)	0	0	94	0	0	0	0	0	0	0	0	0
Lane Group Flow (vph)	155	155	32	0	0	0	0	667	1759	0	943	0
Confl. Bikes (#/hr)									1			
Heavy Vehicles (%)	0%	0%	8%	0%	0%	0%	0%	8%	10%	0%	13%	0%
Turn Type	Perm		Perm						Free			
Protected Phases		4						2			6	
Permitted Phases	4		4						Free			
Actuated Green, G (s)	11.1	11.1	11.1					38.1	60.0		38.1	
Effective Green, g (s)	11.1	11.1	11.1					38.1	60.0		38.1	
Actuated g/C Ratio	0.18	0.18	0.18					0.64	1.00		0.64	
Clearance Time (s)	5.1	5.1	5.1					5.7			5.7	
Vehicle Extension (s)	3.0	3.0	3.0					3.0			3.0	
Lane Grp Cap (vph)	317	319	277					2123	1450		2029	
v/s Ratio Prot								0.20			0.30	
v/s Ratio Perm	0.09	0.09	0.02						c1.21			
v/c Ratio	0.49	0.49	0.12					0.31	1.21		0.46	
Uniform Delay, d1	21.9	21.9	20.4					5.0	30.0		5.7	
Progression Factor	1.00	1.00	1.00					1.09	1.00		0.53	
Incremental Delay, d2	1.2	1.2	0.2					0.1	98.3		0.7	
Delay (s)	23.1	23.1	20.6					5.6	128.3		3.7	
Level of Service	C	C	C					A	F		A	
Approach Delay (s)		22.4			0.0			94.5			3.7	
Approach LOS		C			A			F			A	

Intersection Summary			
HCM Average Control Delay	63.8	HCM Level of Service	E
HCM Volume to Capacity ratio	1.21		
Actuated Cycle Length (s)	60.0	Sum of lost time (s)	0.0
Intersection Capacity Utilization	39.1%	ICU Level of Service	A
Analysis Period (min)	15		

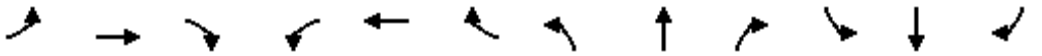
c Critical Lane Group



Movement	WBL	WBR	NBT	NBR	SBL	SBT
Lane Configurations						
Volume (vph)	50	780	1050	30	340	570
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900
Total Lost time (s)	4.0	4.0	4.0	4.0	4.0	4.0
Lane Util. Factor	1.00	0.88	0.95	1.00	0.97	0.95
Frpb, ped/bikes	1.00	0.97	1.00	0.99	1.00	1.00
Flpb, ped/bikes	1.00	1.00	1.00	1.00	1.00	1.00
Frt	1.00	0.85	1.00	0.85	1.00	1.00
Flt Protected	0.95	1.00	1.00	1.00	0.95	1.00
Satd. Flow (prot)	1770	2707	3539	1561	3433	3539
Flt Permitted	0.95	1.00	1.00	1.00	0.95	1.00
Satd. Flow (perm)	1770	2707	3539	1561	3433	3539
Peak-hour factor, PHF	0.92	0.92	0.92	0.92	0.92	0.92
Adj. Flow (vph)	54	848	1141	33	370	620
RTOR Reduction (vph)	0	376	0	15	0	0
Lane Group Flow (vph)	54	472	1141	18	370	620
Confl. Bikes (#/hr)		5		5		
Turn Type		Perm		Perm	Prot	
Protected Phases	8		2		1	6
Permitted Phases	8	8		2		
Actuated Green, G (s)	25.5	25.5	66.9	66.9	15.6	86.5
Effective Green, g (s)	25.5	25.5	66.9	66.9	15.6	86.5
Actuated g/C Ratio	0.21	0.21	0.56	0.56	0.13	0.72
Clearance Time (s)	4.0	4.0	4.0	4.0	4.0	4.0
Vehicle Extension (s)	3.0	3.0	3.0	3.0	3.0	3.0
Lane Grp Cap (vph)	376	575	1973	870	446	2551
v/s Ratio Prot	0.03		c0.32		c0.11	0.18
v/s Ratio Perm		c0.17		0.01		
v/c Ratio	0.14	0.82	0.58	0.02	0.83	0.24
Uniform Delay, d1	38.4	45.1	17.3	11.9	50.9	5.7
Progression Factor	1.00	1.00	1.00	1.00	1.07	0.56
Incremental Delay, d2	0.2	9.2	1.2	0.0	11.5	0.2
Delay (s)	38.6	54.3	18.6	11.9	66.2	3.4
Level of Service	D	D	B	B	E	A
Approach Delay (s)	53.3		18.4			26.8
Approach LOS	D		B			C

Intersection Summary			
HCM Average Control Delay	31.4	HCM Level of Service	C
HCM Volume to Capacity ratio	0.67		
Actuated Cycle Length (s)	120.0	Sum of lost time (s)	12.0
Intersection Capacity Utilization	63.0%	ICU Level of Service	B
Analysis Period (min)	15		

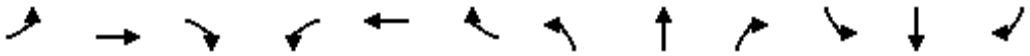
c Critical Lane Group



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Volume (vph)	60	40	100	490	30	610	60	200	410	390	200	20
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Total Lost time (s)	7.5	7.5	7.5	7.5	7.5		7.5	7.5	7.5	7.5	7.5	7.5
Lane Util. Factor	1.00	0.95	1.00	0.97	1.00		1.00	0.95	1.00	0.97	0.95	1.00
Frt	1.00	1.00	0.85	1.00	0.86		1.00	1.00	0.85	1.00	1.00	0.85
Flt Protected	0.95	1.00	1.00	0.95	1.00		0.95	1.00	1.00	0.95	1.00	1.00
Satd. Flow (prot)	1597	3505	1553	2779	1409		1612	3471	1509	3072	3139	1077
Flt Permitted	0.95	1.00	1.00	0.95	1.00		0.95	1.00	1.00	0.95	1.00	1.00
Satd. Flow (perm)	1597	3505	1553	2779	1409		1612	3471	1509	3072	3139	1077
Peak-hour factor, PHF	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85
Adj. Flow (vph)	71	47	118	576	35	718	71	235	482	459	235	24
RTOR Reduction (vph)	0	0	109	0	283	0	0	0	425	0	0	18
Lane Group Flow (vph)	71	47	9	576	470	0	71	235	57	459	235	6
Heavy Vehicles (%)	13%	3%	4%	26%	6%	16%	12%	4%	7%	14%	15%	50%
Turn Type	Prot		Perm	Prot			Prot		Perm	Prot		Perm
Protected Phases	7	4		3	8		5	2		1	6	
Permitted Phases			4						2			6
Actuated Green, G (s)	12.0	10.4	10.4	57.0	55.4		11.9	17.0	17.0	28.2	33.3	33.3
Effective Green, g (s)	12.0	10.4	10.4	57.0	55.4		11.9	17.0	17.0	28.2	33.3	33.3
Actuated g/C Ratio	0.08	0.07	0.07	0.40	0.39		0.08	0.12	0.12	0.20	0.23	0.23
Clearance Time (s)	7.5	7.5	7.5	7.5	7.5		7.5	7.5	7.5	7.5	7.5	7.5
Vehicle Extension (s)	3.0	3.0	3.0	3.0	3.0		3.0	3.0	3.0	3.0	3.0	3.0
Lane Grp Cap (vph)	134	256	113	1111	547		135	414	180	608	733	252
v/s Ratio Prot	0.04	0.01		c0.21	c0.33		0.04	c0.07		c0.15	0.07	
v/s Ratio Perm			0.01						0.04			0.01
v/c Ratio	0.53	0.18	0.08	0.52	0.86		0.53	0.57	0.32	0.75	0.32	0.02
Uniform Delay, d1	62.6	62.1	61.6	32.4	40.0		62.6	59.3	57.5	53.9	45.3	42.1
Progression Factor	1.00	1.00	1.00	1.00	1.00		1.00	1.00	1.00	1.00	1.00	1.00
Incremental Delay, d2	3.7	0.3	0.3	0.4	13.0		3.7	1.8	1.0	5.3	0.3	0.0
Delay (s)	66.3	62.5	61.9	32.8	53.1		66.3	61.1	58.5	59.2	45.5	42.1
Level of Service	E	E	E	C	D		E	E	E	E	D	D
Approach Delay (s)		63.4			44.3			60.0			54.2	
Approach LOS		E			D			E			D	

Intersection Summary			
HCM Average Control Delay	52.1	HCM Level of Service	D
HCM Volume to Capacity ratio	0.72		
Actuated Cycle Length (s)	142.6	Sum of lost time (s)	22.5
Intersection Capacity Utilization	87.1%	ICU Level of Service	E
Analysis Period (min)	15		

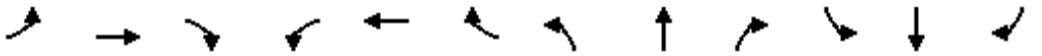
c Critical Lane Group



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Volume (veh/h)	10	450	0	0	500	290	10	0	220	0	0	0
Sign Control		Free			Free			Stop			Stop	
Grade		0%			0%			0%			0%	
Peak Hour Factor	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93
Hourly flow rate (vph)	11	484	0	0	538	312	11	0	237	0	0	0
Pedestrians												
Lane Width (ft)												
Walking Speed (ft/s)												
Percent Blockage												
Right turn flare (veh)									3			
Median type		None			None							
Median storage veh)												
Upstream signal (ft)		436			1190							
pX, platoon unblocked	0.99						0.99	0.99		0.99	0.99	0.99
vC, conflicting volume	538			484			1043	1043	484	1043	1043	538
vC1, stage 1 conf vol												
vC2, stage 2 conf vol												
vCu, unblocked vol	528			484			1038	1038	484	1038	1038	528
tC, single (s)	4.1			4.1			7.1	6.5	6.3	7.1	6.5	6.2
tC, 2 stage (s)												
tF (s)	2.2			2.2			3.5	4.0	3.4	3.5	4.0	3.3
p0 queue free %	99			100			95	100	58	100	100	100
cM capacity (veh/h)	1039			1089			207	228	567	121	228	549

Direction, Lane #	EB 1	WB 1	WB 2	NB 1
Volume Total	495	538	312	247
Volume Left	11	0	0	11
Volume Right	0	0	312	237
cSH	1039	1700	1700	593
Volume to Capacity	0.01	0.32	0.18	0.42
Queue Length 95th (ft)	1	0	0	51
Control Delay (s)	0.3	0.0	0.0	16.1
Lane LOS	A			C
Approach Delay (s)	0.3	0.0		16.1
Approach LOS				C

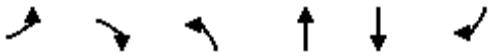
Intersection Summary			
Average Delay	2.6		
Intersection Capacity Utilization	55.5%	ICU Level of Service	B
Analysis Period (min)	15		



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Volume (vph)	0	190	140	480	20	0	0	0	0	270	0	70
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Total Lost time (s)		4.0			4.0						4.0	4.0
Lane Util. Factor		1.00			1.00						1.00	1.00
Frt		0.94			1.00						1.00	0.85
Flt Protected		1.00			0.95						0.95	1.00
Satd. Flow (prot)		1773			1654						1656	1615
Flt Permitted		1.00			0.95						0.95	1.00
Satd. Flow (perm)		1773			1654						1656	1615
Peak-hour factor, PHF	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91
Adj. Flow (vph)	0	209	154	527	22	0	0	0	0	297	0	77
RTOR Reduction (vph)	0	33	0	0	0	0	0	0	0	0	0	40
Lane Group Flow (vph)	0	330	0	0	549	0	0	0	0	0	297	37
Heavy Vehicles (%)	0%	1%	1%	10%	0%	0%	0%	0%	0%	9%	25%	0%
Turn Type				Split						Perm		Perm
Protected Phases		2		6	6						4	
Permitted Phases										4		4
Actuated Green, G (s)		16.6			27.5						16.7	16.7
Effective Green, g (s)		16.6			27.5						16.7	16.7
Actuated g/C Ratio		0.23			0.38						0.23	0.23
Clearance Time (s)		4.0			4.0						4.0	4.0
Vehicle Extension (s)		3.0			3.0						3.0	3.0
Lane Grp Cap (vph)		404			625						380	370
v/s Ratio Prot		c0.19			c0.33							
v/s Ratio Perm											0.18	0.02
v/c Ratio		0.82			0.88						0.78	0.10
Uniform Delay, d1		26.7			21.1						26.3	22.1
Progression Factor		1.00			1.00						1.00	1.00
Incremental Delay, d2		12.0			13.3						10.0	0.1
Delay (s)		38.7			34.4						36.4	22.2
Level of Service		D			C						D	C
Approach Delay (s)		38.7			34.4			0.0			33.5	
Approach LOS		D			C			A			C	

Intersection Summary			
HCM Average Control Delay	35.3	HCM Level of Service	D
HCM Volume to Capacity ratio	0.83		
Actuated Cycle Length (s)	72.8	Sum of lost time (s)	12.0
Intersection Capacity Utilization	71.1%	ICU Level of Service	C
Analysis Period (min)	15		

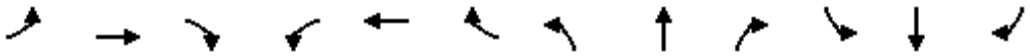
c Critical Lane Group



Movement	EBL	EBR	NBL	NBT	SBT	SBR
Lane Configurations						
Volume (vph)	30	500	670	100	50	20
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900
Total Lost time (s)	4.0	4.0	4.0	4.0	4.0	
Lane Util. Factor	1.00	1.00	1.00	1.00	1.00	
Frpb, ped/bikes	1.00	0.97	1.00	1.00	0.99	
Flpb, ped/bikes	1.00	1.00	1.00	1.00	1.00	
Frt	1.00	0.85	1.00	1.00	0.96	
Flt Protected	0.95	1.00	0.95	1.00	1.00	
Satd. Flow (prot)	1770	1540	1770	1863	1776	
Flt Permitted	0.95	1.00	0.95	1.00	1.00	
Satd. Flow (perm)	1770	1540	1770	1863	1776	
Peak-hour factor, PHF	0.92	0.92	0.92	0.92	0.92	0.92
Adj. Flow (vph)	33	543	728	109	54	22
RTOR Reduction (vph)	0	451	0	0	20	0
Lane Group Flow (vph)	33	92	728	109	56	0
Confl. Peds. (#/hr)		5				5
Turn Type		Perm	Prot			
Protected Phases	4		5	2	6	
Permitted Phases		4				
Actuated Green, G (s)	8.7	8.7	25.4	34.7	5.3	
Effective Green, g (s)	8.7	8.7	25.4	34.7	5.3	
Actuated g/C Ratio	0.17	0.17	0.49	0.68	0.10	
Clearance Time (s)	4.0	4.0	4.0	4.0	4.0	
Vehicle Extension (s)	3.0	3.0	3.0	3.0	3.0	
Lane Grp Cap (vph)	300	261	875	1258	183	
v/s Ratio Prot	0.02		c0.41	0.06	c0.03	
v/s Ratio Perm		c0.06				
v/c Ratio	0.11	0.35	0.83	0.09	0.31	
Uniform Delay, d1	18.1	18.9	11.2	2.9	21.4	
Progression Factor	1.00	1.00	1.00	1.00	1.00	
Incremental Delay, d2	0.2	0.8	6.8	0.0	1.0	
Delay (s)	18.2	19.7	18.0	2.9	22.3	
Level of Service	B	B	B	A	C	
Approach Delay (s)	19.6			16.0	22.3	
Approach LOS	B			B	C	

Intersection Summary			
HCM Average Control Delay	17.7	HCM Level of Service	B
HCM Volume to Capacity ratio	0.66		
Actuated Cycle Length (s)	51.4	Sum of lost time (s)	12.0
Intersection Capacity Utilization	55.4%	ICU Level of Service	B
Analysis Period (min)	15		

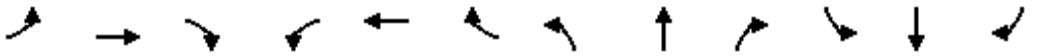
c Critical Lane Group



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Volume (vph)	290	150	70	80	40	350	20	130	50	320	150	80
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Total Lost time (s)	4.0	4.0		4.0	4.0		4.0	4.0		4.0	4.0	
Lane Util. Factor	1.00	1.00		1.00	1.00		1.00	1.00		1.00	1.00	
Frpb, ped/bikes	1.00	0.99		1.00	0.98		1.00	0.99		1.00	0.99	
Flpb, ped/bikes	1.00	1.00		1.00	1.00		1.00	1.00		1.00	1.00	
Frt	1.00	0.95		1.00	0.87		1.00	0.96		1.00	0.95	
Flt Protected	0.95	1.00		0.95	1.00		0.95	1.00		0.95	1.00	
Satd. Flow (prot)	1770	1758		1770	1572		1770	1772		1770	1749	
Flt Permitted	0.42	1.00		0.60	1.00		0.57	1.00		0.64	1.00	
Satd. Flow (perm)	784	1758		1126	1572		1055	1772		1183	1749	
Peak-hour factor, PHF	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
Adj. Flow (vph)	315	163	76	87	43	380	22	141	54	348	163	87
RTOR Reduction (vph)	0	25	0	0	202	0	0	27	0	0	37	0
Lane Group Flow (vph)	315	214	0	87	221	0	22	168	0	348	213	0
Confl. Peds. (#/hr)			5			5			5			5
Turn Type	Perm			Perm			Perm			Perm		
Protected Phases		4			8			2			6	
Permitted Phases	4			8			2			6		
Actuated Green, G (s)	24.4	24.4		24.4	24.4		19.6	19.6		19.6	19.6	
Effective Green, g (s)	24.4	24.4		24.4	24.4		19.6	19.6		19.6	19.6	
Actuated g/C Ratio	0.47	0.47		0.47	0.47		0.38	0.38		0.38	0.38	
Clearance Time (s)	4.0	4.0		4.0	4.0		4.0	4.0		4.0	4.0	
Vehicle Extension (s)	3.0	3.0		3.0	3.0		3.0	3.0		3.0	3.0	
Lane Grp Cap (vph)	368	825		528	738		398	668		446	659	
v/s Ratio Prot		0.12			0.14			0.09			0.12	
v/s Ratio Perm	c0.40			0.08			0.02			c0.29		
v/c Ratio	0.86	0.26		0.16	0.30		0.06	0.25		0.78	0.32	
Uniform Delay, d1	12.2	8.3		7.9	8.5		10.3	11.2		14.3	11.5	
Progression Factor	1.00	1.00		1.00	1.00		1.00	1.00		1.00	1.00	
Incremental Delay, d2	17.4	0.2		0.1	0.2		0.1	0.2		8.6	0.3	
Delay (s)	29.7	8.5		8.1	8.8		10.4	11.4		22.9	11.8	
Level of Service	C	A		A	A		B	B		C	B	
Approach Delay (s)		20.5			8.6			11.3			18.2	
Approach LOS		C			A			B			B	

Intersection Summary			
HCM Average Control Delay	15.5	HCM Level of Service	B
HCM Volume to Capacity ratio	0.82		
Actuated Cycle Length (s)	52.0	Sum of lost time (s)	8.0
Intersection Capacity Utilization	82.5%	ICU Level of Service	E
Analysis Period (min)	15		

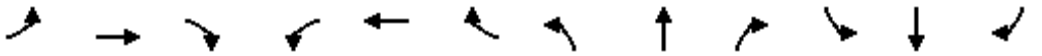
c Critical Lane Group



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Volume (vph)	210	630	40	10	250	120	80	20	20	320	20	580
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Total Lost time (s)	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0		4.0	4.0	
Lane Util. Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00		1.00	1.00	
Frt	1.00	1.00	0.85	1.00	1.00	0.85	1.00	0.93		1.00	0.86	
Flt Protected	0.95	1.00	1.00	0.95	1.00	1.00	0.95	1.00		0.95	1.00	
Satd. Flow (prot)	1770	1863	1583	1770	1863	1583	1770	1723		1770	1593	
Flt Permitted	0.95	1.00	1.00	0.95	1.00	1.00	0.95	1.00		0.95	1.00	
Satd. Flow (perm)	1770	1863	1583	1770	1863	1583	1770	1723		1770	1593	
Peak-hour factor, PHF	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85
Adj. Flow (vph)	247	741	47	12	294	141	94	24	24	376	24	682
RTOR Reduction (vph)	0	0	22	0	0	101	0	22	0	0	399	0
Lane Group Flow (vph)	247	741	25	12	294	40	94	26	0	376	307	0
Turn Type	Prot		Perm	Prot		Perm	Prot			Prot		
Protected Phases	7	4		3	8		5	2		1	6	
Permitted Phases			4			8						
Actuated Green, G (s)	17.1	42.6	42.6	1.0	26.5	26.5	10.4	9.6		23.9	23.1	
Effective Green, g (s)	17.1	42.6	42.6	1.0	26.5	26.5	10.4	9.6		23.9	23.1	
Actuated g/C Ratio	0.18	0.46	0.46	0.01	0.28	0.28	0.11	0.10		0.26	0.25	
Clearance Time (s)	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0		4.0	4.0	
Vehicle Extension (s)	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0		3.0	3.0	
Lane Grp Cap (vph)	325	852	724	19	530	451	198	178		454	395	
v/s Ratio Prot	c0.14	c0.40		0.01	0.16		0.05	0.02		c0.21	c0.19	
v/s Ratio Perm			0.02			0.03						
v/c Ratio	0.76	0.87	0.03	0.63	0.55	0.09	0.47	0.15		0.83	0.78	
Uniform Delay, d1	36.1	22.7	13.9	45.9	28.3	24.4	38.8	38.0		32.7	32.6	
Progression Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00		1.00	1.00	
Incremental Delay, d2	10.0	9.4	0.0	52.7	1.3	0.1	1.8	0.4		11.8	9.3	
Delay (s)	46.1	32.2	13.9	98.6	29.5	24.5	40.6	38.4		44.5	41.9	
Level of Service	D	C	B	F	C	C	D	D		D	D	
Approach Delay (s)		34.7			29.8			39.8			42.8	
Approach LOS		C			C			D			D	

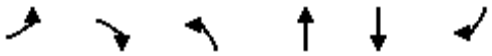
Intersection Summary			
HCM Average Control Delay	37.4	HCM Level of Service	D
HCM Volume to Capacity ratio	0.84		
Actuated Cycle Length (s)	93.1	Sum of lost time (s)	12.0
Intersection Capacity Utilization	91.2%	ICU Level of Service	F
Analysis Period (min)	15		

c Critical Lane Group



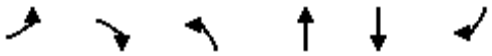
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Volume (vph)	120	1590	90	270	600	80	40	100	600	60	120	30
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Total Lost time (s)	5.5	6.1	6.1	5.5	6.1	6.1	5.5	6.1	6.1	5.5	6.1	6.1
Lane Util. Factor	0.97	0.91	1.00	1.00	0.91	1.00	0.97	0.95	1.00	0.97	1.00	1.00
Frt	1.00	1.00	0.85	1.00	1.00	0.85	1.00	1.00	0.85	1.00	1.00	0.85
Flt Protected	0.95	1.00	1.00	0.95	1.00	1.00	0.95	1.00	1.00	0.95	1.00	1.00
Satd. Flow (prot)	3433	5085	1583	1770	5085	1583	3433	3539	1583	3433	1863	1583
Flt Permitted	0.95	1.00	1.00	0.95	1.00	1.00	0.95	1.00	1.00	0.95	1.00	1.00
Satd. Flow (perm)	3433	5085	1583	1770	5085	1583	3433	3539	1583	3433	1863	1583
Peak-hour factor, PHF	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89
Adj. Flow (vph)	135	1787	101	303	674	90	45	112	674	67	135	34
RTOR Reduction (vph)	0	0	60	0	0	74	0	0	190	0	0	28
Lane Group Flow (vph)	135	1787	41	303	674	16	45	112	484	67	135	6
Turn Type	Prot		Perm	Prot		Perm	Prot		Perm	Prot		Perm
Protected Phases	5	2		1	6		7	4		3	8	
Permitted Phases			2			6			4			8
Actuated Green, G (s)	45.5	48.5	48.5	22.5	25.5	25.5	23.2	40.0	40.0	7.1	23.9	23.9
Effective Green, g (s)	45.5	48.5	48.5	22.5	25.5	25.5	23.2	40.0	40.0	7.1	23.9	23.9
Actuated g/C Ratio	0.32	0.34	0.34	0.16	0.18	0.18	0.16	0.28	0.28	0.05	0.17	0.17
Clearance Time (s)	5.5	6.1	6.1	5.5	6.1	6.1	5.5	6.1	6.1	5.5	6.1	6.1
Vehicle Extension (s)	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
Lane Grp Cap (vph)	1105	1745	543	282	918	286	564	1002	448	173	315	268
v/s Ratio Prot	0.04	c0.35		c0.17	0.13		0.01	0.03		c0.02	0.07	
v/s Ratio Perm			0.03			0.01			c0.31			0.00
v/c Ratio	0.12	1.02	0.08	1.07	0.73	0.06	0.08	0.11	1.08	0.39	0.43	0.02
Uniform Delay, d1	33.8	46.4	31.3	59.4	54.7	47.9	50.0	37.5	50.7	65.0	52.6	48.9
Progression Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Incremental Delay, d2	0.0	27.9	0.1	74.8	3.1	0.1	0.1	0.0	65.8	1.4	0.9	0.0
Delay (s)	33.9	74.3	31.3	134.2	57.8	48.0	50.1	37.5	116.5	66.4	53.5	49.0
Level of Service	C	E	C	F	E	D	D	D	F	E	D	D
Approach Delay (s)		69.4			78.6			102.3			56.5	
Approach LOS		E			E			F			E	

Intersection Summary			
HCM Average Control Delay	77.6	HCM Level of Service	E
HCM Volume to Capacity ratio	1.01		
Actuated Cycle Length (s)	141.3	Sum of lost time (s)	23.2
Intersection Capacity Utilization	87.6%	ICU Level of Service	E
Analysis Period (min)	15		
c Critical Lane Group			



Movement	EBL	EBR	NBL	NBT	SBT	SBR
Lane Configurations						
Volume (vph)	320	230	100	280	260	140
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900
Total Lost time (s)	4.0	4.0	4.0	4.0	4.0	4.0
Lane Util. Factor	1.00	1.00	1.00	1.00	1.00	1.00
Frt	1.00	0.85	1.00	1.00	1.00	0.85
Flt Protected	0.95	1.00	0.95	1.00	1.00	1.00
Satd. Flow (prot)	1770	1583	1770	1863	1863	1583
Flt Permitted	0.95	1.00	0.95	1.00	1.00	1.00
Satd. Flow (perm)	1770	1583	1770	1863	1863	1583
Peak-hour factor, PHF	0.92	0.92	0.92	0.92	0.92	0.92
Adj. Flow (vph)	348	250	109	304	283	152
RTOR Reduction (vph)	0	167	0	0	0	107
Lane Group Flow (vph)	348	83	109	304	283	45
Turn Type		Perm	Prot			Perm
Protected Phases	4		5	2	6	
Permitted Phases		4				6
Actuated Green, G (s)	14.7	14.7	4.5	21.6	13.1	13.1
Effective Green, g (s)	14.7	14.7	4.5	21.6	13.1	13.1
Actuated g/C Ratio	0.33	0.33	0.10	0.49	0.30	0.30
Clearance Time (s)	4.0	4.0	4.0	4.0	4.0	4.0
Vehicle Extension (s)	3.0	3.0	3.0	3.0	3.0	3.0
Lane Grp Cap (vph)	587	525	180	908	551	468
v/s Ratio Prot	c0.20		c0.06	0.16	c0.15	
v/s Ratio Perm		0.05				0.03
v/c Ratio	0.59	0.16	0.61	0.33	0.51	0.10
Uniform Delay, d1	12.3	10.4	19.1	7.0	13.0	11.3
Progression Factor	1.00	1.00	1.00	1.00	1.00	1.00
Incremental Delay, d2	1.6	0.1	5.7	0.2	0.8	0.1
Delay (s)	13.9	10.6	24.7	7.2	13.8	11.4
Level of Service	B	B	C	A	B	B
Approach Delay (s)	12.5			11.8	12.9	
Approach LOS	B			B	B	

Intersection Summary			
HCM Average Control Delay	12.4	HCM Level of Service	B
HCM Volume to Capacity ratio	0.56		
Actuated Cycle Length (s)	44.3	Sum of lost time (s)	12.0
Intersection Capacity Utilization	47.0%	ICU Level of Service	A
Analysis Period (min)	15		
c Critical Lane Group			



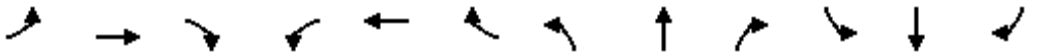
Movement	EBL	EBR	NBL	NBT	SBT	SBR
Lane Configurations						
Volume (vph)	160	830	280	220	440	50
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900
Total Lost time (s)	4.0	4.0	4.0	4.0	4.0	4.0
Lane Util. Factor	1.00	1.00	1.00	1.00	1.00	1.00
Frt	1.00	0.85	1.00	1.00	1.00	0.85
Flt Protected	0.95	1.00	0.95	1.00	1.00	1.00
Satd. Flow (prot)	1770	1583	1770	1863	1863	1583
Flt Permitted	0.95	1.00	0.95	1.00	1.00	1.00
Satd. Flow (perm)	1770	1583	1770	1863	1863	1583
Peak-hour factor, PHF	0.98	0.98	0.98	0.98	0.98	0.98
Adj. Flow (vph)	163	847	286	224	449	51
RTOR Reduction (vph)	0	363	0	0	0	37
Lane Group Flow (vph)	163	484	286	224	449	14
Turn Type		Perm	Prot			Perm
Protected Phases	4		5	2	6	
Permitted Phases		4				6
Actuated Green, G (s)	25.0	25.0	15.1	39.1	20.0	20.0
Effective Green, g (s)	25.0	25.0	15.1	39.1	20.0	20.0
Actuated g/C Ratio	0.35	0.35	0.21	0.54	0.28	0.28
Clearance Time (s)	4.0	4.0	4.0	4.0	4.0	4.0
Vehicle Extension (s)	3.0	3.0	3.0	3.0	3.0	3.0
Lane Grp Cap (vph)	614	549	371	1010	517	439
v/s Ratio Prot	0.09		c0.16	0.12	c0.24	
v/s Ratio Perm		c0.31				0.01
v/c Ratio	0.27	0.88	0.77	0.22	0.87	0.03
Uniform Delay, d1	16.9	22.2	26.9	8.6	24.8	19.0
Progression Factor	1.00	1.00	1.00	1.00	1.00	1.00
Incremental Delay, d2	0.2	15.3	9.5	0.1	14.4	0.0
Delay (s)	17.2	37.4	36.4	8.7	39.2	19.0
Level of Service	B	D	D	A	D	B
Approach Delay (s)	34.2			24.2	37.1	
Approach LOS	C			C	D	

Intersection Summary			
HCM Average Control Delay	32.4	HCM Level of Service	C
HCM Volume to Capacity ratio	0.85		
Actuated Cycle Length (s)	72.1	Sum of lost time (s)	12.0
Intersection Capacity Utilization	81.2%	ICU Level of Service	D
Analysis Period (min)	15		
c Critical Lane Group			



Movement	WBL	WBR	NBT	NBR	SBL	SBT
Lane Configurations						
Volume (vph)	10	330	50	10	860	110
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900
Total Lost time (s)	4.0		4.0		4.0	4.0
Lane Util. Factor	1.00		1.00		1.00	1.00
Frt	0.87		0.98		1.00	1.00
Flt Protected	1.00		1.00		0.95	1.00
Satd. Flow (prot)	1616		1822		1770	1863
Flt Permitted	1.00		1.00		0.95	1.00
Satd. Flow (perm)	1616		1822		1770	1863
Peak-hour factor, PHF	0.96	0.96	0.96	0.96	0.96	0.96
Adj. Flow (vph)	10	344	52	10	896	115
RTOR Reduction (vph)	304	0	7	0	0	0
Lane Group Flow (vph)	50	0	55	0	896	115
Turn Type					Prot	
Protected Phases	8		2		1	6
Permitted Phases						
Actuated Green, G (s)	8.3		8.3		42.1	54.4
Effective Green, g (s)	8.3		8.3		42.1	54.4
Actuated g/C Ratio	0.12		0.12		0.60	0.77
Clearance Time (s)	4.0		4.0		4.0	4.0
Vehicle Extension (s)	3.0		3.0		3.0	3.0
Lane Grp Cap (vph)	190		214		1054	1433
v/s Ratio Prot	c0.03		c0.03		c0.51	0.06
v/s Ratio Perm						
v/c Ratio	0.27		0.26		0.85	0.08
Uniform Delay, d1	28.4		28.4		11.7	2.0
Progression Factor	1.00		1.00		1.00	1.00
Incremental Delay, d2	0.8		0.6		6.7	0.0
Delay (s)	29.2		29.0		18.4	2.0
Level of Service	C		C		B	A
Approach Delay (s)	29.2		29.0			16.5
Approach LOS	C		C			B

Intersection Summary			
HCM Average Control Delay	20.2	HCM Level of Service	C
HCM Volume to Capacity ratio	0.68		
Actuated Cycle Length (s)	70.7	Sum of lost time (s)	12.0
Intersection Capacity Utilization	82.0%	ICU Level of Service	D
Analysis Period (min)	15		
c Critical Lane Group			



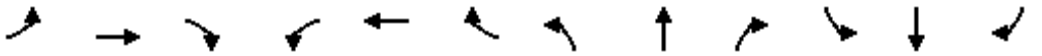
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Volume (vph)	240	0	210	100	0	240	130	1630	80	200	590	150
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Total Lost time (s)	4.0	4.0		4.0	4.0		4.0	4.0	4.0	4.0	4.0	4.0
Lane Util. Factor	1.00	1.00		1.00	1.00		1.00	0.95	1.00	1.00	0.95	1.00
Frpb, ped/bikes	1.00	0.98		1.00	0.97		1.00	1.00	0.96	1.00	1.00	0.96
Flpb, ped/bikes	1.00	1.00		1.00	1.00		1.00	1.00	1.00	1.00	1.00	1.00
Frt	1.00	0.85		1.00	0.85		1.00	1.00	0.85	1.00	1.00	0.85
Flt Protected	0.95	1.00		0.95	1.00		0.95	1.00	1.00	0.95	1.00	1.00
Satd. Flow (prot)	1770	1554		1770	1532		1770	3539	1524	1770	3539	1524
Flt Permitted	0.44	1.00		0.49	1.00		0.95	1.00	1.00	0.95	1.00	1.00
Satd. Flow (perm)	828	1554		914	1532		1770	3539	1524	1770	3539	1524
Peak-hour factor, PHF	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
Adj. Flow (vph)	261	0	228	109	0	261	141	1772	87	217	641	163
RTOR Reduction (vph)	0	155	0	0	158	0	0	0	47	0	0	87
Lane Group Flow (vph)	261	73	0	109	103	0	141	1772	40	217	641	76
Confl. Peds. (#/hr)			5			5			5			5
Turn Type	Perm			Perm			Prot		Perm	Prot		Perm
Protected Phases		4			8		5	2		1	6	
Permitted Phases	4			8					2			6
Actuated Green, G (s)	38.4	38.4		38.4	38.4		13.7	55.6	55.6	14.0	55.9	55.9
Effective Green, g (s)	38.4	38.4		38.4	38.4		13.7	55.6	55.6	14.0	55.9	55.9
Actuated g/C Ratio	0.32	0.32		0.32	0.32		0.11	0.46	0.46	0.12	0.47	0.47
Clearance Time (s)	4.0	4.0		4.0	4.0		4.0	4.0	4.0	4.0	4.0	4.0
Vehicle Extension (s)	3.0	3.0		3.0	3.0		3.0	3.0	3.0	3.0	3.0	3.0
Lane Grp Cap (vph)	265	497		292	490		202	1640	706	207	1649	710
v/s Ratio Prot		0.05			0.07		0.08	c0.50		c0.12	0.18	
v/s Ratio Perm	c0.32			0.12					0.03			0.05
v/c Ratio	0.98	0.15		0.37	0.21		0.70	1.08	0.06	1.05	0.39	0.11
Uniform Delay, d1	40.5	29.1		31.5	29.7		51.2	32.2	17.8	53.0	20.9	18.0
Progression Factor	1.00	1.00		1.00	1.00		1.10	0.81	0.62	1.17	0.80	1.20
Incremental Delay, d2	50.7	0.1		0.8	0.2		7.6	45.1	0.1	73.0	0.6	0.3
Delay (s)	91.2	29.2		32.3	30.0		63.8	71.2	11.1	135.1	17.3	21.9
Level of Service	F	C		C	C		E	E	B	F	B	C
Approach Delay (s)		62.3			30.7			68.1			43.1	
Approach LOS		E			C			E			D	

Intersection Summary			
HCM Average Control Delay	57.2	HCM Level of Service	E
HCM Volume to Capacity ratio	1.04		
Actuated Cycle Length (s)	120.0	Sum of lost time (s)	12.0
Intersection Capacity Utilization	98.9%	ICU Level of Service	F
Analysis Period (min)	15		

c Critical Lane Group

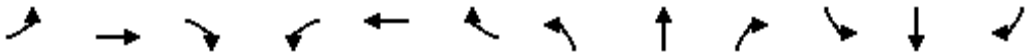
2035 No Project
LOS Calculation Worksheets

FEHR PEERS



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Volume (vph)	0	0	0	290	0	1690	20	350	0	0	1630	350
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Total Lost time (s)					4.0	4.0	4.0	4.0			4.0	2.3
Lane Util. Factor					1.00	0.88	1.00	0.95			0.91	1.00
Frpb, ped/bikes					1.00	1.00	1.00	1.00			1.00	0.99
Flpb, ped/bikes					1.00	1.00	1.00	1.00			1.00	1.00
Frt					1.00	0.85	1.00	1.00			1.00	0.85
Flt Protected					0.95	1.00	0.95	1.00			1.00	1.00
Satd. Flow (prot)					1719	2707	1719	3438			4940	1519
Flt Permitted					0.95	1.00	0.95	1.00			1.00	1.00
Satd. Flow (perm)					1719	2707	1719	3438			4940	1519
Peak-hour factor, PHF	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
Adj. Flow (vph)	0	0	0	305	0	1779	21	368	0	0	1716	368
RTOR Reduction (vph)	0	0	0	0	0	345	0	0	0	0	0	0
Lane Group Flow (vph)	0	0	0	0	305	1434	21	368	0	0	1716	368
Confl. Bikes (#/hr)												2
Heavy Vehicles (%)	5%	5%	5%	5%	5%	5%	5%	5%	5%	5%	5%	5%
Turn Type				Split		Perm	Prot					Free
Protected Phases				8	8		5	2			6	
Permitted Phases						8						Free
Actuated Green, G (s)					62.1	62.1	4.8	57.1			47.8	130.0
Effective Green, g (s)					63.2	63.2	5.3	58.8			49.5	130.0
Actuated g/C Ratio					0.49	0.49	0.04	0.45			0.38	1.00
Clearance Time (s)					5.1	5.1	4.5	5.7			5.7	
Vehicle Extension (s)					3.0	3.0	3.0	3.0			3.0	
Lane Grp Cap (vph)					836	1316	70	1555			1881	1519
v/s Ratio Prot					0.18		0.01	0.11			c0.35	
v/s Ratio Perm						c0.53						c0.24
v/c Ratio					0.36	1.09	0.30	0.24			0.91	0.24
Uniform Delay, d1					20.9	33.4	60.5	21.8			38.2	0.0
Progression Factor					1.00	1.00	0.96	0.83			1.00	1.00
Incremental Delay, d2					0.3	53.1	2.4	0.4			8.2	0.4
Delay (s)					21.1	86.5	60.5	18.4			46.4	0.4
Level of Service					C	F	E	B			D	A
Approach Delay (s)		0.0			76.9			20.7			38.3	
Approach LOS		A			E			C			D	

Intersection Summary			
HCM Average Control Delay	54.4	HCM Level of Service	D
HCM Volume to Capacity ratio	0.95		
Actuated Cycle Length (s)	130.0	Sum of lost time (s)	8.0
Intersection Capacity Utilization	75.8%	ICU Level of Service	D
Analysis Period (min)	15		
c Critical Lane Group			



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Volume (vph)	160	0	20	0	0	0	0	200	110	0	360	0
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Total Lost time (s)	5.1	5.1	5.1					5.7	5.7		5.7	
Lane Util. Factor	0.95	0.95	1.00					0.95	1.00		0.95	
Frpb, ped/bikes	1.00	1.00	1.00					1.00	1.00		1.00	
Flpb, ped/bikes	1.00	1.00	1.00					1.00	1.00		1.00	
Frt	1.00	1.00	0.85					1.00	0.85		1.00	
Flt Protected	0.95	0.95	1.00					1.00	1.00		1.00	
Satd. Flow (prot)	1633	1633	1538					3438	1538		3438	
Flt Permitted	0.95	0.95	1.00					1.00	1.00		1.00	
Satd. Flow (perm)	1633	1633	1538					3438	1538		3438	
Peak-hour factor, PHF	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
Adj. Flow (vph)	168	0	21	0	0	0	0	211	116	0	379	0
RTOR Reduction (vph)	0	0	18	0	0	0	0	0	33	0	0	0
Lane Group Flow (vph)	84	84	3	0	0	0	0	211	83	0	379	0
Confl. Bikes (#/hr)												1
Heavy Vehicles (%)	5%	5%	5%	5%	5%	5%	5%	5%	5%	5%	5%	5%
Turn Type	Split		Perm						Perm			
Protected Phases	4	4						2			6	
Permitted Phases			4						2			
Actuated Green, G (s)	7.8	7.8	7.8					46.4	46.4		46.4	
Effective Green, g (s)	7.8	7.8	7.8					46.4	46.4		46.4	
Actuated g/C Ratio	0.12	0.12	0.12					0.71	0.71		0.71	
Clearance Time (s)	5.1	5.1	5.1					5.7	5.7		5.7	
Vehicle Extension (s)	3.0	3.0	3.0					3.0	3.0		3.0	
Lane Grp Cap (vph)	196	196	185					2454	1098		2454	
v/s Ratio Prot	c0.05	0.05						0.06			c0.11	
v/s Ratio Perm			0.00						0.05			
v/c Ratio	0.43	0.43	0.01					0.09	0.08		0.15	
Uniform Delay, d1	26.5	26.5	25.2					2.8	2.8		3.0	
Progression Factor	1.00	1.00	1.00					1.00	1.00		0.72	
Incremental Delay, d2	1.5	1.5	0.0					0.1	0.1		0.1	
Delay (s)	28.0	28.0	25.2					2.9	2.9		2.2	
Level of Service	C	C	C					A	A		A	
Approach Delay (s)		27.7			0.0			2.9			2.2	
Approach LOS		C			A			A			A	

Intersection Summary			
HCM Average Control Delay	7.9	HCM Level of Service	A
HCM Volume to Capacity ratio	0.19		
Actuated Cycle Length (s)	65.0	Sum of lost time (s)	10.8
Intersection Capacity Utilization	99.3%	ICU Level of Service	F
Analysis Period (min)	15		
c Critical Lane Group			



Movement	WBL	WBR	NBT	NBR	SBL	SBT
Lane Configurations						
Volume (vph)	10	10	320	10	10	460
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900
Total Lost time (s)	4.0	4.0	4.0	4.0	4.0	4.0
Lane Util. Factor	1.00	1.00	1.00	1.00	1.00	1.00
Frt	1.00	0.85	1.00	0.85	1.00	1.00
Flt Protected	0.95	1.00	1.00	1.00	0.95	1.00
Satd. Flow (prot)	1719	1538	1810	1538	1719	1810
Flt Permitted	0.95	1.00	1.00	1.00	0.56	1.00
Satd. Flow (perm)	1719	1538	1810	1538	1009	1810
Peak-hour factor, PHF	0.95	0.95	0.95	0.95	0.95	0.95
Adj. Flow (vph)	11	11	337	11	11	484
RTOR Reduction (vph)	0	0	0	2	0	0
Lane Group Flow (vph)	11	11	337	9	11	484
Heavy Vehicles (%)	5%	5%	5%	5%	5%	5%
Turn Type		Free		Perm	Perm	
Protected Phases	8		2			6
Permitted Phases		Free		2	6	
Actuated Green, G (s)	1.4	65.0	55.6	55.6	55.6	55.6
Effective Green, g (s)	1.4	65.0	55.6	55.6	55.6	55.6
Actuated g/C Ratio	0.02	1.00	0.86	0.86	0.86	0.86
Clearance Time (s)	4.0		4.0	4.0	4.0	4.0
Vehicle Extension (s)	3.0		3.0	3.0	3.0	3.0
Lane Grp Cap (vph)	37	1538	1548	1316	863	1548
v/s Ratio Prot	c0.01		0.19			c0.27
v/s Ratio Perm		0.01		0.01	0.01	
v/c Ratio	0.30	0.01	0.22	0.01	0.01	0.31
Uniform Delay, d1	31.3	0.0	0.8	0.7	0.7	0.9
Progression Factor	1.00	1.00	1.00	1.00	1.00	1.00
Incremental Delay, d2	4.5	0.0	0.3	0.0	0.0	0.5
Delay (s)	35.8	0.0	1.2	0.7	0.7	1.5
Level of Service	D	A	A	A	A	A
Approach Delay (s)	17.9		1.1			1.4
Approach LOS	B		A			A

Intersection Summary			
HCM Average Control Delay	1.7	HCM Level of Service	A
HCM Volume to Capacity ratio	0.31		
Actuated Cycle Length (s)	65.0	Sum of lost time (s)	8.0
Intersection Capacity Utilization	34.2%	ICU Level of Service	A
Analysis Period (min)	15		

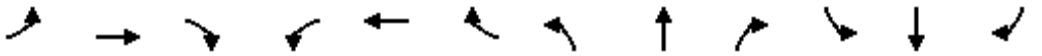
c Critical Lane Group



Movement	WBL	WBR	NBT	NBR	SBL	SBT
Lane Configurations						
Volume (veh/h)	10	10	310	10	10	450
Sign Control	Stop		Free			Free
Grade	0%		0%			0%
Peak Hour Factor	0.95	0.95	0.95	0.95	0.95	0.95
Hourly flow rate (vph)	11	11	326	11	11	474
Pedestrians						
Lane Width (ft)						
Walking Speed (ft/s)						
Percent Blockage						
Right turn flare (veh)						
Median type			None			None
Median storage veh)						
Upstream signal (ft)						1043
pX, platoon unblocked						
vC, conflicting volume	821	326			337	
vC1, stage 1 conf vol						
vC2, stage 2 conf vol						
vCu, unblocked vol	821	326			337	
tC, single (s)	6.4	6.2			4.1	
tC, 2 stage (s)						
tF (s)	3.5	3.3			2.2	
p0 queue free %	97	99			99	
cM capacity (veh/h)	337	708			1206	

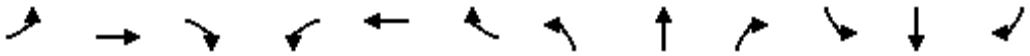
Direction, Lane #	WB 1	WB 2	NB 1	NB 2	SB 1	SB 2
Volume Total	11	11	326	11	11	474
Volume Left	11	0	0	0	11	0
Volume Right	0	11	0	11	0	0
cSH	337	708	1700	1700	1206	1700
Volume to Capacity	0.03	0.01	0.19	0.01	0.01	0.28
Queue Length 95th (ft)	2	1	0	0	1	0
Control Delay (s)	16.0	10.2	0.0	0.0	8.0	0.0
Lane LOS	C	B			A	
Approach Delay (s)	13.1		0.0		0.2	
Approach LOS	B					

Intersection Summary			
Average Delay	0.4		
Intersection Capacity Utilization	33.7%	ICU Level of Service	A
Analysis Period (min)	15		



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Volume (vph)	10	10	10	250	10	100	10	180	100	100	190	10
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Total Lost time (s)	7.5	7.5	7.5	7.5	7.5		7.5	7.5	7.5	7.5	7.5	7.5
Lane Util. Factor	1.00	0.95	1.00	0.97	1.00		1.00	0.95	1.00	0.97	0.95	1.00
Frpb, ped/bikes	1.00	1.00	1.00	1.00	0.99		1.00	1.00	0.99	1.00	1.00	1.00
Flpb, ped/bikes	1.00	1.00	1.00	1.00	1.00		1.00	1.00	1.00	1.00	1.00	1.00
Frt	1.00	1.00	0.85	1.00	0.86		1.00	1.00	0.85	1.00	1.00	0.85
Flt Protected	0.95	1.00	1.00	0.95	1.00		0.95	1.00	1.00	0.95	1.00	1.00
Satd. Flow (prot)	1568	3139	1404	3045	1411		1570	3139	1387	3045	3139	1404
Flt Permitted	0.95	1.00	1.00	0.95	1.00		0.95	1.00	1.00	0.95	1.00	1.00
Satd. Flow (perm)	1568	3139	1404	3045	1411		1570	3139	1387	3045	3139	1404
Peak-hour factor, PHF	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
Adj. Flow (vph)	11	11	11	263	11	105	11	189	105	105	200	11
RTOR Reduction (vph)	0	0	10	0	82	0	0	0	82	0	0	7
Lane Group Flow (vph)	11	11	1	263	34	0	11	189	23	105	200	4
Confl. Peds. (#/hr)	2					2			1	1		
Heavy Vehicles (%)	15%	15%	15%	15%	15%	15%	15%	15%	15%	15%	15%	15%
Turn Type	Prot		Perm	Prot			Prot		Perm	Prot		Perm
Protected Phases	7	4		3	8		5	2		1	6	
Permitted Phases			4						2			6
Actuated Green, G (s)	0.7	4.3	4.3	12.8	16.4		0.7	16.2	16.2	11.1	26.6	26.6
Effective Green, g (s)	0.7	4.3	4.3	12.8	16.4		0.7	16.2	16.2	11.1	26.6	26.6
Actuated g/C Ratio	0.01	0.06	0.06	0.17	0.22		0.01	0.22	0.22	0.15	0.36	0.36
Clearance Time (s)	7.5	7.5	7.5	7.5	7.5		7.5	7.5	7.5	7.5	7.5	7.5
Vehicle Extension (s)	3.0	3.0	3.0	3.0	3.0		3.0	3.0	3.0	3.0	3.0	3.0
Lane Grp Cap (vph)	15	181	81	524	311		15	683	302	454	1122	502
v/s Ratio Prot	0.01	0.00		c0.09	c0.02		0.01	c0.06		c0.03	c0.06	
v/s Ratio Perm			0.00						0.02			0.00
v/c Ratio	0.73	0.06	0.01	0.50	0.11		0.73	0.28	0.08	0.23	0.18	0.01
Uniform Delay, d1	36.8	33.1	33.0	27.9	23.2		36.8	24.2	23.1	27.9	16.4	15.4
Progression Factor	1.00	1.00	1.00	1.00	1.00		1.00	1.00	1.00	1.00	1.00	1.00
Incremental Delay, d2	103.2	0.1	0.0	0.8	0.2		103.2	0.2	0.1	0.3	0.1	0.0
Delay (s)	140.0	33.3	33.1	28.7	23.3		140.0	24.4	23.3	28.2	16.5	15.4
Level of Service	F	C	C	C	C		F	C	C	C	B	B
Approach Delay (s)		68.8			27.0			28.2			20.3	
Approach LOS		E			C			C			C	

Intersection Summary			
HCM Average Control Delay	26.7	HCM Level of Service	C
HCM Volume to Capacity ratio	0.32		
Actuated Cycle Length (s)	74.4	Sum of lost time (s)	30.0
Intersection Capacity Utilization	51.1%	ICU Level of Service	A
Analysis Period (min)	15		
c Critical Lane Group			



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Volume (veh/h)	20	90	0	0	270	190	60	0	190	0	0	0
Sign Control		Free			Free			Stop			Stop	
Grade		0%			0%			0%			0%	
Peak Hour Factor	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
Hourly flow rate (vph)	21	95	0	0	284	200	63	0	200	0	0	0
Pedestrians												
Lane Width (ft)												
Walking Speed (ft/s)												
Percent Blockage												
Right turn flare (veh)									3			
Median type		None			None							
Median storage veh)												
Upstream signal (ft)					1190							
pX, platoon unblocked												
vC, conflicting volume	284			95			421	421	95	421	421	284
vC1, stage 1 conf vol												
vC2, stage 2 conf vol												
vCu, unblocked vol	284			95			421	421	95	421	421	284
tC, single (s)	4.1			4.1			7.1	6.5	6.2	7.1	6.5	6.2
tC, 2 stage (s)												
tF (s)	2.2			2.2			3.5	4.0	3.3	3.5	4.0	3.3
p0 queue free %	98			100			88	100	79	100	100	100
cM capacity (veh/h)	1261			1481			531	511	954	419	511	748

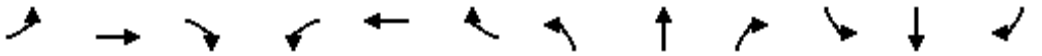
Direction, Lane #	EB 1	WB 1	WB 2	NB 1
Volume Total	116	284	200	263
Volume Left	21	0	0	63
Volume Right	0	0	200	200
cSH	1261	1700	1700	1255
Volume to Capacity	0.02	0.17	0.12	0.21
Queue Length 95th (ft)	1	0	0	20
Control Delay (s)	1.6	0.0	0.0	10.5
Lane LOS	A			B
Approach Delay (s)	1.6	0.0		10.5
Approach LOS				B

Intersection Summary			
Average Delay	3.4		
Intersection Capacity Utilization	31.9%	ICU Level of Service	A
Analysis Period (min)	15		

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Volume (veh/h)	0	40	20	120	210	0	0	0	0	70	0	20
Sign Control		Free			Free			Stop			Stop	
Grade		0%			0%			0%			0%	
Peak Hour Factor	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
Hourly flow rate (vph)	0	42	21	126	221	0	0	0	0	74	0	21
Pedestrians												
Lane Width (ft)												
Walking Speed (ft/s)												
Percent Blockage												
Right turn flare (veh)												2
Median type		None			None							
Median storage veh)												
Upstream signal (ft)												
pX, platoon unblocked												
vC, conflicting volume	221			63			526	526	53	526	537	221
vC1, stage 1 conf vol												
vC2, stage 2 conf vol												
vCu, unblocked vol	221			63			526	526	53	526	537	221
tC, single (s)	4.1			4.1			7.1	6.5	6.2	7.1	6.5	6.2
tC, 2 stage (s)												
tF (s)	2.2			2.2			3.5	4.0	3.3	3.5	4.0	3.3
p0 queue free %	100			92			100	100	100	83	100	97
cM capacity (veh/h)	1330			1521			417	415	1006	428	409	811

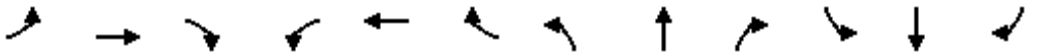
Direction, Lane #	EB 1	WB 1	SB 1
Volume Total	63	347	95
Volume Left	0	126	74
Volume Right	21	0	21
cSH	1700	1521	551
Volume to Capacity	0.04	0.08	0.17
Queue Length 95th (ft)	0	7	15
Control Delay (s)	0.0	3.2	13.9
Lane LOS		A	B
Approach Delay (s)	0.0	3.2	13.9
Approach LOS			B

Intersection Summary				
Average Delay	4.8			
Intersection Capacity Utilization	34.9%	ICU Level of Service	A	
Analysis Period (min)	15			



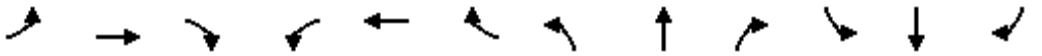
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Volume (vph)	10	10	10	320	10	10	10	50	170	10	50	10
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Total Lost time (s)	4.0	4.0	4.0	4.0	4.0		4.0	4.0	4.0	4.0	4.0	
Lane Util. Factor	1.00	1.00	1.00	0.97	0.95		0.97	1.00	1.00	1.00	1.00	
Frt	1.00	1.00	0.85	1.00	0.93		1.00	1.00	0.85	1.00	0.97	
Flt Protected	0.95	1.00	1.00	0.95	1.00		0.95	1.00	1.00	0.95	1.00	
Satd. Flow (prot)	1770	1863	1583	3433	3274		3433	1863	1583	1770	1815	
Flt Permitted	0.74	1.00	1.00	0.75	1.00		1.00	1.00	1.00	1.00	1.00	
Satd. Flow (perm)	1383	1863	1583	2712	3274		3614	1863	1583	1863	1815	
Peak-hour factor, PHF	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
Adj. Flow (vph)	11	11	11	337	11	11	11	53	179	11	53	11
RTOR Reduction (vph)	0	0	0	0	4	0	0	0	0	0	10	0
Lane Group Flow (vph)	11	11	11	337	18	0	11	53	179	11	54	0
Turn Type	Perm		Free	Perm			Perm		Free	Perm		
Protected Phases		4			8			2			6	
Permitted Phases	4		Free	8			2		Free	6		
Actuated Green, G (s)	16.7	16.7	27.5	16.7	16.7		2.8	2.8	27.5	2.8	2.8	
Effective Green, g (s)	16.7	16.7	27.5	16.7	16.7		2.8	2.8	27.5	2.8	2.8	
Actuated g/C Ratio	0.61	0.61	1.00	0.61	0.61		0.10	0.10	1.00	0.10	0.10	
Clearance Time (s)	4.0	4.0		4.0	4.0		4.0	4.0		4.0	4.0	
Vehicle Extension (s)	3.0	3.0		3.0	3.0		3.0	3.0		3.0	3.0	
Lane Grp Cap (vph)	840	1131	1583	1647	1988		368	190	1583	190	185	
v/s Ratio Prot		0.01			0.01			0.03			c0.03	
v/s Ratio Perm	0.01		0.01	c0.12			0.00		0.11	0.01		
v/c Ratio	0.01	0.01	0.01	0.20	0.01		0.03	0.28	0.11	0.06	0.29	
Uniform Delay, d1	2.1	2.1	0.0	2.4	2.1		11.1	11.4	0.0	11.2	11.4	
Progression Factor	1.00	1.00	1.00	1.00	1.00		1.00	1.00	1.00	1.00	1.00	
Incremental Delay, d2	0.0	0.0	0.0	0.1	0.0		0.0	0.8	0.1	0.1	0.9	
Delay (s)	2.1	2.1	0.0	2.5	2.1		11.2	12.2	0.1	11.3	12.3	
Level of Service	A	A	A	A	A		B	B	A	B	B	
Approach Delay (s)		1.4			2.5			3.3			12.2	
Approach LOS		A			A			A			B	

Intersection Summary			
HCM Average Control Delay	3.7	HCM Level of Service	A
HCM Volume to Capacity ratio	0.22		
Actuated Cycle Length (s)	27.5	Sum of lost time (s)	8.0
Intersection Capacity Utilization	29.7%	ICU Level of Service	A
Analysis Period (min)	15		
c Critical Lane Group			



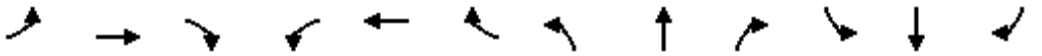
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Volume (vph)	10	60	20	10	260	40	80	210	10	40	390	20
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Total Lost time (s)	4.0	4.0		4.0	4.0		4.0	4.0		4.0	4.0	
Lane Util. Factor	1.00	1.00		1.00	1.00		1.00	0.95		1.00	0.95	
Frt	1.00	0.96		1.00	0.98		1.00	0.99		1.00	0.99	
Flt Protected	0.95	1.00		0.95	1.00		0.95	1.00		0.95	1.00	
Satd. Flow (prot)	1770	1793		1770	1826		1770	3514		1770	3513	
Flt Permitted	0.57	1.00		0.70	1.00		0.50	1.00		0.61	1.00	
Satd. Flow (perm)	1057	1793		1308	1826		933	3514		1131	3513	
Peak-hour factor, PHF	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
Adj. Flow (vph)	11	63	21	11	274	42	84	221	11	42	411	21
RTOR Reduction (vph)	0	14	0	0	14	0	0	7	0	0	7	0
Lane Group Flow (vph)	11	70	0	11	302	0	84	225	0	42	425	0
Turn Type	Perm			Perm			Perm			Perm		
Protected Phases		4			8			2			6	
Permitted Phases	4			8			2			6		
Actuated Green, G (s)	10.2	10.2		10.2	10.2		10.9	10.9		10.9	10.9	
Effective Green, g (s)	10.2	10.2		10.2	10.2		10.9	10.9		10.9	10.9	
Actuated g/C Ratio	0.35	0.35		0.35	0.35		0.37	0.37		0.37	0.37	
Clearance Time (s)	4.0	4.0		4.0	4.0		4.0	4.0		4.0	4.0	
Vehicle Extension (s)	3.0	3.0		3.0	3.0		3.0	3.0		3.0	3.0	
Lane Grp Cap (vph)	370	628		458	640		349	1316		424	1316	
v/s Ratio Prot		0.04			c0.17			0.06			c0.12	
v/s Ratio Perm	0.01			0.01			0.09			0.04		
v/c Ratio	0.03	0.11		0.02	0.47		0.24	0.17		0.10	0.32	
Uniform Delay, d1	6.2	6.4		6.2	7.4		6.3	6.1		5.9	6.5	
Progression Factor	1.00	1.00		1.00	1.00		1.00	1.00		1.00	1.00	
Incremental Delay, d2	0.0	0.1		0.0	0.6		0.4	0.1		0.1	0.1	
Delay (s)	6.2	6.5		6.2	7.9		6.6	6.1		6.0	6.6	
Level of Service	A	A		A	A		A	A		A	A	
Approach Delay (s)		6.4			7.8			6.3			6.6	
Approach LOS		A			A			A			A	

Intersection Summary			
HCM Average Control Delay	6.8	HCM Level of Service	A
HCM Volume to Capacity ratio	0.39		
Actuated Cycle Length (s)	29.1	Sum of lost time (s)	8.0
Intersection Capacity Utilization	42.0%	ICU Level of Service	A
Analysis Period (min)	15		
c Critical Lane Group			



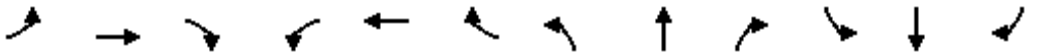
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Volume (vph)	40	130	10	10	300	60	10	10	10	20	10	30
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Total Lost time (s)	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0		4.0	4.0	4.0
Lane Util. Factor	0.94	0.95	1.00	1.00	0.95	1.00	1.00	1.00		1.00	1.00	1.00
Frt	1.00	1.00	0.85	1.00	1.00	0.85	1.00	0.93		1.00	1.00	0.85
Flt Protected	0.95	1.00	1.00	0.95	1.00	1.00	0.95	1.00		0.95	1.00	1.00
Satd. Flow (prot)	4990	3539	1583	1770	3539	1583	1770	1723		1770	1863	1583
Flt Permitted	0.56	1.00	1.00	0.67	1.00	1.00	1.00	1.00		1.00	1.00	1.00
Satd. Flow (perm)	2942	3539	1583	1239	3539	1583	1863	1723		1863	1863	1583
Peak-hour factor, PHF	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
Adj. Flow (vph)	42	137	11	11	316	63	11	11	11	21	11	32
RTOR Reduction (vph)	0	0	4	0	0	20	0	11	0	0	0	0
Lane Group Flow (vph)	42	137	7	11	316	43	11	11	0	21	11	32
Turn Type	Perm		Perm	Perm		Perm	Perm			Perm		Free
Protected Phases		4			8			2			6	
Permitted Phases	4		4	8		8	2			6		Free
Actuated Green, G (s)	19.5	19.5	19.5	19.5	19.5	19.5	1.3	1.3		1.3	1.3	28.8
Effective Green, g (s)	19.5	19.5	19.5	19.5	19.5	19.5	1.3	1.3		1.3	1.3	28.8
Actuated g/C Ratio	0.68	0.68	0.68	0.68	0.68	0.68	0.05	0.05		0.05	0.05	1.00
Clearance Time (s)	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0		4.0	4.0	
Vehicle Extension (s)	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0		3.0	3.0	
Lane Grp Cap (vph)	1992	2396	1072	839	2396	1072	84	78		84	84	1583
v/s Ratio Prot		0.04			c0.09			0.01			0.01	
v/s Ratio Perm	0.01		0.00	0.01		0.03	0.01			c0.01		0.02
v/c Ratio	0.02	0.06	0.01	0.01	0.13	0.04	0.13	0.15		0.25	0.13	0.02
Uniform Delay, d1	1.5	1.6	1.5	1.5	1.6	1.5	13.2	13.2		13.3	13.2	0.0
Progression Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00		1.00	1.00	1.00
Incremental Delay, d2	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.9		1.6	0.7	0.0
Delay (s)	1.5	1.6	1.5	1.5	1.7	1.6	13.9	14.1		14.8	13.9	0.0
Level of Service	A	A	A	A	A	A	B	B		B	B	A
Approach Delay (s)		1.6			1.7			14.0			7.3	
Approach LOS		A			A			B			A	

Intersection Summary			
HCM Average Control Delay	2.8	HCM Level of Service	A
HCM Volume to Capacity ratio	0.14		
Actuated Cycle Length (s)	28.8	Sum of lost time (s)	8.0
Intersection Capacity Utilization	25.9%	ICU Level of Service	A
Analysis Period (min)	15		
c Critical Lane Group			



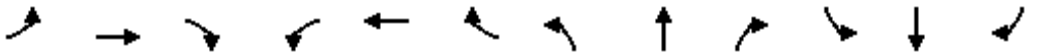
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Volume (vph)	10	20	10	10	80	10	10	10	10	10	10	10
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Total Lost time (s)	4.0	4.0		4.0	4.0	4.0	4.0	4.0		4.0	4.0	4.0
Lane Util. Factor	1.00	0.95		1.00	1.00	1.00	1.00	1.00		1.00	1.00	1.00
Frt	1.00	0.95		1.00	1.00	0.85	1.00	0.93		1.00	1.00	0.85
Flt Protected	0.95	1.00		0.95	1.00	1.00	0.95	1.00		0.95	1.00	1.00
Satd. Flow (prot)	1770	3357		1770	1863	1583	1770	1723		1770	1863	1583
Flt Permitted	0.70	1.00		0.74	1.00	1.00	1.00	1.00		1.00	1.00	1.00
Satd. Flow (perm)	1308	3357		1369	1863	1583	1863	1723		1863	1863	1583
Peak-hour factor, PHF	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
Adj. Flow (vph)	11	21	11	11	84	11	11	11	11	11	11	11
RTOR Reduction (vph)	0	4	0	0	0	4	0	10	0	0	0	10
Lane Group Flow (vph)	11	28	0	11	84	7	11	12	0	11	11	1
Turn Type	Perm			Perm		Perm	Perm			Perm		Perm
Protected Phases		4			8			2			6	
Permitted Phases	4			8		8	2			6		6
Actuated Green, G (s)	17.8	17.8		17.8	17.8	17.8	1.3	1.3		1.3	1.3	1.3
Effective Green, g (s)	17.8	17.8		17.8	17.8	17.8	1.3	1.3		1.3	1.3	1.3
Actuated g/C Ratio	0.66	0.66		0.66	0.66	0.66	0.05	0.05		0.05	0.05	0.05
Clearance Time (s)	4.0	4.0		4.0	4.0	4.0	4.0	4.0		4.0	4.0	4.0
Vehicle Extension (s)	3.0	3.0		3.0	3.0	3.0	3.0	3.0		3.0	3.0	3.0
Lane Grp Cap (vph)	859	2205		899	1224	1040	89	83		89	89	76
v/s Ratio Prot		0.01			c0.05			c0.01			0.01	
v/s Ratio Perm	0.01			0.01		0.00	0.01			0.01		0.00
v/c Ratio	0.01	0.01		0.01	0.07	0.01	0.12	0.14		0.12	0.12	0.01
Uniform Delay, d1	1.6	1.6		1.6	1.7	1.6	12.4	12.4		12.4	12.4	12.3
Progression Factor	1.00	1.00		1.00	1.00	1.00	1.00	1.00		1.00	1.00	1.00
Incremental Delay, d2	0.0	0.0		0.0	0.0	0.0	0.6	0.8		0.6	0.6	0.0
Delay (s)	1.6	1.6		1.6	1.7	1.6	13.0	13.1		13.0	13.0	12.3
Level of Service	A	A		A	A	A	B	B		B	B	B
Approach Delay (s)		1.6			1.7			13.1			12.8	
Approach LOS		A			A			B			B	

Intersection Summary			
HCM Average Control Delay	5.1	HCM Level of Service	A
HCM Volume to Capacity ratio	0.07		
Actuated Cycle Length (s)	27.1	Sum of lost time (s)	8.0
Intersection Capacity Utilization	21.1%	ICU Level of Service	A
Analysis Period (min)	15		
c Critical Lane Group			



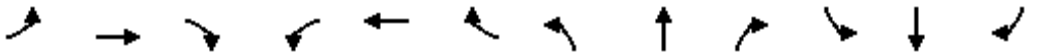
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Volume (vph)	0	0	0	1890	0	260	0	1260	440	0	430	30
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Total Lost time (s)				4.0	4.0	4.0		4.0	4.0		4.0	4.0
Lane Util. Factor				0.91	0.91	1.00		0.95	0.88		0.91	1.00
Frt				1.00	1.00	0.85		1.00	0.85		1.00	0.85
Flt Protected				0.95	0.95	1.00		1.00	1.00		1.00	1.00
Satd. Flow (prot)				3221	1610	1583		3539	2787		5085	1583
Flt Permitted				0.95	0.95	1.00		1.00	1.00		1.00	1.00
Satd. Flow (perm)				3221	1610	1583		3539	2787		5085	1583
Peak-hour factor, PHF	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
Adj. Flow (vph)	0	0	0	1989	0	274	0	1326	463	0	453	32
RTOR Reduction (vph)	0	0	0	0	0	0	0	0	0	0	0	18
Lane Group Flow (vph)	0	0	0	1333	656	274	0	1326	463	0	453	14
Turn Type				Split		Free			pm+ov			Perm
Protected Phases				8	8			2	8		6	
Permitted Phases						Free			2			6
Actuated Green, G (s)				34.9	34.9	75.0		32.1	67.0		32.1	32.1
Effective Green, g (s)				34.9	34.9	75.0		32.1	67.0		32.1	32.1
Actuated g/C Ratio				0.47	0.47	1.00		0.43	0.89		0.43	0.43
Clearance Time (s)				4.0	4.0			4.0	4.0		4.0	4.0
Vehicle Extension (s)				3.0	3.0			3.0	3.0		3.0	3.0
Lane Grp Cap (vph)				1499	749	1583		1515	2787		2176	678
v/s Ratio Prot				c0.41	0.41			c0.37	0.08		0.09	
v/s Ratio Perm						0.17			0.09			0.01
v/c Ratio				0.89	0.88	0.17		0.88	0.17		0.21	0.02
Uniform Delay, d1				18.3	18.1	0.0		19.6	0.5		13.5	12.4
Progression Factor				1.00	1.00	1.00		0.75	1.00		1.00	1.00
Incremental Delay, d2				6.8	11.2	0.2		7.0	0.0		0.2	0.1
Delay (s)				25.1	29.3	0.2		21.8	0.5		13.7	12.4
Level of Service				C	C	A		C	A		B	B
Approach Delay (s)		0.0			23.3			16.3			13.6	
Approach LOS		A			C			B			B	

Intersection Summary			
HCM Average Control Delay	19.5	HCM Level of Service	B
HCM Volume to Capacity ratio	0.88		
Actuated Cycle Length (s)	75.0	Sum of lost time (s)	8.0
Intersection Capacity Utilization	77.4%	ICU Level of Service	D
Analysis Period (min)	15		
c Critical Lane Group			



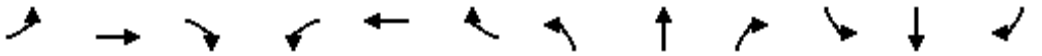
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Volume (vph)	50	0	710	0	0	0	0	1650	1130	0	2180	130
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Total Lost time (s)		4.0	4.0					4.0	4.0		4.0	4.0
Lane Util. Factor		1.00	1.00					0.91	0.88		0.91	1.00
Frt		1.00	0.85					1.00	0.85		1.00	0.85
Flt Protected		0.95	1.00					1.00	1.00		1.00	1.00
Satd. Flow (prot)		1770	1583					5085	2787		5085	1583
Flt Permitted		0.95	1.00					1.00	1.00		1.00	1.00
Satd. Flow (perm)		1770	1583					5085	2787		5085	1583
Peak-hour factor, PHF	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
Adj. Flow (vph)	53	0	747	0	0	0	0	1737	1189	0	2295	137
RTOR Reduction (vph)	0	0	0	0	0	0	0	0	211	0	0	24
Lane Group Flow (vph)	0	53	747	0	0	0	0	1737	978	0	2295	113
Turn Type	Split		Free						Perm			Perm
Protected Phases	4	4						2			6	
Permitted Phases			Free						2			6
Actuated Green, G (s)		5.3	75.0					61.7	61.7		61.7	61.7
Effective Green, g (s)		5.3	75.0					61.7	61.7		61.7	61.7
Actuated g/C Ratio		0.07	1.00					0.82	0.82		0.82	0.82
Clearance Time (s)		4.0						4.0	4.0		4.0	4.0
Vehicle Extension (s)		3.0						3.0	3.0		3.0	3.0
Lane Grp Cap (vph)		125	1583					4183	2293		4183	1302
v/s Ratio Prot		0.03						0.34			c0.45	
v/s Ratio Perm			c0.47						0.35			0.07
v/c Ratio		0.42	0.47					0.42	0.43		0.55	0.09
Uniform Delay, d1		33.4	0.0					1.8	1.8		2.1	1.3
Progression Factor		1.00	1.00					0.46	1.67		0.11	0.00
Incremental Delay, d2		2.3	1.0					0.3	0.5		0.3	0.1
Delay (s)		35.7	1.0					1.1	3.5		0.6	0.1
Level of Service		D	A					A	A		A	A
Approach Delay (s)		3.3			0.0			2.1			0.5	
Approach LOS		A			A			A			A	

Intersection Summary			
HCM Average Control Delay	1.6	HCM Level of Service	A
HCM Volume to Capacity ratio	0.54		
Actuated Cycle Length (s)	75.0	Sum of lost time (s)	4.0
Intersection Capacity Utilization	52.1%	ICU Level of Service	A
Analysis Period (min)	15		
c Critical Lane Group			



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Volume (vph)	700	50	100	10	80	470	220	1610	10	530	1290	1070
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Total Lost time (s)	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lane Util. Factor	0.94	1.00	1.00	1.00	1.00	1.00	0.97	0.86	1.00	0.97	0.91	0.88
Frt	1.00	1.00	0.85	1.00	1.00	0.85	1.00	1.00	0.85	1.00	1.00	0.85
Flt Protected	0.95	1.00	1.00	0.95	1.00	1.00	0.95	1.00	1.00	0.95	1.00	1.00
Satd. Flow (prot)	4990	1863	1583	1770	1863	1583	3433	6408	1583	3433	5085	2787
Flt Permitted	0.95	1.00	1.00	0.95	1.00	1.00	0.95	1.00	1.00	0.95	1.00	1.00
Satd. Flow (perm)	4990	1863	1583	1770	1863	1583	3433	6408	1583	3433	5085	2787
Peak-hour factor, PHF	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
Adj. Flow (vph)	737	53	105	11	84	495	232	1695	11	558	1358	1126
RTOR Reduction (vph)	0	0	0	0	0	0	0	0	5	0	0	0
Lane Group Flow (vph)	737	53	105	11	84	495	232	1695	6	558	1358	1126
Turn Type	Split		Free	Split		Free	Prot		pm+ov	Prot		Free
Protected Phases	4	4		8	8		5	2	8	1	6	
Permitted Phases			Free			Free			2			Free
Actuated Green, G (s)	29.7	29.7	150.0	12.1	12.1	150.0	12.7	69.2	81.3	23.0	79.5	150.0
Effective Green, g (s)	29.7	29.7	150.0	12.1	12.1	150.0	12.7	69.2	81.3	23.0	79.5	150.0
Actuated g/C Ratio	0.20	0.20	1.00	0.08	0.08	1.00	0.08	0.46	0.54	0.15	0.53	1.00
Clearance Time (s)	4.0	4.0		4.0	4.0		4.0	4.0	4.0	4.0	4.0	
Vehicle Extension (s)	3.0	3.0		3.0	3.0		3.0	3.0	3.0	3.0	3.0	
Lane Grp Cap (vph)	988	369	1583	143	150	1583	291	2956	858	526	2695	2787
v/s Ratio Prot	c0.15	0.03		0.01	c0.05		0.07	c0.26	0.00	c0.16	0.27	
v/s Ratio Perm			0.07			0.31			0.00			0.40
v/c Ratio	0.75	0.14	0.07	0.08	0.56	0.31	0.80	0.57	0.01	1.06	0.50	0.40
Uniform Delay, d1	56.6	49.7	0.0	63.8	66.4	0.0	67.4	29.6	15.8	63.5	22.6	0.0
Progression Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.87	0.84	1.00
Incremental Delay, d2	3.1	0.2	0.1	0.2	4.7	0.5	14.0	0.8	0.0	53.8	0.6	0.4
Delay (s)	59.7	49.8	0.1	64.0	71.1	0.5	81.4	30.4	15.8	109.4	19.6	0.4
Level of Service	E	D	A	E	E	A	F	C	B	F	B	A
Approach Delay (s)		52.1			11.7			36.4			29.0	
Approach LOS		D			B			D			C	

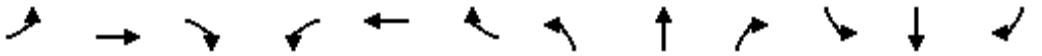
Intersection Summary			
HCM Average Control Delay	32.8	HCM Level of Service	C
HCM Volume to Capacity ratio	0.69		
Actuated Cycle Length (s)	150.0	Sum of lost time (s)	16.0
Intersection Capacity Utilization	68.4%	ICU Level of Service	C
Analysis Period (min)	15		
c Critical Lane Group			



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Volume (vph)	40	620	710	820	940	90	910	330	840	60	270	80
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Total Lost time (s)	5.5	6.1	4.0	5.5	6.1	6.1	5.5	6.1	4.0	5.5	6.1	6.1
Lane Util. Factor	1.00	0.91	1.00	0.97	0.91	1.00	0.97	0.95	1.00	0.97	0.95	1.00
Frpb, ped/bikes	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.98	1.00	1.00	1.00
Flpb, ped/bikes	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Frt	1.00	1.00	0.85	1.00	1.00	0.85	1.00	1.00	0.85	1.00	1.00	0.85
Flt Protected	0.95	1.00	1.00	0.95	1.00	1.00	0.95	1.00	1.00	0.95	1.00	1.00
Satd. Flow (prot)	1770	5085	1583	3433	5085	1583	3433	3539	1558	3433	3539	1583
Flt Permitted	0.95	1.00	1.00	0.95	1.00	1.00	0.95	1.00	1.00	0.95	1.00	1.00
Satd. Flow (perm)	1770	5085	1583	3433	5085	1583	3433	3539	1558	3433	3539	1583
Peak-hour factor, PHF	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
Adj. Flow (vph)	42	653	747	863	989	95	958	347	884	63	284	84
RTOR Reduction (vph)	0	0	0	0	0	62	0	0	0	0	0	74
Lane Group Flow (vph)	42	653	747	863	989	33	958	347	884	63	284	10
Confl. Peds. (#/hr)									14	14		
Turn Type	Prot		Free	Prot		Perm	Prot		Free	Prot		Perm
Protected Phases	5	2		1	6		7	4		3	8	
Permitted Phases			Free			6			Free			8
Actuated Green, G (s)	10.2	21.0	121.8	31.0	41.8	41.8	31.6	17.4	121.8	29.2	15.0	15.0
Effective Green, g (s)	10.2	21.0	121.8	31.0	41.8	41.8	31.6	17.4	121.8	29.2	15.0	15.0
Actuated g/C Ratio	0.08	0.17	1.00	0.25	0.34	0.34	0.26	0.14	1.00	0.24	0.12	0.12
Clearance Time (s)	5.5	6.1		5.5	6.1	6.1	5.5	6.1		5.5	6.1	6.1
Vehicle Extension (s)	3.0	3.0		3.0	3.0	3.0	3.0	3.0		3.0	3.0	3.0
Lane Grp Cap (vph)	148	877	1583	874	1745	543	891	506	1558	823	436	195
v/s Ratio Prot	0.02	c0.13		c0.25	0.19		c0.28	0.10		0.02	0.08	
v/s Ratio Perm			0.47			0.02			c0.57			0.01
v/c Ratio	0.28	0.74	0.47	0.99	0.57	0.06	1.08	0.69	0.57	0.08	0.65	0.05
Uniform Delay, d1	52.4	47.9	0.0	45.2	32.6	26.8	45.1	49.6	0.0	35.9	50.9	47.1
Progression Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Incremental Delay, d2	1.1	3.5	1.0	27.1	0.4	0.0	52.5	3.8	1.5	0.0	3.5	0.1
Delay (s)	53.4	51.3	1.0	72.3	33.0	26.9	97.6	53.4	1.5	35.9	54.4	47.2
Level of Service	D	D	A	E	C	C	F	D	A	D	D	D
Approach Delay (s)		25.3			50.1			51.8			50.3	
Approach LOS		C			D			D			D	

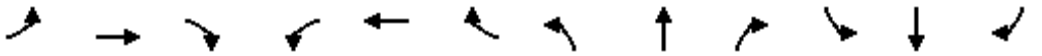
Intersection Summary			
HCM Average Control Delay	44.8	HCM Level of Service	D
HCM Volume to Capacity ratio	0.85		
Actuated Cycle Length (s)	121.8	Sum of lost time (s)	11.6
Intersection Capacity Utilization	88.1%	ICU Level of Service	E
Analysis Period (min)	15		

c Critical Lane Group



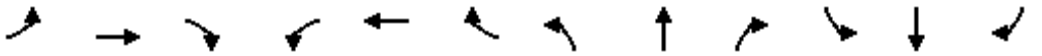
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Volume (vph)	10	20	10	60	80	220	10	2360	30	70	1540	10
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Total Lost time (s)	4.0	4.0		4.0	4.0		4.0	4.0	4.0	4.0	4.0	4.0
Lane Util. Factor	1.00	0.95		1.00	0.95		1.00	0.91	1.00	1.00	0.91	1.00
Frt	1.00	0.95		1.00	0.89		1.00	1.00	0.85	1.00	1.00	0.85
Flt Protected	0.95	1.00		0.95	1.00		0.95	1.00	1.00	0.95	1.00	1.00
Satd. Flow (prot)	1770	3357		1770	3149		1770	5085	1583	1770	5085	1583
Flt Permitted	0.95	1.00		0.95	1.00		0.95	1.00	1.00	0.95	1.00	1.00
Satd. Flow (perm)	1770	3357		1770	3149		1770	5085	1583	1770	5085	1583
Peak-hour factor, PHF	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
Adj. Flow (vph)	11	21	11	63	84	232	11	2484	32	74	1621	11
RTOR Reduction (vph)	0	10	0	0	148	0	0	0	8	0	0	3
Lane Group Flow (vph)	11	22	0	63	168	0	11	2484	24	74	1621	8
Turn Type	Prot			Prot			Prot		pm+ov	Prot		pm+ov
Protected Phases	7	4		3	8		5	2	3	1	6	7
Permitted Phases									2			6
Actuated Green, G (s)	2.2	8.1		5.2	11.1		1.1	60.7	65.9	6.0	65.6	67.8
Effective Green, g (s)	2.2	8.1		5.2	11.1		1.1	60.7	65.9	6.0	65.6	67.8
Actuated g/C Ratio	0.02	0.08		0.05	0.12		0.01	0.63	0.69	0.06	0.68	0.71
Clearance Time (s)	4.0	4.0		4.0	4.0		4.0	4.0	4.0	4.0	4.0	4.0
Vehicle Extension (s)	3.0	3.0		3.0	3.0		3.0	3.0	3.0	3.0	3.0	3.0
Lane Grp Cap (vph)	41	283		96	364		20	3215	1153	111	3475	1184
v/s Ratio Prot	0.01	0.01		c0.04	c0.05		0.01	c0.49	0.00	c0.04	0.32	0.00
v/s Ratio Perm									0.01			0.00
v/c Ratio	0.27	0.08		0.66	0.46		0.55	0.77	0.02	0.67	0.47	0.01
Uniform Delay, d1	46.1	40.5		44.5	39.7		47.2	12.7	4.8	44.0	7.1	4.2
Progression Factor	1.00	1.00		1.00	1.00		1.00	1.00	1.00	1.00	1.00	1.00
Incremental Delay, d2	3.5	0.1		15.0	0.9		28.9	1.2	0.0	14.1	0.1	0.0
Delay (s)	49.6	40.6		59.5	40.6		76.1	13.9	4.8	58.1	7.2	4.2
Level of Service	D	D		E	D		E	B	A	E	A	A
Approach Delay (s)		42.9			43.7			14.0			9.4	
Approach LOS		D			D			B			A	

Intersection Summary			
HCM Average Control Delay	15.0	HCM Level of Service	B
HCM Volume to Capacity ratio	0.73		
Actuated Cycle Length (s)	96.0	Sum of lost time (s)	16.0
Intersection Capacity Utilization	69.5%	ICU Level of Service	C
Analysis Period (min)	15		
c Critical Lane Group			



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Volume (vph)	40	10	40	10	10	10	250	2310	10	10	1530	90
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Total Lost time (s)		4.0	4.0		4.0		4.0	4.0	4.0	4.0	4.0	4.0
Lane Util. Factor		1.00	1.00		1.00		1.00	0.91	1.00	1.00	0.91	1.00
Frt		1.00	0.85		0.95		1.00	1.00	0.85	1.00	1.00	0.85
Flt Protected		0.96	1.00		0.98		0.95	1.00	1.00	0.95	1.00	1.00
Satd. Flow (prot)		1792	1583		1750		1770	5085	1583	1770	5085	1583
Flt Permitted		0.75	1.00		0.87		0.95	1.00	1.00	0.95	1.00	1.00
Satd. Flow (perm)		1394	1583		1544		1770	5085	1583	1770	5085	1583
Peak-hour factor, PHF	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
Adj. Flow (vph)	42	11	42	11	11	11	263	2432	11	11	1611	95
RTOR Reduction (vph)	0	0	0	0	10	0	0	0	2	0	0	44
Lane Group Flow (vph)	0	53	42	0	23	0	263	2432	9	11	1611	51
Turn Type	Perm		Free	Perm			Prot		Perm	Prot		Perm
Protected Phases		4			8		5	2		1	6	
Permitted Phases	4		Free	8					2			6
Actuated Green, G (s)		4.8	70.7		4.8		16.8	53.0	53.0	0.9	37.1	37.1
Effective Green, g (s)		4.8	70.7		4.8		16.8	53.0	53.0	0.9	37.1	37.1
Actuated g/C Ratio		0.07	1.00		0.07		0.24	0.75	0.75	0.01	0.52	0.52
Clearance Time (s)		4.0			4.0		4.0	4.0	4.0	4.0	4.0	4.0
Vehicle Extension (s)		3.0			3.0		3.0	3.0	3.0	3.0	3.0	3.0
Lane Grp Cap (vph)		95	1583		105		421	3812	1187	23	2668	831
v/s Ratio Prot							c0.15	c0.48		0.01	0.32	
v/s Ratio Perm		c0.04	0.03		0.01				0.01			0.03
v/c Ratio		0.56	0.03		0.22		0.62	0.64	0.01	0.48	0.60	0.06
Uniform Delay, d1		31.9	0.0		31.2		24.1	4.2	2.2	34.7	11.7	8.3
Progression Factor		1.00	1.00		1.00		1.00	1.00	1.00	1.00	1.00	1.00
Incremental Delay, d2		6.9	0.0		1.0		2.9	0.4	0.0	14.8	0.4	0.0
Delay (s)		38.9	0.0		32.2		27.0	4.6	2.2	49.5	12.1	8.3
Level of Service		D	A		C		C	A	A	D	B	A
Approach Delay (s)		21.7			32.2			6.8			12.1	
Approach LOS		C			C			A			B	

Intersection Summary			
HCM Average Control Delay	9.3	HCM Level of Service	A
HCM Volume to Capacity ratio	0.61		
Actuated Cycle Length (s)	70.7	Sum of lost time (s)	8.0
Intersection Capacity Utilization	66.3%	ICU Level of Service	C
Analysis Period (min)	15		
c Critical Lane Group			



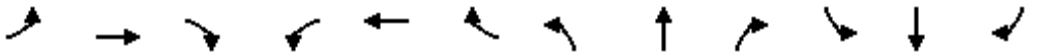
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Volume (vph)	10	20	10	30	110	410	10	1880	20	210	1310	10
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Total Lost time (s)	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lane Util. Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.91	1.00	1.00	0.91	1.00
Frt	1.00	1.00	0.85	1.00	1.00	0.85	1.00	1.00	0.85	1.00	1.00	0.85
Flt Protected	0.95	1.00	1.00	0.95	1.00	1.00	0.95	1.00	1.00	0.95	1.00	1.00
Satd. Flow (prot)	1770	1863	1583	1770	1863	1583	1770	5085	1583	1770	5085	1583
Flt Permitted	0.65	1.00	1.00	0.74	1.00	1.00	0.95	1.00	1.00	0.95	1.00	1.00
Satd. Flow (perm)	1219	1863	1583	1385	1863	1583	1770	5085	1583	1770	5085	1583
Peak-hour factor, PHF	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
Adj. Flow (vph)	11	21	11	32	116	432	11	1979	21	221	1379	11
RTOR Reduction (vph)	0	0	9	0	0	191	0	0	10	0	0	4
Lane Group Flow (vph)	11	21	2	32	116	241	11	1979	11	221	1379	7
Turn Type	Perm		Perm	Perm		Perm	Prot		Perm	Prot		Perm
Protected Phases		4			8		5	2		1	6	
Permitted Phases	4		4	8		8			2			6
Actuated Green, G (s)	17.9	17.9	17.9	17.9	17.9	17.9	0.7	42.8	42.8	14.0	56.1	56.1
Effective Green, g (s)	17.9	17.9	17.9	17.9	17.9	17.9	0.7	42.8	42.8	14.0	56.1	56.1
Actuated g/C Ratio	0.21	0.21	0.21	0.21	0.21	0.21	0.01	0.49	0.49	0.16	0.65	0.65
Clearance Time (s)	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Vehicle Extension (s)	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
Lane Grp Cap (vph)	252	385	327	286	385	327	14	2510	781	286	3290	1024
v/s Ratio Prot		0.01			0.06		0.01	c0.39		c0.12	0.27	
v/s Ratio Perm	0.01		0.00	0.02		c0.15			0.01			0.00
v/c Ratio	0.04	0.05	0.01	0.11	0.30	0.74	0.79	0.79	0.01	0.77	0.42	0.01
Uniform Delay, d1	27.5	27.6	27.3	27.9	29.1	32.2	42.9	18.2	11.2	34.8	7.4	5.4
Progression Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Incremental Delay, d2	0.1	0.1	0.0	0.2	0.4	8.4	130.6	1.7	0.0	12.2	0.1	0.0
Delay (s)	27.6	27.7	27.3	28.1	29.6	40.5	173.5	19.9	11.2	47.0	7.5	5.4
Level of Service	C	C	C	C	C	D	F	B	B	D	A	A
Approach Delay (s)		27.6			37.7			20.7			12.9	
Approach LOS		C			D			C			B	

Intersection Summary			
HCM Average Control Delay	20.1	HCM Level of Service	C
HCM Volume to Capacity ratio	0.77		
Actuated Cycle Length (s)	86.7	Sum of lost time (s)	12.0
Intersection Capacity Utilization	75.0%	ICU Level of Service	D
Analysis Period (min)	15		
c Critical Lane Group			



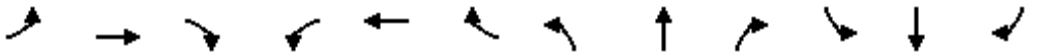
Movement	WBL	WBR	NBT	NBR	SBL	SBT
Lane Configurations						
Volume (vph)	220	300	1420	180	250	1020
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900
Total Lost time (s)	4.0	4.0	4.0	4.0	4.0	4.0
Lane Util. Factor	1.00	1.00	0.91	1.00	0.94	0.91
Frt	1.00	0.85	1.00	0.85	1.00	1.00
Flt Protected	0.95	1.00	1.00	1.00	0.95	1.00
Satd. Flow (prot)	1770	1583	5085	1583	4990	5085
Flt Permitted	0.95	1.00	1.00	1.00	0.95	1.00
Satd. Flow (perm)	1770	1583	5085	1583	4990	5085
Peak-hour factor, PHF	0.95	0.95	0.95	0.95	0.95	0.95
Adj. Flow (vph)	232	316	1495	189	263	1074
RTOR Reduction (vph)	0	270	0	106	0	0
Lane Group Flow (vph)	232	46	1495	83	263	1074
Turn Type		Over		Perm	Prot	
Protected Phases	8	1	2		1	6
Permitted Phases				2		
Actuated Green, G (s)	13.6	9.0	27.0	27.0	9.0	40.0
Effective Green, g (s)	13.6	9.0	27.0	27.0	9.0	40.0
Actuated g/C Ratio	0.22	0.15	0.44	0.44	0.15	0.65
Clearance Time (s)	4.0	4.0	4.0	4.0	4.0	4.0
Vehicle Extension (s)	3.0	3.0	3.0	3.0	3.0	3.0
Lane Grp Cap (vph)	391	231	2229	694	729	3302
v/s Ratio Prot	c0.13	0.03	c0.29		0.05	c0.21
v/s Ratio Perm				0.05		
v/c Ratio	0.59	0.20	0.67	0.12	0.36	0.33
Uniform Delay, d1	21.5	23.1	13.8	10.3	23.7	4.8
Progression Factor	1.00	1.00	1.00	1.00	1.00	1.00
Incremental Delay, d2	2.4	0.4	0.8	0.1	0.3	0.1
Delay (s)	23.9	23.6	14.6	10.3	24.0	4.9
Level of Service	C	C	B	B	C	A
Approach Delay (s)	23.7		14.1			8.6
Approach LOS	C		B			A

Intersection Summary			
HCM Average Control Delay	13.5	HCM Level of Service	B
HCM Volume to Capacity ratio	0.60		
Actuated Cycle Length (s)	61.6	Sum of lost time (s)	12.0
Intersection Capacity Utilization	54.4%	ICU Level of Service	A
Analysis Period (min)	15		
c Critical Lane Group			



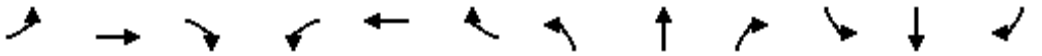
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Volume (vph)	0	0	0	10	0	140	50	760	0	0	380	200
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Total Lost time (s)					4.0	4.0	4.0	4.0			4.0	4.0
Lane Util. Factor					1.00	1.00	1.00	0.95			0.95	1.00
Frt					1.00	0.85	1.00	1.00			1.00	0.85
Flt Protected					0.95	1.00	0.95	1.00			1.00	1.00
Satd. Flow (prot)					1770	1583	1770	3539			3539	1583
Flt Permitted					0.95	1.00	0.95	1.00			1.00	1.00
Satd. Flow (perm)					1770	1583	1770	3539			3539	1583
Peak-hour factor, PHF	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
Adj. Flow (vph)	0	0	0	11	0	147	53	800	0	0	400	211
RTOR Reduction (vph)	0	0	0	0	0	120	0	0	0	0	0	71
Lane Group Flow (vph)	0	0	0	0	11	27	53	800	0	0	400	140
Turn Type				Split		Perm	Prot					Perm
Protected Phases				8	8		5	2			6	
Permitted Phases						8						6
Actuated Green, G (s)					6.3	6.3	5.2	55.7			46.5	46.5
Effective Green, g (s)					6.3	6.3	5.2	55.7			46.5	46.5
Actuated g/C Ratio					0.09	0.09	0.07	0.80			0.66	0.66
Clearance Time (s)					4.0	4.0	4.0	4.0			4.0	4.0
Vehicle Extension (s)					3.0	3.0	3.0	3.0			3.0	3.0
Lane Grp Cap (vph)					159	142	131	2816			2351	1052
v/s Ratio Prot					0.01		c0.03	c0.23			0.11	
v/s Ratio Perm						c0.02						0.09
v/c Ratio					0.07	0.19	0.40	0.28			0.17	0.13
Uniform Delay, d1					29.2	29.5	30.9	1.9			4.4	4.3
Progression Factor					1.00	1.00	1.06	0.79			1.00	1.00
Incremental Delay, d2					0.2	0.6	2.0	0.2			0.2	0.3
Delay (s)					29.4	30.1	34.7	1.7			4.6	4.6
Level of Service					C	C	C	A			A	A
Approach Delay (s)		0.0			30.1			3.8			4.6	
Approach LOS		A			C			A			A	

Intersection Summary			
HCM Average Control Delay	6.6	HCM Level of Service	A
HCM Volume to Capacity ratio	0.28		
Actuated Cycle Length (s)	70.0	Sum of lost time (s)	8.0
Intersection Capacity Utilization	37.2%	ICU Level of Service	A
Analysis Period (min)	15		
c Critical Lane Group			



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Volume (vph)	100	0	30	0	0	0	0	710	10	70	310	0
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Total Lost time (s)	4.0	4.0	4.0					4.0		4.0	4.0	
Lane Util. Factor	0.95	0.95	1.00					0.95		1.00	0.95	
Frt	1.00	1.00	0.85					1.00		1.00	1.00	
Flt Protected	0.95	0.95	1.00					1.00		0.95	1.00	
Satd. Flow (prot)	1681	1681	1583					3532		1770	3539	
Flt Permitted	0.95	0.95	1.00					1.00		0.95	1.00	
Satd. Flow (perm)	1681	1681	1583					3532		1770	3539	
Peak-hour factor, PHF	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
Adj. Flow (vph)	105	0	32	0	0	0	0	747	11	74	326	0
RTOR Reduction (vph)	0	0	29	0	0	0	0	1	0	0	0	0
Lane Group Flow (vph)	52	53	3	0	0	0	0	757	0	74	326	0
Turn Type	Perm		Perm							Prot		
Protected Phases		4						2		1	6	
Permitted Phases	4		4									
Actuated Green, G (s)	6.6	6.6	6.6					44.2		7.2	55.4	
Effective Green, g (s)	6.6	6.6	6.6					44.2		7.2	55.4	
Actuated g/C Ratio	0.09	0.09	0.09					0.63		0.10	0.79	
Clearance Time (s)	4.0	4.0	4.0					4.0		4.0	4.0	
Vehicle Extension (s)	3.0	3.0	3.0					3.0		3.0	3.0	
Lane Grp Cap (vph)	158	158	149					2230		182	2801	
v/s Ratio Prot								c0.21		c0.04	0.09	
v/s Ratio Perm	0.03	0.03	0.00									
v/c Ratio	0.33	0.34	0.02					0.34		0.41	0.12	
Uniform Delay, d1	29.6	29.6	28.8					6.1		29.4	1.7	
Progression Factor	0.84	0.84	0.68					1.00		0.77	0.29	
Incremental Delay, d2	1.2	1.2	0.1					0.4		1.5	0.1	
Delay (s)	26.0	26.1	19.6					6.5		24.0	0.6	
Level of Service	C	C	B					A		C	A	
Approach Delay (s)		24.5			0.0			6.5			4.9	
Approach LOS		C			A			A			A	

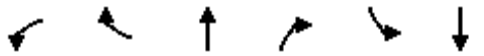
Intersection Summary			
HCM Average Control Delay	7.9	HCM Level of Service	A
HCM Volume to Capacity ratio	0.35		
Actuated Cycle Length (s)	70.0	Sum of lost time (s)	12.0
Intersection Capacity Utilization	37.2%	ICU Level of Service	A
Analysis Period (min)	15		
c Critical Lane Group			



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Volume (vph)	70	10	80	110	210	30	820	1740	30	30	1230	530
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Total Lost time (s)	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lane Util. Factor	0.97	1.00	1.00	1.00	1.00	1.00	0.97	0.91	1.00	1.00	0.91	1.00
Frt	1.00	1.00	0.85	1.00	1.00	0.85	1.00	1.00	0.85	1.00	1.00	0.85
Flt Protected	0.95	1.00	1.00	0.95	1.00	1.00	0.95	1.00	1.00	0.95	1.00	1.00
Satd. Flow (prot)	3433	1863	1583	1770	1863	1583	3433	5085	1583	1770	5085	1583
Flt Permitted	0.95	1.00	1.00	0.95	1.00	1.00	0.95	1.00	1.00	0.95	1.00	1.00
Satd. Flow (perm)	3433	1863	1583	1770	1863	1583	3433	5085	1583	1770	5085	1583
Peak-hour factor, PHF	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
Adj. Flow (vph)	74	11	84	116	221	32	863	1832	32	32	1295	558
RTOR Reduction (vph)	0	0	0	0	0	26	0	0	12	0	0	0
Lane Group Flow (vph)	74	11	84	116	221	6	863	1832	20	32	1295	558
Turn Type	Prot		Free	Prot		Perm	Prot		Perm	Prot		Free
Protected Phases	7	4		3	8		5	2		1	6	
Permitted Phases			Free			8			2			Free
Actuated Green, G (s)	4.6	3.9	100.6	19.6	18.9	18.9	29.2	57.7	57.7	3.4	31.9	100.6
Effective Green, g (s)	4.6	3.9	100.6	19.6	18.9	18.9	29.2	57.7	57.7	3.4	31.9	100.6
Actuated g/C Ratio	0.05	0.04	1.00	0.19	0.19	0.19	0.29	0.57	0.57	0.03	0.32	1.00
Clearance Time (s)	4.0	4.0		4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	
Vehicle Extension (s)	3.0	3.0		3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	
Lane Grp Cap (vph)	157	72	1583	345	350	297	996	2917	908	60	1612	1583
v/s Ratio Prot	0.02	0.01		0.07	c0.12		c0.25	0.36		0.02	c0.25	
v/s Ratio Perm			0.05			0.00			0.01			c0.35
v/c Ratio	0.47	0.15	0.05	0.34	0.63	0.02	0.87	0.63	0.02	0.53	0.80	0.35
Uniform Delay, d1	46.8	46.8	0.0	34.9	37.6	33.3	33.9	14.3	9.3	47.8	31.5	0.0
Progression Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Incremental Delay, d2	2.2	1.0	0.1	0.6	3.7	0.0	8.0	0.4	0.0	8.8	3.0	0.6
Delay (s)	49.0	47.7	0.1	35.5	41.3	33.3	41.9	14.7	9.3	56.6	34.5	0.6
Level of Service	D	D	A	D	D	C	D	B	A	E	C	A
Approach Delay (s)		24.6			38.8			23.3			24.8	
Approach LOS		C			D			C			C	

Intersection Summary			
HCM Average Control Delay	25.0	HCM Level of Service	C
HCM Volume to Capacity ratio	0.74		
Actuated Cycle Length (s)	100.6	Sum of lost time (s)	12.0
Intersection Capacity Utilization	74.9%	ICU Level of Service	D
Analysis Period (min)	15		

c Critical Lane Group



Movement	WBL	WBR	NBT	NBR	SBL	SBT
Lane Configurations						
Volume (veh/h)	0	0	0	0	0	0
Sign Control	Stop		Free			Free
Grade	0%		0%			0%
Peak Hour Factor	0.95	0.95	0.95	0.95	0.95	0.95
Hourly flow rate (vph)	0	0	0	0	0	0
Pedestrians						
Lane Width (ft)						
Walking Speed (ft/s)						
Percent Blockage						
Right turn flare (veh)						
Median type			None			None
Median storage veh)						
Upstream signal (ft)						
pX, platoon unblocked						
vC, conflicting volume	0	0			0	
vC1, stage 1 conf vol						
vC2, stage 2 conf vol						
vCu, unblocked vol	0	0			0	
tC, single (s)	6.8	6.9			4.1	
tC, 2 stage (s)						
tF (s)	3.5	3.3			2.2	
p0 queue free %	100	100			100	
cM capacity (veh/h)	1023	1084			1622	

Direction, Lane #	WB 1	NB 1	NB 2	NB 3	SB 1	SB 2	SB 3	SB 4
Volume Total	0	0	0	0	0	0	0	0
Volume Left	0	0	0	0	0	0	0	0
Volume Right	0	0	0	0	0	0	0	0
cSH	1700	1700	1700	1700	1700	1700	1700	1700
Volume to Capacity	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Queue Length 95th (ft)	0	0	0	0	0	0	0	0
Control Delay (s)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lane LOS	A							
Approach Delay (s)	0.0	0.0			0.0			
Approach LOS	A							

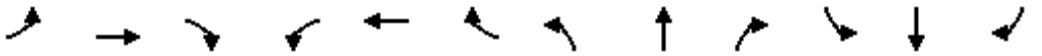
Intersection Summary			
Average Delay	0.0		
Intersection Capacity Utilization	0.0%	ICU Level of Service	A
Analysis Period (min)	15		



Movement	WBL	WBR	NBT	NBR	SBL	SBT
Lane Configurations						
Volume (veh/h)	10	40	640	10	20	460
Sign Control	Stop		Free			Free
Grade	0%		0%			0%
Peak Hour Factor	0.95	0.95	0.95	0.95	0.95	0.95
Hourly flow rate (vph)	11	42	674	11	21	484
Pedestrians						
Lane Width (ft)						
Walking Speed (ft/s)						
Percent Blockage						
Right turn flare (veh)						
Median type			None			None
Median storage veh)						
Upstream signal (ft)						1043
pX, platoon unblocked						
vC, conflicting volume	1200	674			684	
vC1, stage 1 conf vol						
vC2, stage 2 conf vol						
vCu, unblocked vol	1200	674			684	
tC, single (s)	6.4	6.2			4.1	
tC, 2 stage (s)						
tF (s)	3.5	3.3			2.2	
p0 queue free %	95	91			98	
cM capacity (veh/h)	197	450			895	

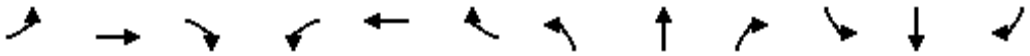
Direction, Lane #	WB 1	WB 2	NB 1	NB 2	SB 1	SB 2
Volume Total	11	42	674	11	21	484
Volume Left	11	0	0	0	21	0
Volume Right	0	42	0	11	0	0
cSH	197	450	1700	1700	895	1700
Volume to Capacity	0.05	0.09	0.40	0.01	0.02	0.28
Queue Length 95th (ft)	4	8	0	0	2	0
Control Delay (s)	24.3	13.8	0.0	0.0	9.1	0.0
Lane LOS	C	B			A	
Approach Delay (s)	15.9		0.0		0.4	
Approach LOS	C					

Intersection Summary			
Average Delay	0.8		
Intersection Capacity Utilization	43.7%	ICU Level of Service	A
Analysis Period (min)	15		



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Volume (vph)	10	10	10	100	10	130	10	310	300	120	270	10
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Total Lost time (s)	7.5	7.5	7.5	7.5	7.5		7.5	7.5	7.5	7.5	7.5	7.5
Lane Util. Factor	1.00	0.95	1.00	0.97	1.00		1.00	0.95	1.00	0.97	0.95	1.00
Frpb, ped/bikes	1.00	1.00	1.00	1.00	0.99		1.00	1.00	0.99	1.00	1.00	1.00
Flpb, ped/bikes	1.00	1.00	1.00	1.00	1.00		1.00	1.00	1.00	1.00	1.00	1.00
Frt	1.00	1.00	0.85	1.00	0.86		1.00	1.00	0.85	1.00	1.00	0.85
Flt Protected	0.95	1.00	1.00	0.95	1.00		0.95	1.00	1.00	0.95	1.00	1.00
Satd. Flow (prot)	1717	3438	1538	3335	1539		1719	3438	1519	3335	3438	1538
Flt Permitted	0.95	1.00	1.00	0.95	1.00		0.95	1.00	1.00	0.95	1.00	1.00
Satd. Flow (perm)	1717	3438	1538	3335	1539		1719	3438	1519	3335	3438	1538
Peak-hour factor, PHF	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
Adj. Flow (vph)	11	11	11	105	11	137	11	326	316	126	284	11
RTOR Reduction (vph)	0	0	10	0	110	0	0	0	241	0	0	7
Lane Group Flow (vph)	11	11	1	105	38	0	11	326	75	126	284	4
Confl. Peds. (#/hr)	2					2			1	1		
Heavy Vehicles (%)	5%	5%	5%	5%	5%	5%	5%	5%	5%	5%	5%	5%
Turn Type	Prot		Perm	Prot			Prot		Perm	Prot		Perm
Protected Phases	7	4		3	8		5	2		1	6	
Permitted Phases			4						2			6
Actuated Green, G (s)	0.7	4.3	4.3	11.0	14.6		0.7	17.7	17.7	11.1	28.1	28.1
Effective Green, g (s)	0.7	4.3	4.3	11.0	14.6		0.7	17.7	17.7	11.1	28.1	28.1
Actuated g/C Ratio	0.01	0.06	0.06	0.15	0.20		0.01	0.24	0.24	0.15	0.38	0.38
Clearance Time (s)	7.5	7.5	7.5	7.5	7.5		7.5	7.5	7.5	7.5	7.5	7.5
Vehicle Extension (s)	3.0	3.0	3.0	3.0	3.0		3.0	3.0	3.0	3.0	3.0	3.0
Lane Grp Cap (vph)	16	200	89	495	303		16	821	363	500	1304	583
v/s Ratio Prot	0.01	0.00		c0.03	c0.02		0.01	c0.09		c0.04	c0.08	
v/s Ratio Perm			0.00						0.05			0.00
v/c Ratio	0.69	0.06	0.01	0.21	0.13		0.69	0.40	0.21	0.25	0.22	0.01
Uniform Delay, d1	36.6	33.0	32.9	27.7	24.5		36.6	23.7	22.6	27.8	15.6	14.3
Progression Factor	1.00	1.00	1.00	1.00	1.00		1.00	1.00	1.00	1.00	1.00	1.00
Incremental Delay, d2	80.1	0.1	0.0	0.2	0.2		80.1	0.3	0.3	0.3	0.1	0.0
Delay (s)	116.7	33.1	32.9	28.0	24.7		116.7	24.0	22.9	28.1	15.6	14.3
Level of Service	F	C	C	C	C		F	C	C	C	B	B
Approach Delay (s)		60.9			26.0			25.0			19.3	
Approach LOS		E			C			C			B	

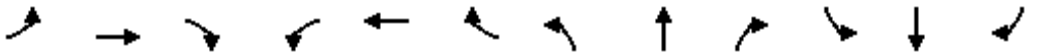
Intersection Summary			
HCM Average Control Delay	24.3	HCM Level of Service	C
HCM Volume to Capacity ratio	0.30		
Actuated Cycle Length (s)	74.1	Sum of lost time (s)	30.0
Intersection Capacity Utilization	54.5%	ICU Level of Service	A
Analysis Period (min)	15		
c Critical Lane Group			



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Volume (veh/h)	10	400	0	0	320	110	10	0	250	0	0	0
Sign Control		Free			Free			Stop			Stop	
Grade		0%			0%			0%			0%	
Peak Hour Factor	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
Hourly flow rate (vph)	11	421	0	0	337	116	11	0	263	0	0	0
Pedestrians												
Lane Width (ft)												
Walking Speed (ft/s)												
Percent Blockage												
Right turn flare (veh)									3			
Median type		None			None							
Median storage veh)												
Upstream signal (ft)					1190							
pX, platoon unblocked												
vC, conflicting volume	337			421			779	779	421	779	779	337
vC1, stage 1 conf vol												
vC2, stage 2 conf vol												
vCu, unblocked vol	337			421			779	779	421	779	779	337
tC, single (s)	4.1			4.1			7.1	6.5	6.2	7.1	6.5	6.2
tC, 2 stage (s)												
tF (s)	2.2			2.2			3.5	4.0	3.3	3.5	4.0	3.3
p0 queue free %	99			100			97	100	58	100	100	100
cM capacity (veh/h)	1206			1149			308	321	626	182	327	710

Direction, Lane #	EB 1	WB 1	WB 2	NB 1
Volume Total	432	337	116	274
Volume Left	11	0	0	11
Volume Right	0	0	116	263
cSH	1206	1700	1700	651
Volume to Capacity	0.01	0.20	0.07	0.42
Queue Length 95th (ft)	1	0	0	52
Control Delay (s)	0.3	0.0	0.0	14.9
Lane LOS	A			B
Approach Delay (s)	0.3	0.0		14.9
Approach LOS				B

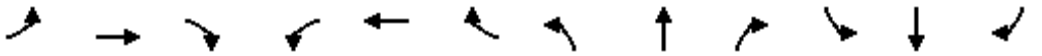
Intersection Summary			
Average Delay	3.6		
Intersection Capacity Utilization	43.8%	ICU Level of Service	A
Analysis Period (min)	15		



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Volume (veh/h)	0	190	150	300	30	0	0	0	0	220	0	70
Sign Control		Free			Free			Stop			Stop	
Grade		0%			0%			0%			0%	
Peak Hour Factor	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
Hourly flow rate (vph)	0	200	158	316	32	0	0	0	0	232	0	74
Pedestrians												
Lane Width (ft)												
Walking Speed (ft/s)												
Percent Blockage												
Right turn flare (veh)												2
Median type		None			None							
Median storage veh)												
Upstream signal (ft)												
pX, platoon unblocked												
vC, conflicting volume	32			358			942	942	279	942	1021	32
vC1, stage 1 conf vol												
vC2, stage 2 conf vol												
vCu, unblocked vol	32			358			942	942	279	942	1021	32
tC, single (s)	4.1			4.1			7.1	6.5	6.2	7.1	6.5	6.2
tC, 2 stage (s)												
tF (s)	2.2			2.2			3.5	4.0	3.3	3.5	4.0	3.3
p0 queue free %	100			73			100	100	100	0	100	93
cM capacity (veh/h)	1594			1184			181	194	765	191	171	1034

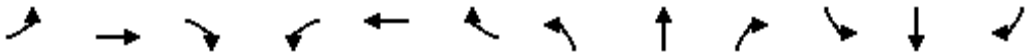
Direction, Lane #	EB 1	WB 1	SB 1
Volume Total	358	347	305
Volume Left	0	316	232
Volume Right	158	0	74
cSH	1700	1184	239
Volume to Capacity	0.21	0.27	1.28
Queue Length 95th (ft)	0	27	390
Control Delay (s)	0.0	8.5	193.7
Lane LOS		A	F
Approach Delay (s)	0.0	8.5	193.7
Approach LOS			F

Intersection Summary				
Average Delay	61.4			
Intersection Capacity Utilization	59.5%	ICU Level of Service	B	
Analysis Period (min)	15			



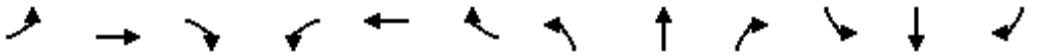
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Volume (vph)	10	10	10	350	50	10	10	60	490	10	50	10
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Total Lost time (s)	4.0	4.0	4.0	4.0	4.0		4.0	4.0	4.0	4.0	4.0	
Lane Util. Factor	1.00	1.00	1.00	0.97	0.95		0.97	1.00	1.00	1.00	1.00	
Frt	1.00	1.00	0.85	1.00	0.97		1.00	1.00	0.85	1.00	0.97	
Flt Protected	0.95	1.00	1.00	0.95	1.00		0.95	1.00	1.00	0.95	1.00	
Satd. Flow (prot)	1770	1863	1583	3433	3448		3433	1863	1583	1770	1815	
Flt Permitted	0.71	1.00	1.00	0.75	1.00		1.00	1.00	1.00	1.00	1.00	
Satd. Flow (perm)	1328	1863	1583	2712	3448		3614	1863	1583	1863	1815	
Peak-hour factor, PHF	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
Adj. Flow (vph)	11	11	11	368	53	11	11	63	516	11	53	11
RTOR Reduction (vph)	0	0	0	0	4	0	0	0	0	0	10	0
Lane Group Flow (vph)	11	11	11	368	60	0	11	63	516	11	54	0
Turn Type	Perm		Free	Perm			Perm		Free	Perm		
Protected Phases		4			8			2			6	
Permitted Phases	4		Free	8			2		Free	6		
Actuated Green, G (s)	16.9	16.9	27.7	16.9	16.9		2.8	2.8	27.7	2.8	2.8	
Effective Green, g (s)	16.9	16.9	27.7	16.9	16.9		2.8	2.8	27.7	2.8	2.8	
Actuated g/C Ratio	0.61	0.61	1.00	0.61	0.61		0.10	0.10	1.00	0.10	0.10	
Clearance Time (s)	4.0	4.0		4.0	4.0		4.0	4.0		4.0	4.0	
Vehicle Extension (s)	3.0	3.0		3.0	3.0		3.0	3.0		3.0	3.0	
Lane Grp Cap (vph)	810	1137	1583	1655	2104		365	188	1583	188	183	
v/s Ratio Prot		0.01			0.02			0.03			0.03	
v/s Ratio Perm	0.01		0.01	0.14			0.00		c0.33	0.01		
v/c Ratio	0.01	0.01	0.01	0.22	0.03		0.03	0.34	0.33	0.06	0.30	
Uniform Delay, d1	2.1	2.1	0.0	2.4	2.1		11.2	11.6	0.0	11.3	11.5	
Progression Factor	1.00	1.00	1.00	1.00	1.00		1.00	1.00	1.00	1.00	1.00	
Incremental Delay, d2	0.0	0.0	0.0	0.1	0.0		0.0	1.1	0.5	0.1	0.9	
Delay (s)	2.1	2.1	0.0	2.5	2.1		11.3	12.6	0.5	11.4	12.4	
Level of Service	A	A	A	A	A		B	B	A	B	B	
Approach Delay (s)		1.4			2.5			2.0			12.3	
Approach LOS		A			A			A			B	

Intersection Summary			
HCM Average Control Delay	2.9	HCM Level of Service	A
HCM Volume to Capacity ratio	0.33		
Actuated Cycle Length (s)	27.7	Sum of lost time (s)	0.0
Intersection Capacity Utilization	30.5%	ICU Level of Service	A
Analysis Period (min)	15		
c Critical Lane Group			



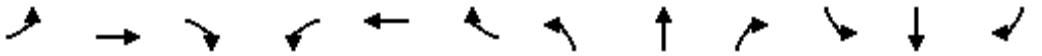
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Volume (vph)	20	340	140	10	90	30	160	670	30	20	460	70
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Total Lost time (s)	4.0	4.0		4.0	4.0		4.0	4.0		4.0	4.0	
Lane Util. Factor	1.00	1.00		1.00	1.00		1.00	0.95		1.00	0.95	
Frt	1.00	0.96		1.00	0.96		1.00	0.99		1.00	0.98	
Flt Protected	0.95	1.00		0.95	1.00		0.95	1.00		0.95	1.00	
Satd. Flow (prot)	1770	1781		1770	1792		1770	3516		1770	3469	
Flt Permitted	0.68	1.00		0.32	1.00		0.42	1.00		0.31	1.00	
Satd. Flow (perm)	1258	1781		590	1792		785	3516		577	3469	
Peak-hour factor, PHF	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
Adj. Flow (vph)	21	358	147	11	95	32	168	705	32	21	484	74
RTOR Reduction (vph)	0	26	0	0	19	0	0	6	0	0	21	0
Lane Group Flow (vph)	21	479	0	11	108	0	168	731	0	21	537	0
Turn Type	Perm			Perm			Perm			Perm		
Protected Phases		4			8			2			6	
Permitted Phases	4			8			2			6		
Actuated Green, G (s)	16.7	16.7		16.7	16.7		16.7	16.7		16.7	16.7	
Effective Green, g (s)	16.7	16.7		16.7	16.7		16.7	16.7		16.7	16.7	
Actuated g/C Ratio	0.40	0.40		0.40	0.40		0.40	0.40		0.40	0.40	
Clearance Time (s)	4.0	4.0		4.0	4.0		4.0	4.0		4.0	4.0	
Vehicle Extension (s)	3.0	3.0		3.0	3.0		3.0	3.0		3.0	3.0	
Lane Grp Cap (vph)	507	718		238	723		317	1418		233	1399	
v/s Ratio Prot		c0.27			0.06			0.21			0.15	
v/s Ratio Perm	0.02			0.02			c0.21			0.04		
v/c Ratio	0.04	0.67		0.05	0.15		0.53	0.52		0.09	0.38	
Uniform Delay, d1	7.5	10.1		7.5	7.8		9.4	9.3		7.6	8.7	
Progression Factor	1.00	1.00		1.00	1.00		1.00	1.00		1.00	1.00	
Incremental Delay, d2	0.0	2.4		0.1	0.1		1.6	0.3		0.2	0.2	
Delay (s)	7.5	12.4		7.6	7.9		11.0	9.6		7.8	8.9	
Level of Service	A	B		A	A		B	A		A	A	
Approach Delay (s)		12.2			7.9			9.9			8.9	
Approach LOS		B			A			A			A	

Intersection Summary			
HCM Average Control Delay	10.1	HCM Level of Service	B
HCM Volume to Capacity ratio	0.60		
Actuated Cycle Length (s)	41.4	Sum of lost time (s)	8.0
Intersection Capacity Utilization	60.2%	ICU Level of Service	B
Analysis Period (min)	15		
c Critical Lane Group			



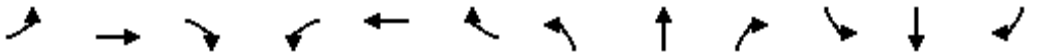
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Volume (vph)	120	380	10	10	350	180	10	70	10	120	290	60
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Total Lost time (s)	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0		4.0	4.0	4.0
Lane Util. Factor	0.94	0.95	1.00	1.00	0.95	1.00	1.00	1.00		1.00	1.00	1.00
Frt	1.00	1.00	0.85	1.00	1.00	0.85	1.00	0.98		1.00	1.00	0.85
Flt Protected	0.95	1.00	1.00	0.95	1.00	1.00	0.95	1.00		0.95	1.00	1.00
Satd. Flow (prot)	4990	3539	1583	1770	3539	1583	1770	1827		1770	1863	1583
Flt Permitted	0.53	1.00	1.00	0.52	1.00	1.00	0.57	1.00		0.70	1.00	1.00
Satd. Flow (perm)	2798	3539	1583	962	3539	1583	1070	1827		1307	1863	1583
Peak-hour factor, PHF	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
Adj. Flow (vph)	126	400	11	11	368	189	11	74	11	126	305	63
RTOR Reduction (vph)	0	0	7	0	0	123	0	7	0	0	0	0
Lane Group Flow (vph)	126	400	4	11	368	66	11	78	0	126	305	63
Turn Type	Perm		Perm	Perm		Perm	Perm			Perm		Free
Protected Phases		4			8			2			6	
Permitted Phases	4		4	8		8	2			6		Free
Actuated Green, G (s)	10.0	10.0	10.0	10.0	10.0	10.0	10.8	10.8		10.8	10.8	28.8
Effective Green, g (s)	10.0	10.0	10.0	10.0	10.0	10.0	10.8	10.8		10.8	10.8	28.8
Actuated g/C Ratio	0.35	0.35	0.35	0.35	0.35	0.35	0.38	0.38		0.38	0.38	1.00
Clearance Time (s)	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0		4.0	4.0	
Vehicle Extension (s)	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0		3.0	3.0	
Lane Grp Cap (vph)	972	1229	550	334	1229	550	401	685		490	699	1583
v/s Ratio Prot		c0.11			0.10			0.04			c0.16	
v/s Ratio Perm	0.05		0.00	0.01		0.04	0.01			0.10		0.04
v/c Ratio	0.13	0.33	0.01	0.03	0.30	0.12	0.03	0.11		0.26	0.44	0.04
Uniform Delay, d1	6.4	6.9	6.2	6.2	6.8	6.4	5.7	5.9		6.2	6.7	0.0
Progression Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00		1.00	1.00	1.00
Incremental Delay, d2	0.1	0.2	0.0	0.0	0.1	0.1	0.0	0.1		0.3	0.4	0.0
Delay (s)	6.5	7.1	6.2	6.2	7.0	6.5	5.7	6.0		6.5	7.2	0.0
Level of Service	A	A	A	A	A	A	A	A		A	A	A
Approach Delay (s)		6.9			6.8			5.9			6.1	
Approach LOS		A			A			A			A	

Intersection Summary			
HCM Average Control Delay	6.6	HCM Level of Service	A
HCM Volume to Capacity ratio	0.38		
Actuated Cycle Length (s)	28.8	Sum of lost time (s)	8.0
Intersection Capacity Utilization	39.1%	ICU Level of Service	A
Analysis Period (min)	15		
c Critical Lane Group			



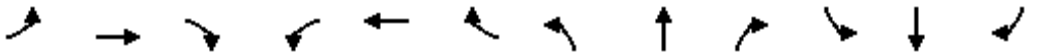
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Volume (vph)	10	130	10	10	140	10	10	70	10	10	290	10
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Total Lost time (s)	4.0	4.0		4.0	4.0	4.0	4.0	4.0		4.0	4.0	4.0
Lane Util. Factor	1.00	0.95		1.00	1.00	1.00	1.00	1.00		1.00	1.00	1.00
Frt	1.00	0.99		1.00	1.00	0.85	1.00	0.98		1.00	1.00	0.85
Flt Protected	0.95	1.00		0.95	1.00	1.00	0.95	1.00		0.95	1.00	1.00
Satd. Flow (prot)	1770	3500		1770	1863	1583	1770	1827		1770	1863	1583
Flt Permitted	0.66	1.00		0.66	1.00	1.00	0.57	1.00		0.70	1.00	1.00
Satd. Flow (perm)	1236	3500		1226	1863	1583	1070	1827		1307	1863	1583
Peak-hour factor, PHF	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
Adj. Flow (vph)	11	137	11	11	147	11	11	74	11	11	305	11
RTOR Reduction (vph)	0	7	0	0	0	7	0	7	0	0	0	7
Lane Group Flow (vph)	11	141	0	11	147	4	11	78	0	11	305	4
Turn Type	Perm			Perm		Perm	Perm			Perm		Perm
Protected Phases		4			8			2			6	
Permitted Phases	4			8		8	2			6		6
Actuated Green, G (s)	9.4	9.4		9.4	9.4	9.4	9.7	9.7		9.7	9.7	9.7
Effective Green, g (s)	9.4	9.4		9.4	9.4	9.4	9.7	9.7		9.7	9.7	9.7
Actuated g/C Ratio	0.35	0.35		0.35	0.35	0.35	0.36	0.36		0.36	0.36	0.36
Clearance Time (s)	4.0	4.0		4.0	4.0	4.0	4.0	4.0		4.0	4.0	4.0
Vehicle Extension (s)	3.0	3.0		3.0	3.0	3.0	3.0	3.0		3.0	3.0	3.0
Lane Grp Cap (vph)	429	1214		425	646	549	383	654		468	667	567
v/s Ratio Prot		0.04			c0.08			0.04			c0.16	
v/s Ratio Perm	0.01			0.01		0.00	0.01			0.01		0.00
v/c Ratio	0.03	0.12		0.03	0.23	0.01	0.03	0.12		0.02	0.46	0.01
Uniform Delay, d1	5.8	6.0		5.8	6.3	5.8	5.6	5.8		5.6	6.7	5.6
Progression Factor	1.00	1.00		1.00	1.00	1.00	1.00	1.00		1.00	1.00	1.00
Incremental Delay, d2	0.0	0.0		0.0	0.2	0.0	0.0	0.1		0.0	0.5	0.0
Delay (s)	5.9	6.1		5.9	6.5	5.8	5.7	5.9		5.7	7.2	5.6
Level of Service	A	A		A	A	A	A	A		A	A	A
Approach Delay (s)		6.1			6.4			5.9			7.1	
Approach LOS		A			A			A			A	

Intersection Summary			
HCM Average Control Delay	6.5	HCM Level of Service	A
HCM Volume to Capacity ratio	0.34		
Actuated Cycle Length (s)	27.1	Sum of lost time (s)	8.0
Intersection Capacity Utilization	30.2%	ICU Level of Service	A
Analysis Period (min)	15		
c Critical Lane Group			



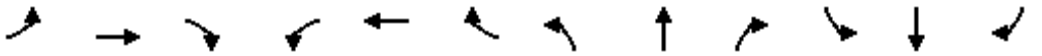
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Volume (vph)	0	0	0	2240	10	260	0	1690	600	0	1290	130
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Total Lost time (s)				4.0	4.0	4.0		4.0	4.0		4.0	4.0
Lane Util. Factor				0.91	0.91	1.00		0.95	0.88		0.91	1.00
Frt				1.00	1.00	0.85		1.00	0.85		1.00	0.85
Flt Protected				0.95	0.95	1.00		1.00	1.00		1.00	1.00
Satd. Flow (prot)				3221	1615	1583		3539	2787		5085	1583
Flt Permitted				0.95	0.95	1.00		1.00	1.00		1.00	1.00
Satd. Flow (perm)				3221	1615	1583		3539	2787		5085	1583
Peak-hour factor, PHF	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
Adj. Flow (vph)	0	0	0	2358	11	274	0	1779	632	0	1358	137
RTOR Reduction (vph)	0	0	0	0	0	0	0	0	0	0	0	71
Lane Group Flow (vph)	0	0	0	1580	789	274	0	1779	632	0	1358	66
Turn Type				Split		Free			pm+ov			Perm
Protected Phases				8	8			2	8		6	
Permitted Phases						Free			2			6
Actuated Green, G (s)				70.0	70.0	150.0		72.0	142.0		72.0	72.0
Effective Green, g (s)				70.0	70.0	150.0		72.0	142.0		72.0	72.0
Actuated g/C Ratio				0.47	0.47	1.00		0.48	0.95		0.48	0.48
Clearance Time (s)				4.0	4.0			4.0	4.0		4.0	4.0
Vehicle Extension (s)				3.0	3.0			3.0	3.0		3.0	3.0
Lane Grp Cap (vph)				1503	754	1583		1699	2787		2441	760
v/s Ratio Prot				c0.49	0.49			c0.50	0.11		0.27	
v/s Ratio Perm						0.17			0.12			0.04
v/c Ratio				1.05	1.05	0.17		1.05	0.23		0.56	0.09
Uniform Delay, d1				40.0	40.0	0.0		39.0	0.3		27.7	21.2
Progression Factor				1.00	1.00	1.00		0.62	1.00		1.00	1.00
Incremental Delay, d2				38.0	45.6	0.2		33.9	0.0		0.9	0.2
Delay (s)				78.0	85.6	0.2		58.2	0.3		28.6	21.4
Level of Service				E	F	A		E	A		C	C
Approach Delay (s)		0.0			72.2			43.1			27.9	
Approach LOS		A			E			D			C	

Intersection Summary			
HCM Average Control Delay	51.4	HCM Level of Service	D
HCM Volume to Capacity ratio	1.05		
Actuated Cycle Length (s)	150.0	Sum of lost time (s)	8.0
Intersection Capacity Utilization	96.0%	ICU Level of Service	F
Analysis Period (min)	15		
c Critical Lane Group			



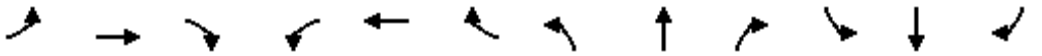
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Volume (vph)	100	0	1060	0	0	0	0	2200	1880	0	3070	460
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Total Lost time (s)		4.0	4.0					4.0	4.0		4.0	4.0
Lane Util. Factor		1.00	1.00					0.91	0.88		0.91	1.00
Frt		1.00	0.85					1.00	0.85		1.00	0.85
Flt Protected		0.95	1.00					1.00	1.00		1.00	1.00
Satd. Flow (prot)		1770	1583					5085	2787		5085	1583
Flt Permitted		0.95	1.00					1.00	1.00		1.00	1.00
Satd. Flow (perm)		1770	1583					5085	2787		5085	1583
Peak-hour factor, PHF	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
Adj. Flow (vph)	105	0	1116	0	0	0	0	2316	1979	0	3232	484
RTOR Reduction (vph)	0	0	0	0	0	0	0	0	285	0	0	54
Lane Group Flow (vph)	0	105	1116	0	0	0	0	2316	1694	0	3232	430
Turn Type	Split		Free						Perm			Perm
Protected Phases	4	4						2			6	
Permitted Phases			Free						2			6
Actuated Green, G (s)		14.3	150.0					127.7	127.7		127.7	127.7
Effective Green, g (s)		14.3	150.0					127.7	127.7		127.7	127.7
Actuated g/C Ratio		0.10	1.00					0.85	0.85		0.85	0.85
Clearance Time (s)		4.0						4.0	4.0		4.0	4.0
Vehicle Extension (s)		3.0						3.0	3.0		3.0	3.0
Lane Grp Cap (vph)		169	1583					4329	2373		4329	1348
v/s Ratio Prot		0.06						0.46			c0.64	
v/s Ratio Perm			c0.70						0.61			0.27
v/c Ratio		0.62	0.70					0.53	0.71		0.75	0.32
Uniform Delay, d1		65.2	0.0					3.0	4.2		4.5	2.3
Progression Factor		1.00	1.00					0.18	17.17		0.16	0.00
Incremental Delay, d2		6.9	2.7					0.2	0.9		0.6	0.3
Delay (s)		72.2	2.7					0.8	73.4		1.3	0.3
Level of Service		E	A					A	E		A	A
Approach Delay (s)		8.6			0.0			34.3			1.2	
Approach LOS		A			A			C			A	

Intersection Summary			
HCM Average Control Delay	17.6	HCM Level of Service	B
HCM Volume to Capacity ratio	0.74		
Actuated Cycle Length (s)	150.0	Sum of lost time (s)	4.0
Intersection Capacity Utilization	78.0%	ICU Level of Service	D
Analysis Period (min)	15		
c Critical Lane Group			



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Volume (vph)	1560	170	280	10	150	820	270	1700	10	630	2300	1200
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Total Lost time (s)	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lane Util. Factor	0.94	1.00	1.00	1.00	1.00	1.00	0.97	0.86	1.00	0.97	0.91	0.88
Frt	1.00	1.00	0.85	1.00	1.00	0.85	1.00	1.00	0.85	1.00	1.00	0.85
Flt Protected	0.95	1.00	1.00	0.95	1.00	1.00	0.95	1.00	1.00	0.95	1.00	1.00
Satd. Flow (prot)	4990	1863	1583	1770	1863	1583	3433	6408	1583	3433	5085	2787
Flt Permitted	0.95	1.00	1.00	0.95	1.00	1.00	0.95	1.00	1.00	0.95	1.00	1.00
Satd. Flow (perm)	4990	1863	1583	1770	1863	1583	3433	6408	1583	3433	5085	2787
Peak-hour factor, PHF	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
Adj. Flow (vph)	1642	179	295	11	158	863	284	1789	11	663	2421	1263
RTOR Reduction (vph)	0	0	0	0	0	0	0	0	5	0	0	0
Lane Group Flow (vph)	1642	179	295	11	158	863	284	1789	6	663	2421	1263
Turn Type	Split		Free	Split		Free	Prot		pm+ov	Prot		Free
Protected Phases	4	4		8	8		5	2	8	1	6	
Permitted Phases			Free			Free			2			Free
Actuated Green, G (s)	40.0	40.0	150.0	18.1	18.1	150.0	7.0	61.9	80.0	14.0	68.9	150.0
Effective Green, g (s)	40.0	40.0	150.0	18.1	18.1	150.0	7.0	61.9	80.0	14.0	68.9	150.0
Actuated g/C Ratio	0.27	0.27	1.00	0.12	0.12	1.00	0.05	0.41	0.53	0.09	0.46	1.00
Clearance Time (s)	4.0	4.0		4.0	4.0		4.0	4.0	4.0	4.0	4.0	
Vehicle Extension (s)	3.0	3.0		3.0	3.0		3.0	3.0	3.0	3.0	3.0	
Lane Grp Cap (vph)	1331	497	1583	214	225	1583	160	2644	844	320	2336	2787
v/s Ratio Prot	c0.33	0.10		0.01	c0.08		0.08	0.28	0.00	c0.19	c0.48	
v/s Ratio Perm			0.19			0.55			0.00			0.45
v/c Ratio	1.23	0.36	0.19	0.05	0.70	0.55	1.77	0.68	0.01	2.07	1.04	0.45
Uniform Delay, d1	55.0	44.6	0.0	58.4	63.4	0.0	71.5	35.9	16.4	68.0	40.5	0.0
Progression Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.84	1.17	1.00
Incremental Delay, d2	111.9	0.4	0.3	0.1	9.5	1.4	372.9	1.4	0.0	489.4	25.6	0.4
Delay (s)	166.9	45.1	0.3	58.5	72.9	1.4	444.4	37.3	16.4	546.8	72.9	0.4
Level of Service	F	D	A	E	E	A	F	D	B	F	E	A
Approach Delay (s)		133.3			12.9			92.7			124.1	
Approach LOS		F			B			F			F	

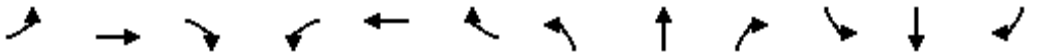
Intersection Summary			
HCM Average Control Delay	107.3	HCM Level of Service	F
HCM Volume to Capacity ratio	1.14		
Actuated Cycle Length (s)	150.0	Sum of lost time (s)	12.0
Intersection Capacity Utilization	103.0%	ICU Level of Service	G
Analysis Period (min)	15		
c Critical Lane Group			



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Volume (vph)	120	1230	1120	560	1050	180	890	530	810	470	510	60
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Total Lost time (s)	5.5	6.1	4.0	5.5	6.1	6.1	5.5	6.1	4.0	5.5	6.1	6.1
Lane Util. Factor	1.00	0.91	1.00	0.97	0.91	1.00	0.97	0.95	1.00	0.97	0.95	1.00
Frpb, ped/bikes	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.98	1.00	1.00	1.00
Flpb, ped/bikes	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Frt	1.00	1.00	0.85	1.00	1.00	0.85	1.00	1.00	0.85	1.00	1.00	0.85
Flt Protected	0.95	1.00	1.00	0.95	1.00	1.00	0.95	1.00	1.00	0.95	1.00	1.00
Satd. Flow (prot)	1770	5085	1583	3433	5085	1583	3433	3539	1558	3433	3539	1583
Flt Permitted	0.95	1.00	1.00	0.95	1.00	1.00	0.95	1.00	1.00	0.95	1.00	1.00
Satd. Flow (perm)	1770	5085	1583	3433	5085	1583	3433	3539	1558	3433	3539	1583
Peak-hour factor, PHF	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
Adj. Flow (vph)	126	1295	1179	589	1105	189	937	558	853	495	537	63
RTOR Reduction (vph)	0	0	0	0	0	139	0	0	0	0	0	29
Lane Group Flow (vph)	126	1295	1179	589	1105	50	937	558	853	495	537	34
Confl. Peds. (#/hr)									14	14		
Turn Type	Prot		Free	Prot		Perm	Prot		Free	Prot		Perm
Protected Phases	5	2		1	6		7	4		3	8	
Permitted Phases			Free			6			Free			8
Actuated Green, G (s)	18.8	34.8	137.3	20.5	36.5	36.5	32.6	27.1	137.3	31.7	26.2	26.2
Effective Green, g (s)	18.8	34.8	137.3	20.5	36.5	36.5	32.6	27.1	137.3	31.7	26.2	26.2
Actuated g/C Ratio	0.14	0.25	1.00	0.15	0.27	0.27	0.24	0.20	1.00	0.23	0.19	0.19
Clearance Time (s)	5.5	6.1		5.5	6.1	6.1	5.5	6.1		5.5	6.1	6.1
Vehicle Extension (s)	3.0	3.0		3.0	3.0	3.0	3.0	3.0		3.0	3.0	3.0
Lane Grp Cap (vph)	242	1289	1583	513	1352	421	815	699	1558	793	675	302
v/s Ratio Prot	0.07	c0.25		c0.17	0.22		c0.27	0.16		0.14	0.15	
v/s Ratio Perm			c0.74			0.03			0.55			0.02
v/c Ratio	0.52	1.00	0.74	1.15	0.82	0.12	1.15	0.80	0.55	0.62	0.80	0.11
Uniform Delay, d1	55.1	51.3	0.0	58.4	47.3	38.2	52.4	52.5	0.0	47.4	53.0	45.9
Progression Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Incremental Delay, d2	2.0	26.2	3.2	87.4	4.0	0.1	81.4	6.3	1.4	1.5	6.5	0.2
Delay (s)	57.1	77.4	3.2	145.8	51.2	38.3	133.7	58.8	1.4	49.0	59.5	46.1
Level of Service	E	E	A	F	D	D	F	E	A	D	E	D
Approach Delay (s)		42.8			79.5			67.9			54.0	
Approach LOS		D			E			E			D	

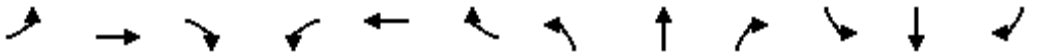
Intersection Summary			
HCM Average Control Delay	60.5	HCM Level of Service	E
HCM Volume to Capacity ratio	0.93		
Actuated Cycle Length (s)	137.3	Sum of lost time (s)	6.1
Intersection Capacity Utilization	98.6%	ICU Level of Service	F
Analysis Period (min)	15		

c Critical Lane Group



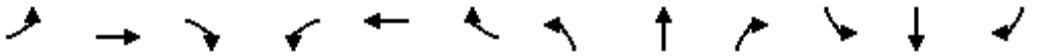
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Volume (vph)	10	180	10	150	130	200	20	2280	110	230	2650	10
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Total Lost time (s)	4.0	4.0		4.0	4.0		4.0	4.0	4.0	4.0	4.0	4.0
Lane Util. Factor	1.00	0.95		1.00	0.95		1.00	0.91	1.00	1.00	0.91	1.00
Frt	1.00	0.99		1.00	0.91		1.00	1.00	0.85	1.00	1.00	0.85
Flt Protected	0.95	1.00		0.95	1.00		0.95	1.00	1.00	0.95	1.00	1.00
Satd. Flow (prot)	1770	3510		1770	3217		1770	5085	1583	1770	5085	1583
Flt Permitted	0.95	1.00		0.95	1.00		0.95	1.00	1.00	0.95	1.00	1.00
Satd. Flow (perm)	1770	3510		1770	3217		1770	5085	1583	1770	5085	1583
Peak-hour factor, PHF	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
Adj. Flow (vph)	11	189	11	158	137	211	21	2400	116	242	2789	11
RTOR Reduction (vph)	0	4	0	0	172	0	0	0	37	0	0	3
Lane Group Flow (vph)	11	196	0	158	176	0	21	2400	79	242	2789	8
Turn Type	Prot			Prot			Prot		pm+ov	Prot		pm+ov
Protected Phases	7	4		3	8		5	2	3	1	6	7
Permitted Phases									2			6
Actuated Green, G (s)	2.4	13.2		8.0	18.8		2.4	51.5	59.5	13.0	62.1	64.5
Effective Green, g (s)	2.4	13.2		8.0	18.8		2.4	51.5	59.5	13.0	62.1	64.5
Actuated g/C Ratio	0.02	0.13		0.08	0.18		0.02	0.51	0.59	0.13	0.61	0.63
Clearance Time (s)	4.0	4.0		4.0	4.0		4.0	4.0	4.0	4.0	4.0	4.0
Vehicle Extension (s)	3.0	3.0		3.0	3.0		3.0	3.0	3.0	3.0	3.0	3.0
Lane Grp Cap (vph)	42	456		139	595		42	2575	988	226	3105	1066
v/s Ratio Prot	0.01	c0.06		c0.09	0.05		0.01	0.47	0.01	c0.14	c0.55	0.00
v/s Ratio Perm									0.04			0.00
v/c Ratio	0.26	0.43		1.14	0.30		0.50	0.93	0.08	1.07	0.90	0.01
Uniform Delay, d1	48.8	40.8		46.9	35.7		49.1	23.5	9.2	44.4	17.1	6.8
Progression Factor	1.00	1.00		1.00	1.00		1.00	1.00	1.00	1.00	1.00	1.00
Incremental Delay, d2	3.3	0.7		117.8	0.3		9.1	6.9	0.0	79.9	3.9	0.0
Delay (s)	52.1	41.4		164.6	36.0		58.1	30.4	9.2	124.2	21.0	6.8
Level of Service	D	D		F	D		E	C	A	F	C	A
Approach Delay (s)		42.0			76.2			29.7			29.1	
Approach LOS		D			E			C			C	

Intersection Summary			
HCM Average Control Delay	33.6	HCM Level of Service	C
HCM Volume to Capacity ratio	0.86		
Actuated Cycle Length (s)	101.7	Sum of lost time (s)	12.0
Intersection Capacity Utilization	83.7%	ICU Level of Service	E
Analysis Period (min)	15		
c Critical Lane Group			



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Volume (vph)	90	10	600	10	10	10	200	2320	10	10	2720	40
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Total Lost time (s)		4.0	4.0		4.0		4.0	4.0	4.0	4.0	4.0	4.0
Lane Util. Factor		1.00	1.00		1.00		1.00	0.91	1.00	1.00	0.91	1.00
Frt		1.00	0.85		0.95		1.00	1.00	0.85	1.00	1.00	0.85
Flt Protected		0.96	1.00		0.98		0.95	1.00	1.00	0.95	1.00	1.00
Satd. Flow (prot)		1783	1583		1750		1770	5085	1583	1770	5085	1583
Flt Permitted		0.79	1.00		0.90		0.95	1.00	1.00	0.95	1.00	1.00
Satd. Flow (perm)		1478	1583		1603		1770	5085	1583	1770	5085	1583
Peak-hour factor, PHF	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
Adj. Flow (vph)	95	11	632	11	11	11	211	2442	11	11	2863	42
RTOR Reduction (vph)	0	0	0	0	10	0	0	0	2	0	0	9
Lane Group Flow (vph)	0	106	632	0	23	0	211	2442	9	11	2863	33
Turn Type	Perm		Free	Perm			Prot		Perm	Prot		Perm
Protected Phases		4			8		5	2		1	6	
Permitted Phases	4		Free	8					2			6
Actuated Green, G (s)		13.4	109.1		13.4		16.8	82.6	82.6	1.1	66.9	66.9
Effective Green, g (s)		13.4	109.1		13.4		16.8	82.6	82.6	1.1	66.9	66.9
Actuated g/C Ratio		0.12	1.00		0.12		0.15	0.76	0.76	0.01	0.61	0.61
Clearance Time (s)		4.0			4.0		4.0	4.0	4.0	4.0	4.0	4.0
Vehicle Extension (s)		3.0			3.0		3.0	3.0	3.0	3.0	3.0	3.0
Lane Grp Cap (vph)		182	1583		197		273	3850	1198	18	3118	971
v/s Ratio Prot							c0.12	0.48		0.01	c0.56	
v/s Ratio Perm		c0.07	c0.40		0.01				0.01			0.02
v/c Ratio		0.58	0.40		0.12		0.77	0.63	0.01	0.61	0.92	0.03
Uniform Delay, d1		45.2	0.0		42.6		44.3	6.2	3.2	53.8	18.7	8.3
Progression Factor		1.00	1.00		1.00		1.00	1.00	1.00	1.00	1.00	1.00
Incremental Delay, d2		4.7	0.8		0.3		12.7	0.3	0.0	48.7	4.9	0.0
Delay (s)		49.9	0.8		42.9		57.0	6.5	3.2	102.5	23.6	8.3
Level of Service		D	A		D		E	A	A	F	C	A
Approach Delay (s)		7.8			42.9			10.5			23.7	
Approach LOS		A			D			B			C	

Intersection Summary			
HCM Average Control Delay	16.4	HCM Level of Service	B
HCM Volume to Capacity ratio	0.81		
Actuated Cycle Length (s)	109.1	Sum of lost time (s)	8.0
Intersection Capacity Utilization	85.8%	ICU Level of Service	E
Analysis Period (min)	15		
c Critical Lane Group			



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Volume (vph)	10	230	10	40	140	220	10	2400	50	430	2730	10
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Total Lost time (s)	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lane Util. Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.91	1.00	1.00	0.91	1.00
Frt	1.00	1.00	0.85	1.00	1.00	0.85	1.00	1.00	0.85	1.00	1.00	0.85
Flt Protected	0.95	1.00	1.00	0.95	1.00	1.00	0.95	1.00	1.00	0.95	1.00	1.00
Satd. Flow (prot)	1770	1863	1583	1770	1863	1583	1770	5085	1583	1770	5085	1583
Flt Permitted	0.50	1.00	1.00	0.26	1.00	1.00	0.95	1.00	1.00	0.95	1.00	1.00
Satd. Flow (perm)	940	1863	1583	492	1863	1583	1770	5085	1583	1770	5085	1583
Peak-hour factor, PHF	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
Adj. Flow (vph)	11	242	11	42	147	232	11	2526	53	453	2874	11
RTOR Reduction (vph)	0	0	9	0	0	193	0	0	15	0	0	2
Lane Group Flow (vph)	11	242	2	42	147	39	11	2526	38	453	2874	9
Turn Type	Perm		Perm	Perm		Perm	Prot		Perm	Prot		Perm
Protected Phases		4			8		5	2		1	6	
Permitted Phases	4		4	8		8			2			6
Actuated Green, G (s)	20.2	20.2	20.2	20.2	20.2	20.2	1.1	60.3	60.3	27.1	86.3	86.3
Effective Green, g (s)	20.2	20.2	20.2	20.2	20.2	20.2	1.1	60.3	60.3	27.1	86.3	86.3
Actuated g/C Ratio	0.17	0.17	0.17	0.17	0.17	0.17	0.01	0.50	0.50	0.23	0.72	0.72
Clearance Time (s)	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Vehicle Extension (s)	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
Lane Grp Cap (vph)	159	315	267	83	315	267	16	2564	798	401	3669	1142
v/s Ratio Prot		c0.13			0.08		0.01	c0.50		c0.26	0.57	
v/s Ratio Perm	0.01		0.00	0.09		0.02			0.02			0.01
v/c Ratio	0.07	0.77	0.01	0.51	0.47	0.15	0.69	0.99	0.05	1.13	0.78	0.01
Uniform Delay, d1	41.8	47.5	41.4	45.2	44.8	42.4	59.1	29.2	15.1	46.2	10.7	4.7
Progression Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Incremental Delay, d2	0.2	10.7	0.0	4.8	1.1	0.3	80.1	14.3	0.0	85.2	1.1	0.0
Delay (s)	42.0	58.2	41.4	50.0	45.9	42.6	139.2	43.5	15.1	131.4	11.8	4.7
Level of Service	D	E	D	D	D	D	F	D	B	F	B	A
Approach Delay (s)		56.8			44.5			43.4			28.0	
Approach LOS		E			D			D			C	

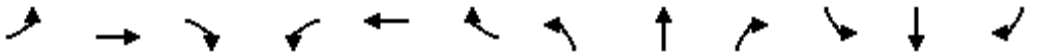
Intersection Summary			
HCM Average Control Delay	36.2	HCM Level of Service	D
HCM Volume to Capacity ratio	0.98		
Actuated Cycle Length (s)	119.6	Sum of lost time (s)	12.0
Intersection Capacity Utilization	99.0%	ICU Level of Service	F
Analysis Period (min)	15		

c Critical Lane Group



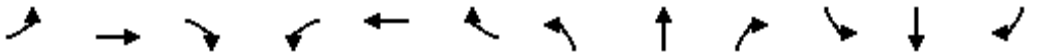
Movement	WBL	WBR	NBT	NBR	SBL	SBT
Lane Configurations						
Volume (vph)	460	440	1850	510	650	2170
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900
Total Lost time (s)	4.0	4.0	4.0	4.0	4.0	4.0
Lane Util. Factor	1.00	1.00	0.91	1.00	0.94	0.91
Frt	1.00	0.85	1.00	0.85	1.00	1.00
Flt Protected	0.95	1.00	1.00	1.00	0.95	1.00
Satd. Flow (prot)	1770	1583	5085	1583	4990	5085
Flt Permitted	0.95	1.00	1.00	1.00	0.95	1.00
Satd. Flow (perm)	1770	1583	5085	1583	4990	5085
Peak-hour factor, PHF	0.95	0.95	0.95	0.95	0.95	0.95
Adj. Flow (vph)	484	463	1947	537	684	2284
RTOR Reduction (vph)	0	314	0	244	0	0
Lane Group Flow (vph)	484	149	1947	293	684	2284
Turn Type		Over		Perm	Prot	
Protected Phases	8	1	2		1	6
Permitted Phases				2		
Actuated Green, G (s)	34.7	18.7	50.4	50.4	18.7	73.1
Effective Green, g (s)	34.7	18.7	50.4	50.4	18.7	73.1
Actuated g/C Ratio	0.30	0.16	0.44	0.44	0.16	0.63
Clearance Time (s)	4.0	4.0	4.0	4.0	4.0	4.0
Vehicle Extension (s)	3.0	3.0	3.0	3.0	3.0	3.0
Lane Grp Cap (vph)	530	256	2213	689	806	3210
v/s Ratio Prot	c0.27	0.09	c0.38		c0.14	0.45
v/s Ratio Perm				0.19		
v/c Ratio	0.91	0.58	0.88	0.43	0.85	0.71
Uniform Delay, d1	39.1	44.9	29.9	22.7	47.2	14.3
Progression Factor	1.00	1.00	1.00	1.00	1.00	1.00
Incremental Delay, d2	20.2	3.3	4.4	0.4	8.3	0.8
Delay (s)	59.3	48.2	34.3	23.1	55.5	15.1
Level of Service	E	D	C	C	E	B
Approach Delay (s)	53.9		31.9			24.4
Approach LOS	D		C			C

Intersection Summary			
HCM Average Control Delay	31.6	HCM Level of Service	C
HCM Volume to Capacity ratio	0.89		
Actuated Cycle Length (s)	115.8	Sum of lost time (s)	12.0
Intersection Capacity Utilization	83.6%	ICU Level of Service	E
Analysis Period (min)	15		
c Critical Lane Group			



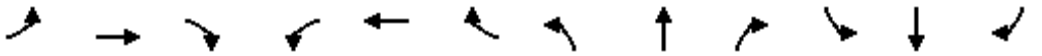
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Volume (vph)	0	0	0	10	0	100	50	1110	0	0	1210	270
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Total Lost time (s)					4.0	4.0	4.0	4.0			4.0	4.0
Lane Util. Factor					1.00	1.00	1.00	0.95			0.95	1.00
Frt					1.00	0.85	1.00	1.00			1.00	0.85
Flt Protected					0.95	1.00	0.95	1.00			1.00	1.00
Satd. Flow (prot)					1770	1583	1770	3539			3539	1583
Flt Permitted					0.95	1.00	0.95	1.00			1.00	1.00
Satd. Flow (perm)					1770	1583	1770	3539			3539	1583
Peak-hour factor, PHF	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
Adj. Flow (vph)	0	0	0	11	0	105	53	1168	0	0	1274	284
RTOR Reduction (vph)	0	0	0	0	0	75	0	0	0	0	0	84
Lane Group Flow (vph)	0	0	0	0	11	30	53	1168	0	0	1274	200
Turn Type				Split		Perm	Prot					Perm
Protected Phases				8	8		5	2			6	
Permitted Phases						8						6
Actuated Green, G (s)					6.4	6.4	5.4	65.6			56.2	56.2
Effective Green, g (s)					6.4	6.4	5.4	65.6			56.2	56.2
Actuated g/C Ratio					0.08	0.08	0.07	0.82			0.70	0.70
Clearance Time (s)					4.0	4.0	4.0	4.0			4.0	4.0
Vehicle Extension (s)					3.0	3.0	3.0	3.0			3.0	3.0
Lane Grp Cap (vph)					142	127	119	2902			2486	1112
v/s Ratio Prot					0.01		0.03	c0.33			c0.36	
v/s Ratio Perm						c0.02						0.13
v/c Ratio					0.08	0.23	0.45	0.40			0.51	0.18
Uniform Delay, d1					34.1	34.5	35.9	1.9			5.5	4.1
Progression Factor					1.00	1.00	1.22	0.88			1.00	1.00
Incremental Delay, d2					0.2	0.9	2.4	0.4			0.8	0.4
Delay (s)					34.3	35.4	46.0	2.1			6.3	4.4
Level of Service					C	D	D	A			A	A
Approach Delay (s)		0.0			35.3			4.0			5.9	
Approach LOS		A			D			A			A	

Intersection Summary			
HCM Average Control Delay	6.3	HCM Level of Service	A
HCM Volume to Capacity ratio	0.49		
Actuated Cycle Length (s)	80.0	Sum of lost time (s)	12.0
Intersection Capacity Utilization	56.0%	ICU Level of Service	B
Analysis Period (min)	15		
c Critical Lane Group			



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Volume (vph)	380	0	90	0	0	0	0	780	20	240	970	0
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Total Lost time (s)	4.0	4.0	4.0					4.0		4.0	4.0	
Lane Util. Factor	0.95	0.95	1.00					0.95		1.00	0.95	
Frt	1.00	1.00	0.85					1.00		1.00	1.00	
Flt Protected	0.95	0.95	1.00					1.00		0.95	1.00	
Satd. Flow (prot)	1681	1681	1583					3526		1770	3539	
Flt Permitted	0.95	0.95	1.00					1.00		0.95	1.00	
Satd. Flow (perm)	1681	1681	1583					3526		1770	3539	
Peak-hour factor, PHF	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
Adj. Flow (vph)	400	0	95	0	0	0	0	821	21	253	1021	0
RTOR Reduction (vph)	0	0	77	0	0	0	0	2	0	0	0	0
Lane Group Flow (vph)	200	200	18	0	0	0	0	840	0	253	1021	0
Turn Type	Perm		Perm							Prot		
Protected Phases		4						2		1	6	
Permitted Phases	4		4									
Actuated Green, G (s)	15.1	15.1	15.1					36.7		16.2	56.9	
Effective Green, g (s)	15.1	15.1	15.1					36.7		16.2	56.9	
Actuated g/C Ratio	0.19	0.19	0.19					0.46		0.20	0.71	
Clearance Time (s)	4.0	4.0	4.0					4.0		4.0	4.0	
Vehicle Extension (s)	3.0	3.0	3.0					3.0		3.0	3.0	
Lane Grp Cap (vph)	317	317	299					1618		358	2517	
v/s Ratio Prot								c0.24		c0.14	0.29	
v/s Ratio Perm	c0.12	0.12	0.01									
v/c Ratio	0.63	0.63	0.06					0.52		0.71	0.41	
Uniform Delay, d1	29.9	29.9	26.6					15.4		29.7	4.7	
Progression Factor	0.93	0.93	0.77					1.00		0.99	0.28	
Incremental Delay, d2	4.0	4.0	0.1					1.2		5.6	0.4	
Delay (s)	31.9	31.9	20.6					16.6		35.0	1.8	
Level of Service	C	C	C					B		C	A	
Approach Delay (s)		29.7			0.0			16.6			8.4	
Approach LOS		C			A			B			A	

Intersection Summary			
HCM Average Control Delay	15.1	HCM Level of Service	B
HCM Volume to Capacity ratio	0.59		
Actuated Cycle Length (s)	80.0	Sum of lost time (s)	12.0
Intersection Capacity Utilization	56.0%	ICU Level of Service	B
Analysis Period (min)	15		
c Critical Lane Group			



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Volume (vph)	170	90	250	100	330	60	740	1630	120	30	1760	400
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Total Lost time (s)	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lane Util. Factor	0.97	1.00	1.00	1.00	1.00	1.00	0.97	0.91	1.00	1.00	0.91	1.00
Frt	1.00	1.00	0.85	1.00	1.00	0.85	1.00	1.00	0.85	1.00	1.00	0.85
Flt Protected	0.95	1.00	1.00	0.95	1.00	1.00	0.95	1.00	1.00	0.95	1.00	1.00
Satd. Flow (prot)	3433	1863	1583	1770	1863	1583	3433	5085	1583	1770	5085	1583
Flt Permitted	0.95	1.00	1.00	0.95	1.00	1.00	0.95	1.00	1.00	0.95	1.00	1.00
Satd. Flow (perm)	3433	1863	1583	1770	1863	1583	3433	5085	1583	1770	5085	1583
Peak-hour factor, PHF	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
Adj. Flow (vph)	179	95	263	105	347	63	779	1716	126	32	1853	421
RTOR Reduction (vph)	0	0	0	0	0	49	0	0	50	0	0	0
Lane Group Flow (vph)	179	95	263	105	347	14	779	1716	76	32	1853	421
Turn Type	Prot		Free	Prot		Perm	Prot		Perm	Prot		Free
Protected Phases	7	4		3	8		5	2		1	6	
Permitted Phases			Free			8			2			Free
Actuated Green, G (s)	9.0	30.2	135.1	8.0	29.2	29.2	30.1	77.4	77.4	3.5	50.8	135.1
Effective Green, g (s)	9.0	30.2	135.1	8.0	29.2	29.2	30.1	77.4	77.4	3.5	50.8	135.1
Actuated g/C Ratio	0.07	0.22	1.00	0.06	0.22	0.22	0.22	0.57	0.57	0.03	0.38	1.00
Clearance Time (s)	4.0	4.0		4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	
Vehicle Extension (s)	3.0	3.0		3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	
Lane Grp Cap (vph)	229	416	1583	105	403	342	765	2913	907	46	1912	1583
v/s Ratio Prot	0.05	0.05		c0.06	c0.19		c0.23	0.34		0.02	c0.36	
v/s Ratio Perm			0.17			0.01			0.05			c0.27
v/c Ratio	0.78	0.23	0.17	1.00	0.86	0.04	1.02	0.59	0.08	0.70	0.97	0.27
Uniform Delay, d1	62.1	42.9	0.0	63.5	51.0	41.9	52.5	18.6	12.9	65.3	41.4	0.0
Progression Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Incremental Delay, d2	15.8	0.3	0.2	87.8	16.9	0.0	37.2	0.3	0.0	36.9	13.9	0.4
Delay (s)	77.9	43.2	0.2	151.4	67.9	41.9	89.7	18.9	13.0	102.2	55.2	0.4
Level of Service	E	D	A	F	E	D	F	B	B	F	E	A
Approach Delay (s)		33.7			81.7			39.7			45.9	
Approach LOS		C			F			D			D	

Intersection Summary			
HCM Average Control Delay	45.2	HCM Level of Service	D
HCM Volume to Capacity ratio	0.95		
Actuated Cycle Length (s)	135.1	Sum of lost time (s)	16.0
Intersection Capacity Utilization	90.7%	ICU Level of Service	E
Analysis Period (min)	15		
c Critical Lane Group			



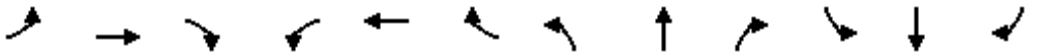
Movement	WBL	WBR	NBT	NBR	SBL	SBT
Lane Configurations						
Volume (veh/h)	0	0	0	0	0	0
Sign Control	Stop		Free			Free
Grade	0%		0%			0%
Peak Hour Factor	0.95	0.95	0.95	0.95	0.95	0.95
Hourly flow rate (vph)	0	0	0	0	0	0
Pedestrians						
Lane Width (ft)						
Walking Speed (ft/s)						
Percent Blockage						
Right turn flare (veh)						
Median type			None			None
Median storage veh)						
Upstream signal (ft)						
pX, platoon unblocked						
vC, conflicting volume	0	0			0	
vC1, stage 1 conf vol						
vC2, stage 2 conf vol						
vCu, unblocked vol	0	0			0	
tC, single (s)	6.8	6.9			4.1	
tC, 2 stage (s)						
tF (s)	3.5	3.3			2.2	
p0 queue free %	100	100			100	
cM capacity (veh/h)	1023	1084			1622	

Direction, Lane #	WB 1	NB 1	NB 2	NB 3	SB 1	SB 2	SB 3	SB 4
Volume Total	0	0	0	0	0	0	0	0
Volume Left	0	0	0	0	0	0	0	0
Volume Right	0	0	0	0	0	0	0	0
cSH	1700	1700	1700	1700	1700	1700	1700	1700
Volume to Capacity	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Queue Length 95th (ft)	0	0	0	0	0	0	0	0
Control Delay (s)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lane LOS	A							
Approach Delay (s)	0.0	0.0			0.0			
Approach LOS	A							

Intersection Summary			
Average Delay	0.0		
Intersection Capacity Utilization	0.0%	ICU Level of Service	A
Analysis Period (min)	15		

2035 Plus Phase 1
LOS Calculation Worksheets

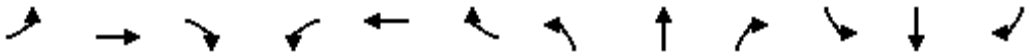
FEHR PEERS



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Volume (vph)	0	0	0	610	0	1740	70	300	0	0	1670	350
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Total Lost time (s)					4.0	4.0	4.0	4.0			4.0	2.3
Lane Util. Factor					1.00	0.88	1.00	0.95			0.91	1.00
Frpb, ped/bikes					1.00	1.00	1.00	1.00			1.00	0.99
Flpb, ped/bikes					1.00	1.00	1.00	1.00			1.00	1.00
Frt					1.00	0.85	1.00	1.00			1.00	0.85
Flt Protected					0.95	1.00	0.95	1.00			1.00	1.00
Satd. Flow (prot)					1641	2584	1641	3282			4715	1450
Flt Permitted					0.95	1.00	0.95	1.00			1.00	1.00
Satd. Flow (perm)					1641	2584	1641	3282			4715	1450
Peak-hour factor, PHF	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj. Flow (vph)	0	0	0	610	0	1740	70	300	0	0	1670	350
RTOR Reduction (vph)	0	0	0	0	0	435	0	0	0	0	0	0
Lane Group Flow (vph)	0	0	0	0	610	1305	70	300	0	0	1670	350
Confl. Peds. (#/hr)									10			
Confl. Bikes (#/hr)												2
Heavy Vehicles (%)	10%	10%	10%	10%	10%	10%	10%	10%	10%	10%	10%	10%
Turn Type				Split		Perm	Prot					Free
Protected Phases				8	8		5	2			6	
Permitted Phases						8						Free
Actuated Green, G (s)					58.9	58.9	8.9	60.3			46.9	130.0
Effective Green, g (s)					60.0	60.0	9.4	62.0			48.6	130.0
Actuated g/C Ratio					0.46	0.46	0.07	0.48			0.37	1.00
Clearance Time (s)					5.1	5.1	4.5	5.7			5.7	
Vehicle Extension (s)					2.3	2.3	4.0	4.0			4.0	
Lane Grp Cap (vph)					757	1193	119	1565			1763	1450
v/s Ratio Prot					0.37		c0.04	0.09			c0.35	
v/s Ratio Perm						c0.51						0.24
v/c Ratio					0.81	1.09	0.59	0.19			0.95	0.24
Uniform Delay, d1					30.0	35.0	58.4	19.6			39.5	0.0
Progression Factor					1.00	1.00	0.82	0.78			1.00	1.00
Incremental Delay, d2					6.0	55.7	8.5	0.3			12.1	0.4
Delay (s)					36.0	90.7	56.4	15.5			51.6	0.4
Level of Service					D	F	E	B			D	A
Approach Delay (s)		0.0			76.5			23.3			42.7	
Approach LOS		A			E			C			D	

Intersection Summary			
HCM Average Control Delay	58.0	HCM Level of Service	E
HCM Volume to Capacity ratio	0.99		
Actuated Cycle Length (s)	130.0	Sum of lost time (s)	12.0
Intersection Capacity Utilization	82.7%	ICU Level of Service	E
Analysis Period (min)	15		

c Critical Lane Group



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Volume (vph)	150	0	170	0	0	0	0	220	150	0	770	0
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Total Lost time (s)	5.1	5.1	5.1					5.7	5.7		5.7	
Lane Util. Factor	0.95	0.95	1.00					0.95	1.00		0.95	
Frpb, ped/bikes	1.00	1.00	1.00					1.00	0.96		1.00	
Flpb, ped/bikes	1.00	1.00	1.00					1.00	1.00		1.00	
Frt	1.00	1.00	0.85					1.00	0.85		1.00	
Flt Protected	0.95	0.95	1.00					1.00	1.00		1.00	
Satd. Flow (prot)	1559	1559	1468					3282	1405		3282	
Flt Permitted	0.95	0.95	1.00					1.00	1.00		1.00	
Satd. Flow (perm)	1559	1559	1468					3282	1405		3282	
Peak-hour factor, PHF	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj. Flow (vph)	150	0	170	0	0	0	0	220	150	0	770	0
RTOR Reduction (vph)	0	0	140	0	0	0	0	0	45	0	0	0
Lane Group Flow (vph)	75	75	30	0	0	0	0	220	105	0	770	0
Confl. Peds. (#/hr)									10			10
Confl. Bikes (#/hr)												1
Heavy Vehicles (%)	10%	10%	10%	10%	10%	10%	10%	10%	10%	10%	10%	10%
Turn Type	Split		Perm						Perm			
Protected Phases	4	4						2			6	
Permitted Phases			4						2			
Actuated Green, G (s)	8.5	8.5	8.5					45.7	45.7		45.7	
Effective Green, g (s)	8.5	8.5	8.5					45.7	45.7		45.7	
Actuated g/C Ratio	0.13	0.13	0.13					0.70	0.70		0.70	
Clearance Time (s)	5.1	5.1	5.1					5.7	5.7		5.7	
Vehicle Extension (s)	1.3	1.3	1.3					4.0	4.0		4.0	
Lane Grp Cap (vph)	204	204	192					2307	988		2307	
v/s Ratio Prot	c0.05	0.05						0.07			c0.23	
v/s Ratio Perm			0.02						0.08			
v/c Ratio	0.37	0.37	0.16					0.10	0.11		0.33	
Uniform Delay, d1	25.8	25.8	25.1					3.1	3.1		3.7	
Progression Factor	1.00	1.00	1.00					0.82	1.92		1.20	
Incremental Delay, d2	0.4	0.4	0.1					0.1	0.2		0.2	
Delay (s)	26.2	26.2	25.2					2.6	6.2		4.7	
Level of Service	C	C	C					A	A		A	
Approach Delay (s)		25.7			0.0			4.0			4.7	
Approach LOS		C			A			A			A	

Intersection Summary			
HCM Average Control Delay	9.1	HCM Level of Service	A
HCM Volume to Capacity ratio	0.34		
Actuated Cycle Length (s)	65.0	Sum of lost time (s)	10.8
Intersection Capacity Utilization	91.9%	ICU Level of Service	F
Analysis Period (min)	15		

c Critical Lane Group



Movement	WBL	WBR	NBT	NBR	SBL	SBT
Lane Configurations						
Volume (vph)	20	140	460	50	160	650
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900
Total Lost time (s)	4.0	4.0	4.0	4.0	4.0	4.0
Lane Util. Factor	1.00	1.00	1.00	1.00	1.00	1.00
Frpb, ped/bikes	1.00	0.99	1.00	0.95	1.00	1.00
Flpb, ped/bikes	1.00	1.00	1.00	1.00	1.00	1.00
Frt	1.00	0.85	1.00	0.85	1.00	1.00
Flt Protected	0.95	1.00	1.00	1.00	0.95	1.00
Satd. Flow (prot)	1641	1446	1727	1400	1641	1727
Flt Permitted	0.95	1.00	1.00	1.00	0.49	1.00
Satd. Flow (perm)	1641	1446	1727	1400	848	1727
Peak-hour factor, PHF	1.00	1.00	1.00	1.00	1.00	1.00
Adj. Flow (vph)	20	140	460	50	160	650
RTOR Reduction (vph)	0	0	0	6	0	0
Lane Group Flow (vph)	20	140	460	44	160	650
Confl. Peds. (#/hr)		10		10		
Heavy Vehicles (%)	10%	10%	10%	10%	10%	10%
Turn Type		Free		Perm	Perm	
Protected Phases	8		2			6
Permitted Phases		Free		2	6	
Actuated Green, G (s)	8.6	130.0	113.4	113.4	113.4	113.4
Effective Green, g (s)	8.6	130.0	113.4	113.4	113.4	113.4
Actuated g/C Ratio	0.07	1.00	0.87	0.87	0.87	0.87
Clearance Time (s)	4.0		4.0	4.0	4.0	4.0
Vehicle Extension (s)	3.0		3.0	3.0	3.0	3.0
Lane Grp Cap (vph)	109	1446	1506	1221	740	1506
v/s Ratio Prot	c0.01		0.27			c0.38
v/s Ratio Perm		0.10		0.03	0.19	
v/c Ratio	0.18	0.10	0.31	0.04	0.22	0.43
Uniform Delay, d1	57.4	0.0	1.4	1.1	1.3	1.7
Progression Factor	1.00	1.00	1.00	1.00	1.20	2.58
Incremental Delay, d2	0.8	0.1	0.5	0.1	0.6	0.9
Delay (s)	58.2	0.1	2.0	1.1	2.2	5.3
Level of Service	E	A	A	A	A	A
Approach Delay (s)	7.4		1.9			4.7
Approach LOS	A		A			A

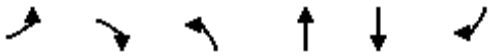
Intersection Summary			
HCM Average Control Delay	4.0	HCM Level of Service	A
HCM Volume to Capacity ratio	0.41		
Actuated Cycle Length (s)	130.0	Sum of lost time (s)	8.0
Intersection Capacity Utilization	52.1%	ICU Level of Service	A
Analysis Period (min)	15		
c Critical Lane Group			



Movement	WBL	WBR	NBT	NBR	SBL	SBT
Lane Configurations						
Volume (veh/h)	40	160	310	30	350	320
Sign Control	Stop		Free			Free
Grade	0%		0%			0%
Peak Hour Factor	1.00	1.00	1.00	1.00	1.00	1.00
Hourly flow rate (vph)	40	160	310	30	350	320
Pedestrians	10					10
Lane Width (ft)	12.0					12.0
Walking Speed (ft/s)	4.0					4.0
Percent Blockage	1					1
Right turn flare (veh)						
Median type			None			None
Median storage veh)						
Upstream signal (ft)						
pX, platoon unblocked						
vC, conflicting volume	1340	330			350	
vC1, stage 1 conf vol						
vC2, stage 2 conf vol						
vCu, unblocked vol	1340	330			350	
tC, single (s)	6.5	6.3			4.2	
tC, 2 stage (s)						
tF (s)	3.6	3.4			2.3	
p0 queue free %	64	77			70	
cM capacity (veh/h)	112	682			1156	

Direction, Lane #	WB 1	WB 2	NB 1	NB 2	SB 1	SB 2
Volume Total	40	160	310	30	350	320
Volume Left	40	0	0	0	350	0
Volume Right	0	160	0	30	0	0
cSH	112	682	1700	1700	1156	1700
Volume to Capacity	0.36	0.23	0.18	0.02	0.30	0.19
Queue Length 95th (ft)	36	23	0	0	32	0
Control Delay (s)	54.1	11.9	0.0	0.0	9.5	0.0
Lane LOS	F	B			A	
Approach Delay (s)	20.3		0.0		4.9	
Approach LOS	C					

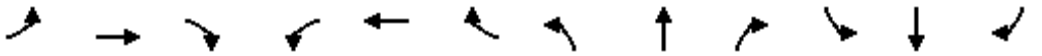
Intersection Summary			
Average Delay	6.1		
Intersection Capacity Utilization	51.9%	ICU Level of Service	A
Analysis Period (min)	15		



Movement	EBL	EBR	NBL	NBT	SBT	SBR
Lane Configurations						
Volume (veh/h)	0	0	0	370	770	1430
Sign Control	Stop			Free	Free	
Grade	0%			0%	0%	
Peak Hour Factor	1.00	1.00	1.00	1.00	1.00	1.00
Hourly flow rate (vph)	0	0	0	370	770	1430
Pedestrians						
Lane Width (ft)						
Walking Speed (ft/s)						
Percent Blockage						
Right turn flare (veh)						
Median type				None	None	
Median storage veh)						
Upstream signal (ft)				318	426	
pX, platoon unblocked						
vC, conflicting volume	955	385	2200			
vC1, stage 1 conf vol						
vC2, stage 2 conf vol						
vCu, unblocked vol	955	385	2200			
tC, single (s)	7.0	7.1	4.3			
tC, 2 stage (s)						
tF (s)	3.6	3.4	2.3			
p0 queue free %	100	100	100			
cM capacity (veh/h)	246	597	217			

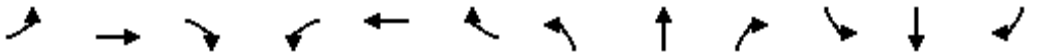
Direction, Lane #	NB 1	NB 2	SB 1	SB 2	SB 3
Volume Total	185	185	385	385	1430
Volume Left	0	0	0	0	0
Volume Right	0	0	0	0	1430
cSH	1700	1700	1700	1700	1700
Volume to Capacity	0.11	0.11	0.23	0.23	0.84
Queue Length 95th (ft)	0	0	0	0	0
Control Delay (s)	0.0	0.0	0.0	0.0	0.0
Lane LOS					
Approach Delay (s)	0.0		0.0		
Approach LOS					

Intersection Summary			
Average Delay	0.0		
Intersection Capacity Utilization	91.9%	ICU Level of Service	F
Analysis Period (min)	15		



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Volume (vph)	40	10	70	40	10	20	200	310	90	50	770	110
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Total Lost time (s)	4.0	4.0	4.0	4.0	4.0		4.0	4.0	4.0	4.0	4.0	4.0
Lane Util. Factor	0.97	0.95	0.95	0.97	1.00		1.00	0.95	1.00	1.00	0.95	1.00
Frpb, ped/bikes	1.00	0.98	0.97	1.00	0.98		1.00	1.00	0.95	1.00	1.00	0.95
Flpb, ped/bikes	1.00	1.00	1.00	1.00	1.00		1.00	1.00	1.00	1.00	1.00	1.00
Frt	1.00	0.89	0.85	1.00	0.90		1.00	1.00	0.85	1.00	1.00	0.85
Flt Protected	0.95	1.00	1.00	0.95	1.00		0.95	1.00	1.00	0.95	1.00	1.00
Satd. Flow (prot)	3183	1427	1359	3183	1528		1641	3282	1394	1641	3282	1400
Flt Permitted	0.95	1.00	1.00	0.95	1.00		0.95	1.00	1.00	0.95	1.00	1.00
Satd. Flow (perm)	3183	1427	1359	3183	1528		1641	3282	1394	1641	3282	1400
Peak-hour factor, PHF	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj. Flow (vph)	40	10	70	40	10	20	200	310	90	50	770	110
RTOR Reduction (vph)	0	28	36	0	0	0	0	0	28	0	0	39
Lane Group Flow (vph)	40	13	3	40	30	0	200	310	62	50	770	71
Confl. Peds. (#/hr)			10			10			10			10
Heavy Vehicles (%)	10%	10%	10%	10%	10%	10%	10%	10%	10%	10%	10%	10%
Turn Type	Prot		Perm	Prot			Prot		Perm	Prot		Perm
Protected Phases	7	4		3	8		5	2		1	6	
Permitted Phases			4						2			6
Actuated Green, G (s)	7.7	10.9	10.9	5.8	9.0		21.1	89.1	89.1	8.2	76.2	76.2
Effective Green, g (s)	7.7	10.9	10.9	5.8	9.0		21.1	89.1	89.1	8.2	76.2	76.2
Actuated g/C Ratio	0.06	0.08	0.08	0.04	0.07		0.16	0.69	0.69	0.06	0.59	0.59
Clearance Time (s)	4.0	4.0	4.0	4.0	4.0		4.0	4.0	4.0	4.0	4.0	4.0
Vehicle Extension (s)	3.0	3.0	3.0	3.0	3.0		3.0	3.0	3.0	3.0	3.0	3.0
Lane Grp Cap (vph)	189	120	114	142	106		266	2249	955	104	1924	821
v/s Ratio Prot	0.01	0.01		c0.01	c0.02		c0.12	0.09		0.03	c0.23	
v/s Ratio Perm			0.00						0.04			0.05
v/c Ratio	0.21	0.10	0.03	0.28	0.28		0.75	0.14	0.06	0.48	0.40	0.09
Uniform Delay, d1	58.3	55.0	54.7	60.1	57.4		52.0	7.1	6.7	58.8	14.5	11.7
Progression Factor	1.00	1.00	1.00	1.00	1.00		0.96	0.78	1.12	1.08	0.55	0.34
Incremental Delay, d2	0.6	0.4	0.1	1.1	1.5		11.2	0.1	0.1	3.3	0.6	0.2
Delay (s)	58.8	55.4	54.8	61.2	58.9		60.9	5.7	7.7	67.0	8.6	4.2
Level of Service	E	E	D	E	E		E	A	A	E	A	A
Approach Delay (s)		56.4			60.2			24.4			11.2	
Approach LOS		E			E			C			B	

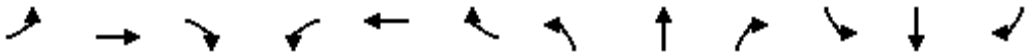
Intersection Summary			
HCM Average Control Delay	20.9	HCM Level of Service	C
HCM Volume to Capacity ratio	0.44		
Actuated Cycle Length (s)	130.0	Sum of lost time (s)	16.0
Intersection Capacity Utilization	54.6%	ICU Level of Service	A
Analysis Period (min)	15		
c Critical Lane Group			



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Volume (vph)	20	20	50	120	30	320	30	170	230	220	170	30
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Total Lost time (s)	7.5	7.5	7.5	7.5	7.5		7.5	7.5	7.5	7.5	7.5	7.5
Lane Util. Factor	1.00	0.95	1.00	0.97	1.00		1.00	0.95	1.00	0.97	0.95	1.00
Frpb, ped/bikes	1.00	1.00	0.98	1.00	0.99		1.00	1.00	0.98	1.00	1.00	0.97
Flpb, ped/bikes	1.00	1.00	1.00	1.00	1.00		1.00	1.00	1.00	1.00	1.00	1.00
Frt	1.00	1.00	0.85	1.00	0.86		1.00	1.00	0.85	1.00	1.00	0.85
Flt Protected	0.95	1.00	1.00	0.95	1.00		0.95	1.00	1.00	0.95	1.00	1.00
Satd. Flow (prot)	1352	2714	1189	2633	1215		1357	2714	1195	2633	2714	1183
Flt Permitted	0.95	1.00	1.00	0.95	1.00		0.95	1.00	1.00	0.95	1.00	1.00
Satd. Flow (perm)	1352	2714	1189	2633	1215		1357	2714	1195	2633	2714	1183
Peak-hour factor, PHF	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
Adj. Flow (vph)	21	21	53	126	32	337	32	179	242	232	179	32
RTOR Reduction (vph)	0	0	45	0	249	0	0	0	201	0	0	22
Lane Group Flow (vph)	21	21	8	126	120	0	32	179	41	232	179	10
Confl. Peds. (#/hr)			5			5			5			5
Heavy Vehicles (%)	33%	33%	33%	33%	33%	33%	33%	33%	33%	33%	33%	33%
Bus Blockages (#/hr)	1	0	0	0	0	0	0	0	0	0	0	0
Turn Type	Prot		Perm	Prot			Prot		Perm	Prot		Perm
Protected Phases	7	4		3	8		5	2		1	6	
Permitted Phases			4						2			6
Actuated Green, G (s)	2.9	14.0	14.0	11.6	22.7		3.3	14.7	14.7	17.1	28.5	28.5
Effective Green, g (s)	2.9	14.0	14.0	11.6	22.7		3.3	14.7	14.7	17.1	28.5	28.5
Actuated g/C Ratio	0.03	0.16	0.16	0.13	0.26		0.04	0.17	0.17	0.20	0.33	0.33
Clearance Time (s)	7.5	7.5	7.5	7.5	7.5		7.5	7.5	7.5	7.5	7.5	7.5
Vehicle Extension (s)	3.0	3.0	3.0	3.0	3.0		3.0	3.0	3.0	3.0	3.0	3.0
Lane Grp Cap (vph)	45	435	190	349	316		51	456	201	515	885	386
v/s Ratio Prot	0.02	0.01		c0.05	c0.10		0.02	c0.07		c0.09	0.07	
v/s Ratio Perm			0.01						0.03			0.01
v/c Ratio	0.47	0.05	0.04	0.36	0.38		0.63	0.39	0.20	0.45	0.20	0.03
Uniform Delay, d1	41.5	31.1	31.0	34.5	26.6		41.4	32.4	31.3	31.0	21.2	20.0
Progression Factor	1.00	1.00	1.00	1.00	1.00		1.00	1.00	1.00	1.00	1.00	1.00
Incremental Delay, d2	7.5	0.0	0.1	0.6	0.8		21.7	0.6	0.5	0.6	0.1	0.0
Delay (s)	49.0	31.1	31.1	35.2	27.3		63.1	32.9	31.8	31.6	21.4	20.1
Level of Service	D	C	C	D	C		E	C	C	C	C	C
Approach Delay (s)		35.1			29.3			34.5			26.6	
Approach LOS		D			C			C			C	

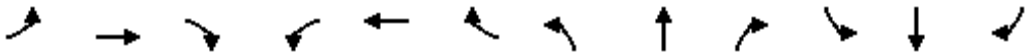
Intersection Summary			
HCM Average Control Delay	30.5	HCM Level of Service	C
HCM Volume to Capacity ratio	0.43		
Actuated Cycle Length (s)	87.4	Sum of lost time (s)	30.0
Intersection Capacity Utilization	65.5%	ICU Level of Service	C
Analysis Period (min)	15		

c Critical Lane Group



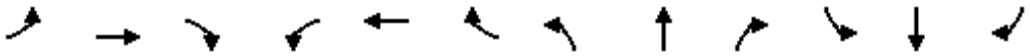
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Right Turn Channelized						Yes			Yes			
Volume (veh/h)	20	230	0	0	590	200	150	0	340	0	0	0
Peak Hour Factor	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
Hourly flow rate (vph)	21	242	0	0	621	211	158	0	358	0	0	0
Approach Volume (veh/h)		263			621			158			0	
Crossing Volume (veh/h)		0			179			263			779	
High Capacity (veh/h)		1385			1204			1127			746	
High v/c (veh/h)		0.19			0.52			0.14			0.00	
Low Capacity (veh/h)		1161			997			927			589	
Low v/c (veh/h)		0.23			0.62			0.17			0.00	

Intersection Summary				
Maximum v/c High	0.52			
Maximum v/c Low	0.62			
Intersection Capacity Utilization	46.0%	ICU Level of Service	A	



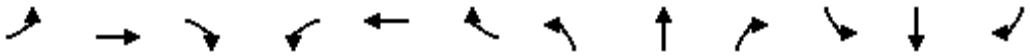
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Right Turn Channelized												Yes
Volume (veh/h)	0	60	20	190	550	0	0	0	0	190	0	10
Peak Hour Factor	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
Hourly flow rate (vph)	0	63	21	200	579	0	0	0	0	200	0	11
Approach Volume (veh/h)		84			779			0			200	
Crossing Volume (veh/h)		400			0			263			779	
High Capacity (veh/h)		1011			1385			1127			746	
High v/c (veh/h)		0.08			0.56			0.00			0.27	
Low Capacity (veh/h)		823			1161			927			589	
Low v/c (veh/h)		0.10			0.67			0.00			0.34	

Intersection Summary					
Maximum v/c High		0.56			
Maximum v/c Low		0.67			
Intersection Capacity Utilization		63.3%	ICU Level of Service		B



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Volume (vph)	10	80	30	340	200	20	100	100	170	10	60	10
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Total Lost time (s)	4.0	4.0	4.0	4.0	4.0		4.0	4.0	4.0	4.0	4.0	
Lane Util. Factor	1.00	1.00	1.00	0.97	0.95		0.97	1.00	1.00	1.00	1.00	
Frpb, ped/bikes	1.00	1.00	0.99	1.00	1.00		1.00	1.00	0.99	1.00	1.00	
Flpb, ped/bikes	1.00	1.00	1.00	1.00	1.00		1.00	1.00	1.00	1.00	1.00	
Frt	1.00	1.00	0.85	1.00	0.99		1.00	1.00	0.85	1.00	0.98	
Flt Protected	0.95	1.00	1.00	0.95	1.00		0.95	1.00	1.00	0.95	1.00	
Satd. Flow (prot)	1641	1727	1446	3183	3229		3183	1727	1446	1641	1685	
Flt Permitted	0.61	1.00	1.00	0.70	1.00		0.75	1.00	1.00	0.75	1.00	
Satd. Flow (perm)	1049	1727	1446	2354	3229		2529	1727	1446	1304	1685	
Peak-hour factor, PHF	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
Adj. Flow (vph)	11	84	32	358	211	21	105	105	179	11	63	11
RTOR Reduction (vph)	0	0	0	0	12	0	0	0	0	0	8	0
Lane Group Flow (vph)	11	84	32	358	220	0	105	105	179	11	66	0
Confl. Peds. (#/hr)			10			10			10			10
Heavy Vehicles (%)	10%	10%	10%	10%	10%	10%	10%	10%	10%	10%	10%	10%
Turn Type	Perm		Free	Perm			Perm		Free	Perm		
Protected Phases		4			8			2			6	
Permitted Phases	4		Free	8			2		Free	6		
Actuated Green, G (s)	9.7	9.7	23.0	9.7	9.7		5.3	5.3	23.0	5.3	5.3	
Effective Green, g (s)	9.7	9.7	23.0	9.7	9.7		5.3	5.3	23.0	5.3	5.3	
Actuated g/C Ratio	0.42	0.42	1.00	0.42	0.42		0.23	0.23	1.00	0.23	0.23	
Clearance Time (s)	4.0	4.0		4.0	4.0		4.0	4.0		4.0	4.0	
Vehicle Extension (s)	3.0	3.0		3.0	3.0		3.0	3.0		3.0	3.0	
Lane Grp Cap (vph)	442	728	1446	993	1362		583	398	1446	300	388	
v/s Ratio Prot		0.05			0.07			c0.06			0.04	
v/s Ratio Perm	0.01		0.02	c0.15			0.04		0.12	0.01		
v/c Ratio	0.02	0.12	0.02	0.36	0.16		0.18	0.26	0.12	0.04	0.17	
Uniform Delay, d1	3.9	4.0	0.0	4.5	4.1		7.1	7.3	0.0	6.9	7.1	
Progression Factor	1.00	1.00	1.00	1.00	1.00		1.00	1.00	1.00	1.00	1.00	
Incremental Delay, d2	0.0	0.1	0.0	0.2	0.1		0.1	0.4	0.2	0.1	0.2	
Delay (s)	3.9	4.1	0.0	4.8	4.2		7.3	7.6	0.2	6.9	7.3	
Level of Service	A	A	A	A	A		A	A	A	A	A	
Approach Delay (s)		3.1			4.5			4.1			7.2	
Approach LOS		A			A			A			A	

Intersection Summary			
HCM Average Control Delay	4.4	HCM Level of Service	A
HCM Volume to Capacity ratio	0.33		
Actuated Cycle Length (s)	23.0	Sum of lost time (s)	8.0
Intersection Capacity Utilization	35.5%	ICU Level of Service	A
Analysis Period (min)	15		
c Critical Lane Group			

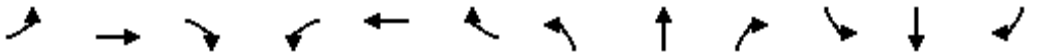


Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Volume (vph)	10	130	120	280	310	60	70	270	100	20	270	50
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Total Lost time (s)	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0		4.0	4.0	
Lane Util. Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.95		1.00	0.95	
Frpb, ped/bikes	1.00	1.00	0.98	1.00	1.00	0.98	1.00	0.99		1.00	0.99	
Flpb, ped/bikes	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00		1.00	1.00	
Frt	1.00	1.00	0.85	1.00	1.00	0.85	1.00	0.96		1.00	0.98	
Flt Protected	0.95	1.00	1.00	0.95	1.00	1.00	0.95	1.00		0.95	1.00	
Satd. Flow (prot)	1641	1727	1438	1641	1727	1438	1641	3118		1641	3186	
Flt Permitted	0.95	1.00	1.00	0.95	1.00	1.00	0.95	1.00		0.95	1.00	
Satd. Flow (perm)	1641	1727	1438	1641	1727	1438	1641	3118		1641	3186	
Peak-hour factor, PHF	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
Adj. Flow (vph)	11	137	126	295	326	63	74	284	105	21	284	53
RTOR Reduction (vph)	0	0	98	0	0	35	0	36	0	0	17	0
Lane Group Flow (vph)	11	137	28	295	326	28	74	353	0	21	320	0
Confl. Peds. (#/hr)			10			10			10			10
Heavy Vehicles (%)	10%	10%	10%	10%	10%	10%	10%	10%	10%	10%	10%	10%
Turn Type	Prot		Perm	Prot		Perm	Prot			Prot		
Protected Phases	7	4		3	8		5	2		1	6	
Permitted Phases			4			8						
Actuated Green, G (s)	1.1	15.5	15.5	16.9	31.3	31.3	6.7	20.4		1.2	14.9	
Effective Green, g (s)	1.1	15.5	15.5	16.9	31.3	31.3	6.7	20.4		1.2	14.9	
Actuated g/C Ratio	0.02	0.22	0.22	0.24	0.45	0.45	0.10	0.29		0.02	0.21	
Clearance Time (s)	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0		4.0	4.0	
Vehicle Extension (s)	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0		3.0	3.0	
Lane Grp Cap (vph)	26	382	318	396	772	643	157	909		28	678	
v/s Ratio Prot	0.01	0.08		c0.18	c0.19		c0.05	0.11		0.01	c0.10	
v/s Ratio Perm			0.02			0.02						
v/c Ratio	0.42	0.36	0.09	0.74	0.42	0.04	0.47	0.39		0.75	0.47	
Uniform Delay, d1	34.1	23.0	21.6	24.6	13.2	10.9	30.0	19.8		34.3	24.1	
Progression Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00		1.00	1.00	
Incremental Delay, d2	10.7	0.6	0.1	7.4	0.4	0.0	2.2	0.3		71.8	0.5	
Delay (s)	44.9	23.6	21.8	32.0	13.6	10.9	32.2	20.1		106.1	24.6	
Level of Service	D	C	C	C	B	B	C	C		F	C	
Approach Delay (s)		23.6			21.3			22.0			29.4	
Approach LOS		C			C			C			C	

Intersection Summary			
HCM Average Control Delay	23.5	HCM Level of Service	C
HCM Volume to Capacity ratio	0.52		
Actuated Cycle Length (s)	70.0	Sum of lost time (s)	12.0
Intersection Capacity Utilization	55.6%	ICU Level of Service	B
Analysis Period (min)	15		
c Critical Lane Group			

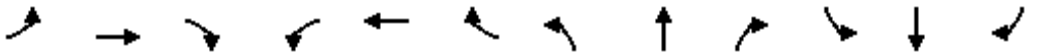
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Volume (vph)	180	140	30	100	560	180	70	200	50	60	120	60
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Total Lost time (s)	4.0	4.0		4.0	4.0		4.0	4.0		4.0	4.0	
Lane Util. Factor	1.00	1.00		1.00	1.00		1.00	0.95		1.00	0.95	
Frpb, ped/bikes	1.00	1.00		1.00	1.00		1.00	0.99		1.00	0.99	
Flpb, ped/bikes	1.00	1.00		1.00	1.00		1.00	1.00		1.00	1.00	
Frt	1.00	0.97		1.00	0.96		1.00	0.97		1.00	0.95	
Flt Protected	0.95	1.00		0.95	1.00		0.95	1.00		0.95	1.00	
Satd. Flow (prot)	1570	1604		1570	1586		1570	3029		1570	2956	
Flt Permitted	0.26	1.00		0.64	1.00		0.63	1.00		0.59	1.00	
Satd. Flow (perm)	425	1604		1065	1586		1045	3029		973	2956	
Peak-hour factor, PHF	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
Adj. Flow (vph)	189	147	32	105	589	189	74	211	53	63	126	63
RTOR Reduction (vph)	0	10	0	0	14	0	0	32	0	0	50	0
Lane Group Flow (vph)	189	169	0	105	764	0	74	232	0	63	139	0
Confl. Peds. (#/hr)			5			5			5			5
Heavy Vehicles (%)	15%	15%	15%	15%	15%	15%	15%	15%	15%	15%	15%	15%
Turn Type	Perm			Perm			Perm			Perm		
Protected Phases		4			8			2			6	
Permitted Phases	4			8			2			6		
Actuated Green, G (s)	34.6	34.6		34.6	34.6		11.2	11.2		11.2	11.2	
Effective Green, g (s)	34.6	34.6		34.6	34.6		11.2	11.2		11.2	11.2	
Actuated g/C Ratio	0.64	0.64		0.64	0.64		0.21	0.21		0.21	0.21	
Clearance Time (s)	4.0	4.0		4.0	4.0		4.0	4.0		4.0	4.0	
Vehicle Extension (s)	3.0	3.0		3.0	3.0		3.0	3.0		3.0	3.0	
Lane Grp Cap (vph)	273	1032		685	1020		218	631		203	615	
v/s Ratio Prot		0.11			c0.48			c0.08			0.05	
v/s Ratio Perm	0.44			0.10			0.07			0.06		
v/c Ratio	0.69	0.16		0.15	0.75		0.34	0.37		0.31	0.23	
Uniform Delay, d1	6.2	3.8		3.8	6.6		18.1	18.3		18.0	17.7	
Progression Factor	1.00	1.00		1.00	1.00		1.00	1.00		1.00	1.00	
Incremental Delay, d2	7.4	0.1		0.1	3.1		0.9	0.4		0.9	0.2	
Delay (s)	13.6	3.9		3.9	9.7		19.1	18.6		18.9	17.9	
Level of Service	B	A		A	A		B	B		B	B	
Approach Delay (s)		8.9			9.0			18.7			18.1	
Approach LOS		A			A			B			B	

Intersection Summary			
HCM Average Control Delay	12.0	HCM Level of Service	B
HCM Volume to Capacity ratio	0.66		
Actuated Cycle Length (s)	53.8	Sum of lost time (s)	8.0
Intersection Capacity Utilization	76.0%	ICU Level of Service	D
Analysis Period (min)	15		
c Critical Lane Group			



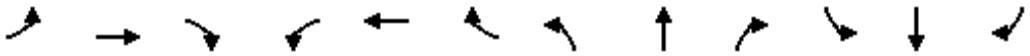
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Volume (vph)	270	50	80	10	170	60	130	110	30	30	330	590
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Total Lost time (s)	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0		4.0	4.0	4.0
Lane Util. Factor	0.94	0.95	1.00	1.00	0.95	1.00	1.00	1.00		1.00	1.00	1.00
Frpb, ped/bikes	1.00	1.00	0.97	1.00	1.00	0.98	1.00	1.00		1.00	1.00	0.99
Flpb, ped/bikes	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00		1.00	1.00	1.00
Frt	1.00	1.00	0.85	1.00	1.00	0.85	1.00	0.97		1.00	1.00	0.85
Flt Protected	0.95	1.00	1.00	0.95	1.00	1.00	0.95	1.00		0.95	1.00	1.00
Satd. Flow (prot)	4627	3282	1430	1641	3282	1445	1641	1666		1641	1727	1446
Flt Permitted	0.64	1.00	1.00	0.72	1.00	1.00	0.55	1.00		0.66	1.00	1.00
Satd. Flow (perm)	3112	3282	1430	1245	3282	1445	955	1666		1145	1727	1446
Peak-hour factor, PHF	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
Adj. Flow (vph)	284	53	84	11	179	63	137	116	32	32	347	621
RTOR Reduction (vph)	0	0	62	0	0	46	0	17	0	0	0	0
Lane Group Flow (vph)	284	53	22	11	179	17	137	131	0	32	347	621
Confl. Peds. (#/hr)			10			10			10			10
Heavy Vehicles (%)	10%	10%	10%	10%	10%	10%	10%	10%	10%	10%	10%	10%
Turn Type	Perm		Perm	Perm		Perm	Perm			Perm		Free
Protected Phases		4			8			2			6	
Permitted Phases	4		4	8		8	2			6		Free
Actuated Green, G (s)	8.0	8.0	8.0	8.0	8.0	8.0	13.9	13.9		13.9	13.9	29.9
Effective Green, g (s)	8.0	8.0	8.0	8.0	8.0	8.0	13.9	13.9		13.9	13.9	29.9
Actuated g/C Ratio	0.27	0.27	0.27	0.27	0.27	0.27	0.46	0.46		0.46	0.46	1.00
Clearance Time (s)	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0		4.0	4.0	
Vehicle Extension (s)	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0		3.0	3.0	
Lane Grp Cap (vph)	833	878	383	333	878	387	444	774		532	803	1446
v/s Ratio Prot		0.02			0.05			0.08			0.20	
v/s Ratio Perm	0.09		0.02	0.01		0.01	0.14			0.03		c0.43
v/c Ratio	0.34	0.06	0.06	0.03	0.20	0.04	0.31	0.17		0.06	0.43	0.43
Uniform Delay, d1	8.8	8.2	8.1	8.1	8.5	8.1	5.0	4.6		4.4	5.4	0.0
Progression Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00		1.00	1.00	1.00
Incremental Delay, d2	0.2	0.0	0.1	0.0	0.1	0.0	0.4	0.1		0.0	0.4	0.9
Delay (s)	9.1	8.2	8.2	8.1	8.6	8.2	5.4	4.8		4.5	5.7	0.9
Level of Service	A	A	A	A	A	A	A	A		A	A	A
Approach Delay (s)		8.8			8.5			5.1			2.7	
Approach LOS		A			A			A			A	

Intersection Summary			
HCM Average Control Delay	5.1	HCM Level of Service	A
HCM Volume to Capacity ratio	0.43		
Actuated Cycle Length (s)	29.9	Sum of lost time (s)	0.0
Intersection Capacity Utilization	54.5%	ICU Level of Service	A
Analysis Period (min)	15		
c Critical Lane Group			



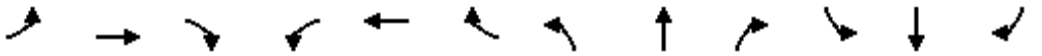
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Volume (vph)	90	200	10	30	570	160	40	360	20	100	360	240
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Total Lost time (s)	4.0	4.0		4.0	4.0	4.0	4.0	4.0		4.0	4.0	4.0
Lane Util. Factor	1.00	0.95		1.00	1.00	1.00	1.00	1.00		1.00	1.00	1.00
Frpb, ped/bikes	1.00	1.00		1.00	1.00	0.97	1.00	1.00		1.00	1.00	0.97
Flpb, ped/bikes	1.00	1.00		1.00	1.00	1.00	1.00	1.00		1.00	1.00	1.00
Frt	1.00	0.99		1.00	1.00	0.85	1.00	0.99		1.00	1.00	0.85
Flt Protected	0.95	1.00		0.95	1.00	1.00	0.95	1.00		0.95	1.00	1.00
Satd. Flow (prot)	1641	3252		1641	1727	1423	1641	1712		1641	1727	1425
Flt Permitted	0.27	1.00		0.61	1.00	1.00	0.41	1.00		0.39	1.00	1.00
Satd. Flow (perm)	463	3252		1059	1727	1423	715	1712		670	1727	1425
Peak-hour factor, PHF	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
Adj. Flow (vph)	95	211	11	32	600	168	42	379	21	105	379	253
RTOR Reduction (vph)	0	6	0	0	0	90	0	4	0	0	0	123
Lane Group Flow (vph)	95	216	0	32	600	78	42	396	0	105	379	130
Confl. Peds. (#/hr)			10			10			10			10
Heavy Vehicles (%)	10%	10%	10%	10%	10%	10%	10%	10%	10%	10%	10%	10%
Turn Type	Perm			Perm		Perm	Perm			Perm		Perm
Protected Phases		4			8			2			6	
Permitted Phases	4			8		8	2			6		6
Actuated Green, G (s)	20.9	20.9		20.9	20.9	20.9	16.2	16.2		16.2	16.2	16.2
Effective Green, g (s)	20.9	20.9		20.9	20.9	20.9	16.2	16.2		16.2	16.2	16.2
Actuated g/C Ratio	0.46	0.46		0.46	0.46	0.46	0.36	0.36		0.36	0.36	0.36
Clearance Time (s)	4.0	4.0		4.0	4.0	4.0	4.0	4.0		4.0	4.0	4.0
Vehicle Extension (s)	3.0	3.0		3.0	3.0	3.0	3.0	3.0		3.0	3.0	3.0
Lane Grp Cap (vph)	215	1507		491	800	659	257	615		241	620	512
v/s Ratio Prot		0.07			c0.35			c0.23			0.22	
v/s Ratio Perm	0.21			0.03		0.05	0.06			0.16		0.09
v/c Ratio	0.44	0.14		0.07	0.75	0.12	0.16	0.64		0.44	0.61	0.25
Uniform Delay, d1	8.2	7.0		6.7	10.0	6.9	9.8	12.0		11.0	11.9	10.2
Progression Factor	1.00	1.00		1.00	1.00	1.00	1.00	1.00		1.00	1.00	1.00
Incremental Delay, d2	1.4	0.0		0.1	4.0	0.1	0.3	2.3		1.3	1.8	0.3
Delay (s)	9.6	7.0		6.8	13.9	6.9	10.1	14.4		12.2	13.7	10.5
Level of Service	A	A		A	B	A	B	B		B	B	B
Approach Delay (s)		7.8			12.2			14.0			12.4	
Approach LOS		A			B			B			B	

Intersection Summary			
HCM Average Control Delay	12.0	HCM Level of Service	B
HCM Volume to Capacity ratio	0.70		
Actuated Cycle Length (s)	45.1	Sum of lost time (s)	8.0
Intersection Capacity Utilization	74.1%	ICU Level of Service	D
Analysis Period (min)	15		
c Critical Lane Group			



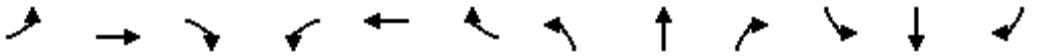
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Volume (vph)	40	180	10	10	600	60	20	140	10	0	110	90
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Total Lost time (s)	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0			4.0	
Lane Util. Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00			1.00	
Frpb, ped/bikes	1.00	1.00	0.97	1.00	1.00	0.97	1.00	1.00			0.99	
Flpb, ped/bikes	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00			1.00	
Frt	1.00	1.00	0.85	1.00	1.00	0.85	1.00	0.99			0.93	
Flt Protected	0.95	1.00	1.00	0.95	1.00	1.00	0.95	1.00			1.00	
Satd. Flow (prot)	1570	1652	1363	1570	1652	1363	1570	1632			1521	
Flt Permitted	0.95	1.00	1.00	0.95	1.00	1.00	0.95	1.00			1.00	
Satd. Flow (perm)	1570	1652	1363	1570	1652	1363	1570	1632			1521	
Peak-hour factor, PHF	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
Adj. Flow (vph)	42	189	11	11	632	63	21	147	11	0	116	95
RTOR Reduction (vph)	0	0	5	0	0	33	0	2	0	0	30	0
Lane Group Flow (vph)	42	189	6	11	632	30	21	156	0	0	181	0
Confl. Peds. (#/hr)			5			5			5			5
Heavy Vehicles (%)	15%	15%	15%	15%	15%	15%	15%	15%	15%	15%	15%	15%
Turn Type	Prot		Perm	Prot		Perm	Prot			Prot		
Protected Phases	7	4		3	8		5	2		1	6	
Permitted Phases			4			8						
Actuated Green, G (s)	2.8	33.6	33.6	0.7	31.5	31.5	1.1	19.7			14.6	
Effective Green, g (s)	2.8	33.6	33.6	0.7	31.5	31.5	1.1	19.7			14.6	
Actuated g/C Ratio	0.04	0.51	0.51	0.01	0.48	0.48	0.02	0.30			0.22	
Clearance Time (s)	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0			4.0	
Vehicle Extension (s)	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0			3.0	
Lane Grp Cap (vph)	67	841	694	17	788	651	26	487			336	
v/s Ratio Prot	c0.03	0.11		0.01	c0.38		c0.01	0.10			c0.12	
v/s Ratio Perm			0.00			0.02						
v/c Ratio	0.63	0.22	0.01	0.65	0.80	0.05	0.81	0.32			0.54	
Uniform Delay, d1	31.1	9.0	8.0	32.5	14.6	9.2	32.3	18.0			22.7	
Progression Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00			1.00	
Incremental Delay, d2	16.9	0.1	0.0	62.0	5.9	0.0	94.5	0.4			1.7	
Delay (s)	48.0	9.1	8.0	94.5	20.5	9.2	126.9	18.3			24.4	
Level of Service	D	A	A	F	C	A	F	B			C	
Approach Delay (s)		15.8			20.7			31.1			24.4	
Approach LOS		B			C			C			C	

Intersection Summary			
HCM Average Control Delay	21.8	HCM Level of Service	C
HCM Volume to Capacity ratio	0.71		
Actuated Cycle Length (s)	66.0	Sum of lost time (s)	16.0
Intersection Capacity Utilization	56.7%	ICU Level of Service	B
Analysis Period (min)	15		
c Critical Lane Group			



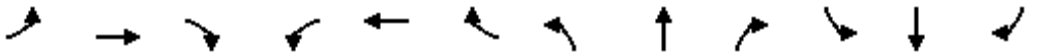
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Volume (vph)	0	0	0	1250	0	840	0	1340	380	0	810	40
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Total Lost time (s)				4.0	4.0	4.0		4.0	4.0		4.0	4.0
Lane Util. Factor				0.91	0.91	1.00		0.95	0.88		0.91	1.00
Frpb, ped/bikes				1.00	1.00	0.99		1.00	0.97		1.00	0.93
Flpb, ped/bikes				1.00	1.00	1.00		1.00	1.00		1.00	1.00
Frt				1.00	1.00	0.85		1.00	0.85		1.00	0.85
Flt Protected				0.95	0.95	1.00		1.00	1.00		1.00	1.00
Satd. Flow (prot)				2986	1493	1446		3282	2507		4715	1362
Flt Permitted				0.95	0.95	1.00		1.00	1.00		1.00	1.00
Satd. Flow (perm)				2986	1493	1446		3282	2507		4715	1362
Peak-hour factor, PHF	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj. Flow (vph)	0	0	0	1250	0	840	0	1340	380	0	810	40
RTOR Reduction (vph)	0	0	0	0	0	0	0	0	0	0	0	16
Lane Group Flow (vph)	0	0	0	837	413	840	0	1340	380	0	810	24
Confl. Peds. (#/hr)			10			10			10			10
Heavy Vehicles (%)	10%	10%	10%	10%	10%	10%	10%	10%	10%	10%	10%	10%
Turn Type				Split		Free			pm+ov			Perm
Protected Phases				8	8			2	8		6	
Permitted Phases						Free			2			6
Actuated Green, G (s)				50.6	50.6	150.0		91.4	142.0		91.4	91.4
Effective Green, g (s)				50.6	50.6	150.0		91.4	142.0		91.4	91.4
Actuated g/C Ratio				0.34	0.34	1.00		0.61	0.95		0.61	0.61
Clearance Time (s)				4.0	4.0			4.0	4.0		4.0	4.0
Vehicle Extension (s)				3.0	3.0			3.0	3.0		3.0	3.0
Lane Grp Cap (vph)				1007	504	1446		2000	2507		2873	830
v/s Ratio Prot				c0.28	0.28			c0.41	0.05		0.17	
v/s Ratio Perm						0.58			0.10			0.02
v/c Ratio				0.83	0.82	0.58		0.67	0.15		0.28	0.03
Uniform Delay, d1				45.8	45.5	0.0		19.3	0.2		13.8	11.7
Progression Factor				1.00	1.00	1.00		0.48	1.46		1.00	1.00
Incremental Delay, d2				5.9	10.0	1.7		1.7	0.0		0.2	0.1
Delay (s)				51.7	55.6	1.7		11.0	0.4		14.1	11.7
Level of Service				D	E	A		B	A		B	B
Approach Delay (s)		0.0			32.4			8.7			14.0	
Approach LOS		A			C			A			B	

Intersection Summary			
HCM Average Control Delay	20.3	HCM Level of Service	C
HCM Volume to Capacity ratio	0.73		
Actuated Cycle Length (s)	150.0	Sum of lost time (s)	8.0
Intersection Capacity Utilization	74.1%	ICU Level of Service	D
Analysis Period (min)	15		
c Critical Lane Group			



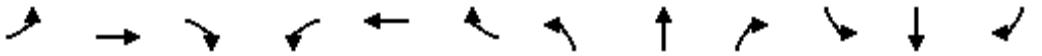
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Volume (vph)	60	0	680	0	0	0	0	1660	870	0	1690	370
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Total Lost time (s)		4.0	4.0					4.0	4.0		4.0	4.0
Lane Util. Factor		1.00	1.00					0.91	0.88		0.91	1.00
Frpb, ped/bikes		1.00	1.00					1.00	0.93		1.00	0.95
Flpb, ped/bikes		1.00	1.00					1.00	1.00		1.00	1.00
Frt		1.00	0.85					1.00	0.85		1.00	0.85
Flt Protected		0.95	1.00					1.00	1.00		1.00	1.00
Satd. Flow (prot)		1641	1468					4715	2397		4715	1394
Flt Permitted		0.95	1.00					1.00	1.00		1.00	1.00
Satd. Flow (perm)		1641	1468					4715	2397		4715	1394
Peak-hour factor, PHF	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj. Flow (vph)	60	0	680	0	0	0	0	1660	870	0	1690	370
RTOR Reduction (vph)	0	0	0	0	0	0	0	0	102	0	0	43
Lane Group Flow (vph)	0	60	680	0	0	0	0	1660	769	0	1690	327
Confl. Peds. (#/hr)									10			10
Heavy Vehicles (%)	10%	10%	10%	10%	10%	10%	10%	10%	10%	10%	10%	10%
Turn Type	Split		Free						Perm			Perm
Protected Phases	4	4						2			6	
Permitted Phases			Free						2			6
Actuated Green, G (s)		9.5	150.0					132.5	132.5		132.5	132.5
Effective Green, g (s)		9.5	150.0					132.5	132.5		132.5	132.5
Actuated g/C Ratio		0.06	1.00					0.88	0.88		0.88	0.88
Clearance Time (s)		4.0						4.0	4.0		4.0	4.0
Vehicle Extension (s)		3.0						3.0	3.0		3.0	3.0
Lane Grp Cap (vph)		104	1468					4165	2117		4165	1231
v/s Ratio Prot		0.04						0.35			0.36	
v/s Ratio Perm			c0.46						0.32			0.23
v/c Ratio		0.58	0.46					0.40	0.36		0.41	0.27
Uniform Delay, d1		68.3	0.0					1.6	1.5		1.6	1.3
Progression Factor		1.00	1.00					0.32	6.96		0.44	0.23
Incremental Delay, d2		7.5	1.1					0.3	0.4		0.2	0.4
Delay (s)		75.8	1.1					0.8	10.9		0.9	0.7
Level of Service		E	A					A	B		A	A
Approach Delay (s)		7.1			0.0			4.2			0.9	
Approach LOS		A			A			A			A	

Intersection Summary			
HCM Average Control Delay	3.4	HCM Level of Service	A
HCM Volume to Capacity ratio	0.46		
Actuated Cycle Length (s)	150.0	Sum of lost time (s)	0.0
Intersection Capacity Utilization	42.7%	ICU Level of Service	A
Analysis Period (min)	15		
c Critical Lane Group			



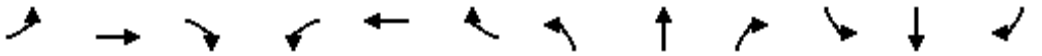
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Volume (vph)	440	40	60	30	60	430	90	1660	30	550	1250	620
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Total Lost time (s)	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lane Util. Factor	0.94	1.00	1.00	1.00	1.00	1.00	0.97	0.86	1.00	0.97	0.91	0.88
Frpb, ped/bikes	1.00	1.00	0.99	1.00	1.00	0.99	1.00	1.00	0.98	1.00	1.00	0.99
Flpb, ped/bikes	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Frt	1.00	1.00	0.85	1.00	1.00	0.85	1.00	1.00	0.85	1.00	1.00	0.85
Flt Protected	0.95	1.00	1.00	0.95	1.00	1.00	0.95	1.00	1.00	0.95	1.00	1.00
Satd. Flow (prot)	4627	1727	1446	1641	1727	1446	3183	5942	1438	3183	4715	2545
Flt Permitted	0.95	1.00	1.00	0.95	1.00	1.00	0.95	1.00	1.00	0.95	1.00	1.00
Satd. Flow (perm)	4627	1727	1446	1641	1727	1446	3183	5942	1438	3183	4715	2545
Peak-hour factor, PHF	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj. Flow (vph)	440	40	60	30	60	430	90	1660	30	550	1250	620
RTOR Reduction (vph)	0	0	0	0	0	0	0	0	11	0	0	0
Lane Group Flow (vph)	440	40	60	30	60	430	90	1660	19	550	1250	620
Confl. Peds. (#/hr)			10			10			10			10
Heavy Vehicles (%)	10%	10%	10%	10%	10%	10%	10%	10%	10%	10%	10%	10%
Turn Type	Split		Free	Split		Free	Prot		pm+ov	Prot		Free
Protected Phases	4	4		8	8		5	2	8	1	6	
Permitted Phases			Free			Free			2			Free
Actuated Green, G (s)	22.4	22.4	150.0	13.8	13.8	150.0	6.0	75.8	89.6	22.0	91.8	150.0
Effective Green, g (s)	22.4	22.4	150.0	13.8	13.8	150.0	6.0	75.8	89.6	22.0	91.8	150.0
Actuated g/C Ratio	0.15	0.15	1.00	0.09	0.09	1.00	0.04	0.51	0.60	0.15	0.61	1.00
Clearance Time (s)	4.0	4.0		4.0	4.0		4.0	4.0	4.0	4.0	4.0	
Vehicle Extension (s)	3.0	3.0		3.0	3.0		3.0	3.0	3.0	3.0	3.0	
Lane Grp Cap (vph)	691	258	1446	151	159	1446	127	3003	859	467	2886	2545
v/s Ratio Prot	c0.10	0.02		0.02	0.03		0.03	c0.28	0.00	c0.17	0.27	
v/s Ratio Perm			0.04			c0.30			0.01			0.24
v/c Ratio	0.64	0.16	0.04	0.20	0.38	0.30	0.71	0.55	0.02	1.18	0.43	0.24
Uniform Delay, d1	60.0	55.6	0.0	63.0	64.1	0.0	71.1	25.5	12.3	64.0	15.4	0.0
Progression Factor	1.00	1.00	1.00	1.00	1.00	1.00	0.81	1.08	1.26	1.13	0.70	1.00
Incremental Delay, d2	1.9	0.3	0.1	0.6	1.5	0.5	12.4	0.5	0.0	99.1	0.4	0.2
Delay (s)	61.9	55.8	0.1	63.6	65.6	0.5	69.8	27.9	15.5	171.7	11.1	0.2
Level of Service	E	E	A	E	E	A	E	C	B	F	B	A
Approach Delay (s)		54.6			11.7			29.9			44.8	
Approach LOS		D			B			C			D	

Intersection Summary			
HCM Average Control Delay	37.5	HCM Level of Service	D
HCM Volume to Capacity ratio	0.63		
Actuated Cycle Length (s)	150.0	Sum of lost time (s)	12.0
Intersection Capacity Utilization	69.3%	ICU Level of Service	C
Analysis Period (min)	15		
c Critical Lane Group			



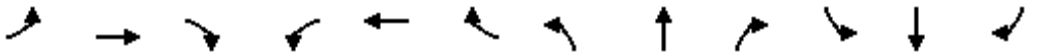
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Volume (vph)	70	660	610	850	830	50	790	230	610	120	120	160
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Total Lost time (s)	5.0	5.0	4.0	5.0	5.0	5.0	5.0	5.0	4.0	5.0	5.0	5.0
Lane Util. Factor	1.00	0.91	1.00	0.97	0.91	1.00	0.97	0.95	1.00	0.97	0.95	1.00
Frpb, ped/bikes	1.00	1.00	0.99	1.00	1.00	0.98	1.00	1.00	0.99	1.00	1.00	0.98
Flpb, ped/bikes	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Frt	1.00	1.00	0.85	1.00	1.00	0.85	1.00	1.00	0.85	1.00	1.00	0.85
Flt Protected	0.95	1.00	1.00	0.95	1.00	1.00	0.95	1.00	1.00	0.95	1.00	1.00
Satd. Flow (prot)	1770	5085	1560	3433	5085	1544	3433	3539	1560	3433	3539	1544
Flt Permitted	0.95	1.00	1.00	0.95	1.00	1.00	0.95	1.00	1.00	0.95	1.00	1.00
Satd. Flow (perm)	1770	5085	1560	3433	5085	1544	3433	3539	1560	3433	3539	1544
Peak-hour factor, PHF	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj. Flow (vph)	70	660	610	850	830	50	790	230	610	120	120	160
RTOR Reduction (vph)	0	0	0	0	0	25	0	0	0	0	0	144
Lane Group Flow (vph)	70	660	610	850	830	25	790	230	610	120	120	16
Confl. Peds. (#/hr)			10			10			10			10
Heavy Vehicles (%)	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%
Turn Type	Prot		Free	Prot		Perm	Prot		Free	Prot		Perm
Protected Phases	5	2		1	6		7	4		3	8	
Permitted Phases			Free			6			Free			8
Actuated Green, G (s)	8.9	51.4	150.0	33.0	75.5	75.5	31.0	20.1	150.0	25.5	14.6	14.6
Effective Green, g (s)	8.9	51.4	150.0	33.0	75.5	75.5	31.0	20.1	150.0	25.5	14.6	14.6
Actuated g/C Ratio	0.06	0.34	1.00	0.22	0.50	0.50	0.21	0.13	1.00	0.17	0.10	0.10
Clearance Time (s)	5.0	5.0		5.0	5.0	5.0	5.0	5.0		5.0	5.0	5.0
Vehicle Extension (s)	3.0	3.0		3.0	3.0	3.0	3.0	3.0		3.0	3.0	3.0
Lane Grp Cap (vph)	105	1742	1560	755	2559	777	709	474	1560	584	344	150
v/s Ratio Prot	0.04	0.13		c0.25	0.16		c0.23	c0.06		0.03	0.03	
v/s Ratio Perm			0.39			0.02			c0.39			0.01
v/c Ratio	0.67	0.38	0.39	1.13	0.32	0.03	1.11	0.49	0.39	0.21	0.35	0.10
Uniform Delay, d1	69.1	37.2	0.0	58.5	22.1	18.8	59.5	60.2	0.0	53.5	63.3	61.7
Progression Factor	1.26	0.41	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Incremental Delay, d2	13.9	0.6	0.7	73.1	0.3	0.1	69.7	0.8	0.7	0.2	0.6	0.3
Delay (s)	101.3	16.0	0.7	131.6	22.4	18.9	129.2	60.9	0.7	53.7	63.9	62.0
Level of Service	F	B	A	F	C	B	F	E	A	D	E	E
Approach Delay (s)		13.5			76.0			71.5			60.1	
Approach LOS		B			E			E			E	

Intersection Summary			
HCM Average Control Delay	56.9	HCM Level of Service	E
HCM Volume to Capacity ratio	0.76		
Actuated Cycle Length (s)	150.0	Sum of lost time (s)	15.0
Intersection Capacity Utilization	100.9%	ICU Level of Service	G
Analysis Period (min)	15		
c Critical Lane Group			



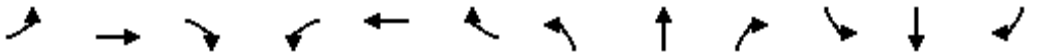
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Volume (vph)	30	120	40	200	480	250	80	1720	110	80	1220	110
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Total Lost time (s)	4.0	4.0		4.0	4.0		4.0	4.0	4.0	4.0	4.0	4.0
Lane Util. Factor	1.00	0.95		1.00	0.95		1.00	0.91	1.00	1.00	0.91	1.00
Frpb, ped/bikes	1.00	0.99		1.00	0.99		1.00	1.00	0.98	1.00	1.00	0.98
Flpb, ped/bikes	1.00	1.00		1.00	1.00		1.00	1.00	1.00	1.00	1.00	1.00
Frt	1.00	0.96		1.00	0.95		1.00	1.00	0.85	1.00	1.00	0.85
Flt Protected	0.95	1.00		0.95	1.00		0.95	1.00	1.00	0.95	1.00	1.00
Satd. Flow (prot)	1770	3389		1770	3333		1770	5085	1555	1770	5085	1549
Flt Permitted	0.95	1.00		0.95	1.00		0.95	1.00	1.00	0.95	1.00	1.00
Satd. Flow (perm)	1770	3389		1770	3333		1770	5085	1555	1770	5085	1549
Peak-hour factor, PHF	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj. Flow (vph)	30	120	40	200	480	250	80	1720	110	80	1220	110
RTOR Reduction (vph)	0	29	0	0	59	0	0	0	36	0	0	54
Lane Group Flow (vph)	30	131	0	200	671	0	80	1720	74	80	1220	56
Confl. Peds. (#/hr)			10			10			10			10
Heavy Vehicles (%)	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%
Turn Type	Prot			Prot			Prot		pm+ov	Prot		pm+ov
Protected Phases	7	4		3	8		5	2	3	1	6	7
Permitted Phases									2			6
Actuated Green, G (s)	7.1	19.9		16.4	29.2		6.7	45.1	61.5	7.2	45.6	52.7
Effective Green, g (s)	7.1	19.9		16.4	29.2		6.7	45.1	61.5	7.2	45.6	52.7
Actuated g/C Ratio	0.07	0.19		0.16	0.28		0.06	0.43	0.59	0.07	0.44	0.50
Clearance Time (s)	4.0	4.0		4.0	4.0		4.0	4.0	4.0	4.0	4.0	4.0
Vehicle Extension (s)	3.0	3.0		3.0	3.0		3.0	3.0	3.0	3.0	3.0	3.0
Lane Grp Cap (vph)	120	645		278	930		113	2192	974	122	2217	840
v/s Ratio Prot	0.02	0.04		c0.11	c0.20		c0.05	c0.34	0.01	0.05	0.24	0.00
v/s Ratio Perm									0.04			0.03
v/c Ratio	0.25	0.20		0.72	0.72		0.71	0.78	0.08	0.66	0.55	0.07
Uniform Delay, d1	46.2	35.7		41.9	34.0		48.0	25.6	9.3	47.5	21.9	13.3
Progression Factor	1.00	1.00		1.00	1.00		1.00	1.00	1.00	1.00	1.00	1.00
Incremental Delay, d2	1.1	0.2		8.6	2.8		18.3	1.9	0.0	12.0	0.3	0.0
Delay (s)	47.3	35.8		50.5	36.8		66.3	27.5	9.3	59.5	22.2	13.4
Level of Service	D	D		D	D		E	C	A	E	C	B
Approach Delay (s)		37.6			39.8			28.1			23.6	
Approach LOS		D			D			C			C	

Intersection Summary			
HCM Average Control Delay	29.5	HCM Level of Service	C
HCM Volume to Capacity ratio	0.74		
Actuated Cycle Length (s)	104.6	Sum of lost time (s)	12.0
Intersection Capacity Utilization	77.9%	ICU Level of Service	D
Analysis Period (min)	15		
c Critical Lane Group			



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Volume (vph)	60	10	100	10	10	10	370	1770	10	10	1170	150
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Total Lost time (s)		4.0	4.0		4.0		4.0	4.0	4.0	4.0	4.0	4.0
Lane Util. Factor		1.00	1.00		1.00		1.00	0.91	1.00	1.00	0.91	1.00
Frpb, ped/bikes		1.00	0.99		1.00		1.00	1.00	1.00	1.00	1.00	0.96
Flpb, ped/bikes		1.00	1.00		1.00		1.00	1.00	1.00	1.00	1.00	1.00
Frt		1.00	0.85		0.95		1.00	1.00	0.85	1.00	1.00	0.85
Flt Protected		0.96	1.00		0.98		0.95	1.00	1.00	0.95	1.00	1.00
Satd. Flow (prot)		1770	1545		1733		1752	5036	1568	1752	5036	1505
Flt Permitted		0.74	1.00		0.91		0.95	1.00	1.00	0.95	1.00	1.00
Satd. Flow (perm)		1357	1545		1595		1752	5036	1568	1752	5036	1505
Peak-hour factor, PHF	1.00	0.95	1.00	0.95	0.95	0.95	1.00	1.00	0.95	0.95	1.00	1.00
Adj. Flow (vph)	60	11	100	11	11	11	370	1770	11	11	1170	150
RTOR Reduction (vph)	0	0	0	0	9	0	0	0	4	0	0	91
Lane Group Flow (vph)	0	71	100	0	24	0	370	1770	7	11	1170	59
Confl. Peds. (#/hr)			10									10
Heavy Vehicles (%)	3%	3%	3%	3%	3%	3%	3%	3%	3%	3%	3%	3%
Turn Type	Perm		Free	Perm			Prot		Perm	Prot		Perm
Protected Phases		4			8		5	2		1	6	
Permitted Phases	4		Free	8					2			6
Actuated Green, G (s)		9.9	70.1		9.9		20.4	47.4	47.4	0.8	27.8	27.8
Effective Green, g (s)		9.9	70.1		9.9		20.4	47.4	47.4	0.8	27.8	27.8
Actuated g/C Ratio		0.14	1.00		0.14		0.29	0.68	0.68	0.01	0.40	0.40
Clearance Time (s)		4.0			4.0		4.0	4.0	4.0	4.0	4.0	4.0
Vehicle Extension (s)		3.0			3.0		3.0	3.0	3.0	3.0	3.0	3.0
Lane Grp Cap (vph)		192	1545		225		510	3405	1060	20	1997	597
v/s Ratio Prot							c0.21	0.35		0.01	c0.23	
v/s Ratio Perm		c0.05	0.06		0.01				0.00			0.04
v/c Ratio		0.37	0.06		0.10		0.73	0.52	0.01	0.55	0.59	0.10
Uniform Delay, d1		27.3	0.0		26.2		22.3	5.7	3.7	34.5	16.6	13.3
Progression Factor		1.00	1.00		1.00		1.00	1.00	1.00	1.00	1.00	1.00
Incremental Delay, d2		1.2	0.1		0.2		5.1	0.1	0.0	28.9	0.4	0.1
Delay (s)		28.5	0.1		26.4		27.4	5.8	3.7	63.4	17.1	13.4
Level of Service		C	A		C		C	A	A	E	B	B
Approach Delay (s)		11.9			26.4			9.5			17.0	
Approach LOS		B			C			A			B	

Intersection Summary			
HCM Average Control Delay	12.5	HCM Level of Service	B
HCM Volume to Capacity ratio	0.60		
Actuated Cycle Length (s)	70.1	Sum of lost time (s)	12.0
Intersection Capacity Utilization	67.3%	ICU Level of Service	C
Analysis Period (min)	15		
c Critical Lane Group			



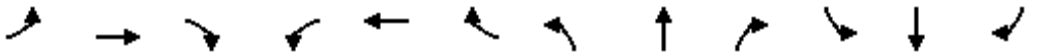
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Volume (vph)	30	40	30	100	230	240	40	2350	30	140	1190	30
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Total Lost time (s)	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lane Util. Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.91	1.00	1.00	0.91	1.00
Frpb, ped/bikes	1.00	1.00	0.98	1.00	1.00	0.98	1.00	1.00	0.96	1.00	1.00	0.96
Flpb, ped/bikes	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Frt	1.00	1.00	0.85	1.00	1.00	0.85	1.00	1.00	0.85	1.00	1.00	0.85
Flt Protected	0.95	1.00	1.00	0.95	1.00	1.00	0.95	1.00	1.00	0.95	1.00	1.00
Satd. Flow (prot)	1641	1727	1440	1641	1727	1440	1641	4715	1414	1641	4715	1411
Flt Permitted	0.43	1.00	1.00	0.73	1.00	1.00	0.95	1.00	1.00	0.95	1.00	1.00
Satd. Flow (perm)	743	1727	1440	1263	1727	1440	1641	4715	1414	1641	4715	1411
Peak-hour factor, PHF	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj. Flow (vph)	30	40	30	100	230	240	40	2350	30	140	1190	30
RTOR Reduction (vph)	0	0	23	0	0	122	0	0	9	0	0	12
Lane Group Flow (vph)	30	40	7	100	230	118	40	2350	21	140	1190	18
Confl. Peds. (#/hr)			10			10			10			10
Heavy Vehicles (%)	10%	10%	10%	10%	10%	10%	10%	10%	10%	10%	10%	10%
Turn Type	Perm		Perm	Perm		Perm	Prot		Perm	Prot		Perm
Protected Phases		4			8		5	2		1	6	
Permitted Phases	4		4	8		8			2			6
Actuated Green, G (s)	18.0	18.0	18.0	18.0	18.0	18.0	4.0	44.2	44.2	8.1	48.3	48.3
Effective Green, g (s)	18.0	18.0	18.0	18.0	18.0	18.0	4.0	44.2	44.2	8.1	48.3	48.3
Actuated g/C Ratio	0.22	0.22	0.22	0.22	0.22	0.22	0.05	0.54	0.54	0.10	0.59	0.59
Clearance Time (s)	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Vehicle Extension (s)	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
Lane Grp Cap (vph)	163	378	315	276	378	315	80	2532	759	162	2767	828
v/s Ratio Prot		0.02			c0.13		0.02	c0.50		c0.09	0.25	
v/s Ratio Perm	0.04		0.00	0.08		0.08			0.01			0.01
v/c Ratio	0.18	0.11	0.02	0.36	0.61	0.37	0.50	0.93	0.03	0.86	0.43	0.02
Uniform Delay, d1	26.2	25.7	25.2	27.3	29.0	27.4	38.2	17.6	9.0	36.6	9.4	7.1
Progression Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Incremental Delay, d2	0.5	0.1	0.0	0.8	2.8	0.8	4.8	6.6	0.0	34.9	0.1	0.0
Delay (s)	26.7	25.8	25.3	28.1	31.7	28.1	43.0	24.2	9.0	71.5	9.5	7.1
Level of Service	C	C	C	C	C	C	D	C	A	E	A	A
Approach Delay (s)		25.9			29.6			24.3			15.8	
Approach LOS		C			C			C			B	

Intersection Summary			
HCM Average Control Delay	22.4	HCM Level of Service	C
HCM Volume to Capacity ratio	0.84		
Actuated Cycle Length (s)	82.3	Sum of lost time (s)	12.0
Intersection Capacity Utilization	86.5%	ICU Level of Service	E
Analysis Period (min)	15		
c Critical Lane Group			



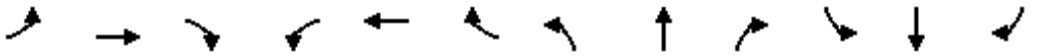
Movement	WBL	WBR	NBT	NBR	SBL	SBT
Lane Configurations						
Volume (vph)	200	440	1530	170	270	980
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900
Total Lost time (s)	4.0	4.0	4.0	4.0	4.0	4.0
Lane Util. Factor	1.00	1.00	0.91	1.00	0.94	0.91
Frpb, ped/bikes	1.00	1.00	1.00	0.98	1.00	1.00
Flpb, ped/bikes	1.00	1.00	1.00	1.00	1.00	1.00
Frt	1.00	0.85	1.00	0.85	1.00	1.00
Flt Protected	0.95	1.00	1.00	1.00	0.95	1.00
Satd. Flow (prot)	1641	1468	4715	1439	4627	4715
Flt Permitted	0.95	1.00	1.00	1.00	0.95	1.00
Satd. Flow (perm)	1641	1468	4715	1439	4627	4715
Peak-hour factor, PHF	1.00	1.00	1.00	1.00	1.00	1.00
Adj. Flow (vph)	200	440	1530	170	270	980
RTOR Reduction (vph)	0	372	0	93	0	0
Lane Group Flow (vph)	200	68	1530	77	270	980
Confl. Peds. (#/hr)		10		10		
Heavy Vehicles (%)	10%	10%	10%	10%	10%	10%
Turn Type		Over		Perm	Prot	
Protected Phases	8	1	2		1	6
Permitted Phases				2		
Actuated Green, G (s)	15.1	10.3	29.5	29.5	10.3	43.8
Effective Green, g (s)	15.1	10.3	29.5	29.5	10.3	43.8
Actuated g/C Ratio	0.23	0.15	0.44	0.44	0.15	0.65
Clearance Time (s)	4.0	4.0	4.0	4.0	4.0	4.0
Vehicle Extension (s)	3.0	3.0	3.0	3.0	3.0	3.0
Lane Grp Cap (vph)	370	226	2079	635	712	3087
v/s Ratio Prot	c0.12	0.05	c0.32		c0.06	0.21
v/s Ratio Perm				0.05		
v/c Ratio	0.54	0.30	0.74	0.12	0.38	0.32
Uniform Delay, d1	22.8	25.1	15.5	11.0	25.4	5.0
Progression Factor	1.00	1.00	1.00	1.00	1.00	1.00
Incremental Delay, d2	1.6	0.7	1.4	0.1	0.3	0.1
Delay (s)	24.5	25.8	16.9	11.1	25.8	5.1
Level of Service	C	C	B	B	C	A
Approach Delay (s)	25.4		16.3			9.6
Approach LOS	C		B			A

Intersection Summary			
HCM Average Control Delay	15.6	HCM Level of Service	B
HCM Volume to Capacity ratio	0.62		
Actuated Cycle Length (s)	66.9	Sum of lost time (s)	12.0
Intersection Capacity Utilization	64.5%	ICU Level of Service	C
Analysis Period (min)	15		
c Critical Lane Group			



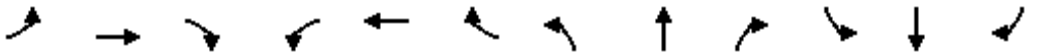
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Volume (vph)	0	0	0	10	0	270	110	880	0	0	430	230
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Total Lost time (s)					4.0	4.0	4.0	4.0			4.0	4.0
Lane Util. Factor					1.00	1.00	1.00	0.95			0.95	1.00
Frpb, ped/bikes					1.00	1.00	1.00	1.00			1.00	0.97
Flpb, ped/bikes					1.00	1.00	1.00	1.00			1.00	1.00
Frt					1.00	0.85	1.00	1.00			1.00	0.85
Flt Protected					0.95	1.00	0.95	1.00			1.00	1.00
Satd. Flow (prot)					1752	1568	1752	3505			3505	1517
Flt Permitted					0.95	1.00	0.95	1.00			1.00	1.00
Satd. Flow (perm)					1752	1568	1752	3505			3505	1517
Peak-hour factor, PHF	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
Adj. Flow (vph)	0	0	0	11	0	284	116	926	0	0	453	242
RTOR Reduction (vph)	0	0	0	0	0	142	0	0	0	0	0	105
Lane Group Flow (vph)	0	0	0	0	11	142	116	926	0	0	453	137
Confl. Peds. (#/hr)									5			5
Heavy Vehicles (%)	3%	3%	3%	3%	3%	3%	3%	3%	3%	3%	3%	3%
Turn Type				Split		Perm	Prot					Perm
Protected Phases				8	8		5	2			6	
Permitted Phases						8						6
Actuated Green, G (s)					10.9	10.9	7.6	51.1			39.5	39.5
Effective Green, g (s)					10.9	10.9	7.6	51.1			39.5	39.5
Actuated g/C Ratio					0.16	0.16	0.11	0.73			0.56	0.56
Clearance Time (s)					4.0	4.0	4.0	4.0			4.0	4.0
Vehicle Extension (s)					3.0	3.0	3.0	3.0			3.0	3.0
Lane Grp Cap (vph)					273	244	190	2559			1978	856
v/s Ratio Prot					0.01		c0.07	c0.26			0.13	
v/s Ratio Perm						c0.09						0.09
v/c Ratio					0.04	0.58	0.61	0.36			0.23	0.16
Uniform Delay, d1					25.1	27.4	29.8	3.5			7.6	7.3
Progression Factor					1.00	1.00	1.25	0.18			1.00	1.00
Incremental Delay, d2					0.1	3.5	5.4	0.4			0.3	0.4
Delay (s)					25.2	31.0	42.7	1.0			7.9	7.7
Level of Service					C	C	D	A			A	A
Approach Delay (s)		0.0			30.7			5.6			7.8	
Approach LOS		A			C			A			A	

Intersection Summary			
HCM Average Control Delay	10.0	HCM Level of Service	B
HCM Volume to Capacity ratio	0.42		
Actuated Cycle Length (s)	70.0	Sum of lost time (s)	8.0
Intersection Capacity Utilization	47.7%	ICU Level of Service	A
Analysis Period (min)	15		
c Critical Lane Group			



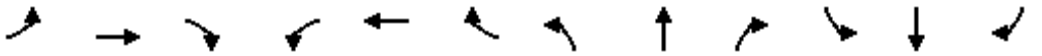
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Volume (vph)	100	0	50	0	0	0	0	890	10	100	340	0
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Total Lost time (s)	4.0	4.0	4.0					4.0		4.0	4.0	
Lane Util. Factor	0.95	0.95	1.00					0.95		1.00	0.95	
Frpb, ped/bikes	1.00	1.00	1.00					1.00		1.00	1.00	
Flpb, ped/bikes	1.00	1.00	1.00					1.00		1.00	1.00	
Frt	1.00	1.00	0.85					1.00		1.00	1.00	
Flt Protected	0.95	0.95	1.00					1.00		0.95	1.00	
Satd. Flow (prot)	1665	1665	1568					3497		1752	3505	
Flt Permitted	0.95	0.95	1.00					1.00		0.95	1.00	
Satd. Flow (perm)	1665	1665	1568					3497		1752	3505	
Peak-hour factor, PHF	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
Adj. Flow (vph)	105	0	53	0	0	0	0	937	11	105	358	0
RTOR Reduction (vph)	0	0	48	0	0	0	0	1	0	0	0	0
Lane Group Flow (vph)	52	53	5	0	0	0	0	947	0	105	358	0
Confl. Peds. (#/hr)									5			5
Heavy Vehicles (%)	3%	3%	3%	3%	3%	3%	3%	3%	3%	3%	3%	3%
Turn Type	Perm		Perm							Prot		
Protected Phases		4						2		1	6	
Permitted Phases	4		4									
Actuated Green, G (s)	6.6	6.6	6.6					43.1		8.3	55.4	
Effective Green, g (s)	6.6	6.6	6.6					43.1		8.3	55.4	
Actuated g/C Ratio	0.09	0.09	0.09					0.62		0.12	0.79	
Clearance Time (s)	4.0	4.0	4.0					4.0		4.0	4.0	
Vehicle Extension (s)	3.0	3.0	3.0					3.0		3.0	3.0	
Lane Grp Cap (vph)	157	157	148					2153		208	2774	
v/s Ratio Prot								c0.27		c0.06	0.10	
v/s Ratio Perm	0.03	0.03	0.00									
v/c Ratio	0.33	0.34	0.03					0.44		0.50	0.13	
Uniform Delay, d1	29.6	29.7	28.8					7.1		28.9	1.7	
Progression Factor	0.85	0.85	0.80					1.00		1.00	0.01	
Incremental Delay, d2	1.2	1.2	0.1					0.7		1.9	0.1	
Delay (s)	26.3	26.4	23.0					7.7		30.9	0.1	
Level of Service	C	C	C					A		C	A	
Approach Delay (s)		25.2			0.0			7.7			7.1	
Approach LOS		C			A			A			A	

Intersection Summary			
HCM Average Control Delay	9.3	HCM Level of Service	A
HCM Volume to Capacity ratio	0.44		
Actuated Cycle Length (s)	70.0	Sum of lost time (s)	12.0
Intersection Capacity Utilization	47.7%	ICU Level of Service	A
Analysis Period (min)	15		
c Critical Lane Group			



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Volume (vph)	430	20	10	10	60	100	10	10	10	150	10	610
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Total Lost time (s)	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0		4.0	4.0	4.0
Lane Util. Factor	0.94	1.00	1.00	1.00	0.95	1.00	1.00	1.00		1.00	1.00	0.88
Frpb, ped/bikes	1.00	1.00	0.96	1.00	1.00	0.98	1.00	0.99		1.00	1.00	0.99
Flpb, ped/bikes	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00		1.00	1.00	1.00
Frt	1.00	1.00	0.85	1.00	1.00	0.85	1.00	0.93		1.00	1.00	0.85
Flt Protected	0.95	1.00	1.00	0.95	1.00	1.00	0.95	1.00		0.95	1.00	1.00
Satd. Flow (prot)	4627	1727	1416	1641	3282	1441	1641	1584		1641	1727	2565
Flt Permitted	0.95	1.00	1.00	0.95	1.00	1.00	0.95	1.00		0.95	1.00	1.00
Satd. Flow (perm)	4627	1727	1416	1641	3282	1441	1641	1584		1641	1727	2565
Peak-hour factor, PHF	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
Adj. Flow (vph)	453	21	11	11	63	105	11	11	11	158	11	642
RTOR Reduction (vph)	0	0	6	0	0	87	0	10	0	0	0	306
Lane Group Flow (vph)	453	21	5	11	63	18	11	12	0	158	11	336
Confl. Peds. (#/hr)			10			10			10			10
Heavy Vehicles (%)	10%	10%	10%	10%	10%	10%	10%	10%	10%	10%	10%	10%
Turn Type	Prot		Perm	Prot		Perm	Prot			Prot		pm+ov
Protected Phases	7	4		3	8		5	2		1	6	7
Permitted Phases			4			8						6
Actuated Green, G (s)	16.3	25.1	25.1	0.6	9.4	9.4	0.6	4.6		8.3	12.3	28.6
Effective Green, g (s)	16.3	25.1	25.1	0.6	9.4	9.4	0.6	4.6		8.3	12.3	28.6
Actuated g/C Ratio	0.30	0.46	0.46	0.01	0.17	0.17	0.01	0.08		0.15	0.23	0.52
Clearance Time (s)	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0		4.0	4.0	4.0
Vehicle Extension (s)	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0		3.0	3.0	3.0
Lane Grp Cap (vph)	1381	794	651	18	565	248	18	133		249	389	1531
v/s Ratio Prot	c0.10	0.01		0.01	c0.02		0.01	0.01		c0.10	0.01	c0.07
v/s Ratio Perm			0.00			0.01						0.07
v/c Ratio	0.33	0.03	0.01	0.61	0.11	0.07	0.61	0.09		0.63	0.03	0.22
Uniform Delay, d1	14.9	8.1	8.0	26.9	19.1	18.9	26.9	23.1		21.7	16.5	7.0
Progression Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00		1.00	1.00	1.00
Incremental Delay, d2	0.1	0.0	0.0	48.7	0.1	0.1	48.7	0.3		5.2	0.0	0.1
Delay (s)	15.0	8.1	8.0	75.6	19.2	19.1	75.6	23.4		26.9	16.5	7.1
Level of Service	B	A	A	E	B	B	E	C		C	B	A
Approach Delay (s)		14.6			22.6			40.8			11.1	
Approach LOS		B			C			D			B	

Intersection Summary			
HCM Average Control Delay	14.2	HCM Level of Service	B
HCM Volume to Capacity ratio	0.30		
Actuated Cycle Length (s)	54.6	Sum of lost time (s)	8.0
Intersection Capacity Utilization	43.8%	ICU Level of Service	A
Analysis Period (min)	15		
c Critical Lane Group			



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Volume (vph)	80	10	90	100	200	30	630	1340	30	40	1390	600
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Total Lost time (s)	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lane Util. Factor	0.97	1.00	1.00	1.00	1.00	1.00	0.97	0.91	1.00	1.00	0.91	1.00
Frpb, ped/bikes	1.00	1.00	0.99	1.00	1.00	0.98	1.00	1.00	0.96	1.00	1.00	0.99
Flpb, ped/bikes	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Frt	1.00	1.00	0.85	1.00	1.00	0.85	1.00	1.00	0.85	1.00	1.00	0.85
Flt Protected	0.95	1.00	1.00	0.95	1.00	1.00	0.95	1.00	1.00	0.95	1.00	1.00
Satd. Flow (prot)	3433	1863	1560	1770	1863	1553	3433	5085	1522	1770	5085	1560
Flt Permitted	0.95	1.00	1.00	0.95	1.00	1.00	0.95	1.00	1.00	0.95	1.00	1.00
Satd. Flow (perm)	3433	1863	1560	1770	1863	1553	3433	5085	1522	1770	5085	1560
Peak-hour factor, PHF	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj. Flow (vph)	80	10	90	100	200	30	630	1340	30	40	1390	600
RTOR Reduction (vph)	0	0	0	0	0	23	0	0	14	0	0	0
Lane Group Flow (vph)	80	10	90	100	200	7	630	1340	16	40	1390	600
Confl. Peds. (#/hr)			10			10			10			10
Heavy Vehicles (%)	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%
Turn Type	Prot		Free	Prot		Perm	Prot		Perm	Prot		Free
Protected Phases	7	4		3	8		5	2		1	6	
Permitted Phases			Free			8			2			Free
Actuated Green, G (s)	4.5	8.5	80.7	14.3	18.3	18.3	11.7	37.4	37.4	4.5	30.2	80.7
Effective Green, g (s)	4.5	8.5	80.7	14.3	18.3	18.3	11.7	37.4	37.4	4.5	30.2	80.7
Actuated g/C Ratio	0.06	0.11	1.00	0.18	0.23	0.23	0.14	0.46	0.46	0.06	0.37	1.00
Clearance Time (s)	4.0	4.0		4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	
Vehicle Extension (s)	3.0	3.0		3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	
Lane Grp Cap (vph)	191	196	1560	314	422	352	498	2357	705	99	1903	1560
v/s Ratio Prot	0.02	0.01		0.06	c0.11		c0.18	0.26		0.02	c0.27	
v/s Ratio Perm			0.06			0.00			0.01			c0.38
v/c Ratio	0.42	0.05	0.06	0.32	0.47	0.02	1.27	0.57	0.02	0.40	0.73	0.38
Uniform Delay, d1	36.8	32.5	0.0	29.0	27.0	24.2	34.5	15.8	11.7	36.8	21.7	0.0
Progression Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Incremental Delay, d2	1.5	0.1	0.1	0.6	0.8	0.0	134.6	0.3	0.0	2.7	1.5	0.7
Delay (s)	38.3	32.6	0.1	29.5	27.9	24.3	169.1	16.1	11.7	39.5	23.2	0.7
Level of Service	D	C	A	C	C	C	F	B	B	D	C	A
Approach Delay (s)		18.9			28.0			64.2			16.9	
Approach LOS		B			C			E			B	

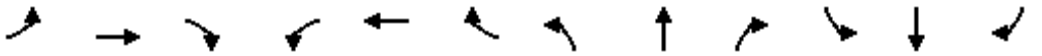
Intersection Summary			
HCM Average Control Delay	38.6	HCM Level of Service	D
HCM Volume to Capacity ratio	0.68		
Actuated Cycle Length (s)	80.7	Sum of lost time (s)	8.0
Intersection Capacity Utilization	77.1%	ICU Level of Service	D
Analysis Period (min)	15		
c Critical Lane Group			



Movement	WBL	WBR	NBT	NBR	SBL	SBT
Lane Configurations						
Volume (veh/h)	100	200	1930	270	70	1210
Sign Control	Stop		Free			Free
Grade	0%		0%			0%
Peak Hour Factor	1.00	1.00	1.00	1.00	1.00	1.00
Hourly flow rate (vph)	100	200	1930	270	70	1210
Pedestrians						
Lane Width (ft)						
Walking Speed (ft/s)						
Percent Blockage						
Right turn flare (veh)						
Median type			None			None
Median storage veh)						
Upstream signal (ft)						
pX, platoon unblocked						
vC, conflicting volume	2675	965			2200	
vC1, stage 1 conf vol						
vC2, stage 2 conf vol						
vCu, unblocked vol	2675	965			2200	
tC, single (s)	7.0	7.1			4.3	
tC, 2 stage (s)						
tF (s)	3.6	3.4			2.3	
p0 queue free %	0	18			68	
cM capacity (veh/h)	11	244			217	

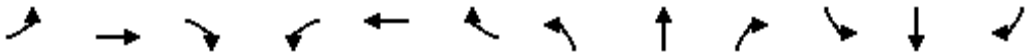
Direction, Lane #	WB 1	NB 1	NB 2	NB 3	SB 1	SB 2	SB 3
Volume Total	300	965	965	270	70	605	605
Volume Left	100	0	0	0	70	0	0
Volume Right	200	0	0	270	0	0	0
cSH	30	1700	1700	1700	217	1700	1700
Volume to Capacity	9.87	0.57	0.57	0.16	0.32	0.36	0.36
Queue Length 95th (ft)	Err	0	0	0	33	0	0
Control Delay (s)	Err	0.0	0.0	0.0	29.4	0.0	0.0
Lane LOS	F				D		
Approach Delay (s)	Err	0.0			1.6		
Approach LOS	F						

Intersection Summary			
Average Delay	794.1		
Intersection Capacity Utilization	82.7%	ICU Level of Service	E
Analysis Period (min)	15		



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Volume (vph)	0	0	0	260	0	1830	240	800	0	0	2240	160
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Total Lost time (s)					4.0	4.0	4.0	4.0			4.0	2.3
Lane Util. Factor					1.00	0.88	1.00	0.95			0.91	1.00
Frpb, ped/bikes					1.00	1.00	1.00	1.00			1.00	0.99
Flpb, ped/bikes					1.00	1.00	1.00	1.00			1.00	1.00
Frt					1.00	0.85	1.00	1.00			1.00	0.85
Flt Protected					0.95	1.00	0.95	1.00			1.00	1.00
Satd. Flow (prot)					1719	2707	1719	3438			4940	1519
Flt Permitted					0.95	1.00	0.95	1.00			1.00	1.00
Satd. Flow (perm)					1719	2707	1719	3438			4940	1519
Peak-hour factor, PHF	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj. Flow (vph)	0	0	0	260	0	1830	240	800	0	0	2240	160
RTOR Reduction (vph)	0	0	0	0	0	215	0	0	0	0	0	0
Lane Group Flow (vph)	0	0	0	0	260	1615	240	800	0	0	2240	160
Confl. Peds. (#/hr)									10			
Confl. Bikes (#/hr)												2
Turn Type				Split		Perm	Prot					Free
Protected Phases				8	8		5	2			6	
Permitted Phases						8						Free
Actuated Green, G (s)					49.9	49.9	26.0	89.3			58.8	150.0
Effective Green, g (s)					51.0	51.0	26.5	91.0			60.5	150.0
Actuated g/C Ratio					0.34	0.34	0.18	0.61			0.40	1.00
Clearance Time (s)					5.1	5.1	4.5	5.7			5.7	
Vehicle Extension (s)					2.3	2.3	4.0	4.0			4.0	
Lane Grp Cap (vph)					584	920	304	2086			1992	1519
v/s Ratio Prot					0.15		c0.14	0.23			c0.45	
v/s Ratio Perm						c0.60						0.11
v/c Ratio					0.45	1.76	0.79	0.38			1.12	0.11
Uniform Delay, d1					38.5	49.5	59.1	15.1			44.8	0.0
Progression Factor					1.00	1.00	0.88	1.04			1.00	1.00
Incremental Delay, d2					0.3	344.4	13.0	0.5			63.3	0.1
Delay (s)					38.8	393.9	65.0	16.3			108.0	0.1
Level of Service					D	F	E	B			F	A
Approach Delay (s)		0.0			349.7			27.5			100.8	
Approach LOS		A			F			C			F	

Intersection Summary			
HCM Average Control Delay	181.1	HCM Level of Service	F
HCM Volume to Capacity ratio	1.29		
Actuated Cycle Length (s)	150.0	Sum of lost time (s)	12.0
Intersection Capacity Utilization	92.8%	ICU Level of Service	F
Analysis Period (min)	15		
c Critical Lane Group			



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Volume (vph)	340	0	100	0	0	0	0	700	560	0	680	0
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Total Lost time (s)	5.1	5.1	5.1					5.7	5.7		5.7	
Lane Util. Factor	0.95	0.95	1.00					0.95	1.00		0.95	
Frpb, ped/bikes	1.00	1.00	1.00					1.00	0.95		1.00	
Flpb, ped/bikes	1.00	1.00	1.00					1.00	1.00		1.00	
Frt	1.00	1.00	0.85					1.00	0.85		1.00	
Flt Protected	0.95	0.95	1.00					1.00	1.00		1.00	
Satd. Flow (prot)	1633	1633	1538					3438	1467		3438	
Flt Permitted	0.95	0.95	1.00					1.00	1.00		1.00	
Satd. Flow (perm)	1633	1633	1538					3438	1467		3438	
Peak-hour factor, PHF	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj. Flow (vph)	340	0	100	0	0	0	0	700	560	0	680	0
RTOR Reduction (vph)	0	0	84	0	0	0	0	0	169	0	0	0
Lane Group Flow (vph)	170	170	16	0	0	0	0	700	391	0	680	0
Confl. Peds. (#/hr)									10			
Confl. Bikes (#/hr)												1
Turn Type	Split		Perm						Perm			
Protected Phases	4	4						2			6	
Permitted Phases			4						2			
Actuated Green, G (s)	11.9	11.9	11.9					52.3	52.3		52.3	
Effective Green, g (s)	11.9	11.9	11.9					52.3	52.3		52.3	
Actuated g/C Ratio	0.16	0.16	0.16					0.70	0.70		0.70	
Clearance Time (s)	5.1	5.1	5.1					5.7	5.7		5.7	
Vehicle Extension (s)	1.3	1.3	1.3					4.0	4.0		4.0	
Lane Grp Cap (vph)	259	259	244					2397	1023		2397	
v/s Ratio Prot	c0.10	0.10						0.20			0.20	
v/s Ratio Perm			0.01						c0.27			
v/c Ratio	0.66	0.66	0.07					0.29	0.38		0.28	
Uniform Delay, d1	29.6	29.6	26.8					4.3	4.7		4.3	
Progression Factor	1.00	1.00	1.00					0.69	3.35		1.12	
Incremental Delay, d2	4.5	4.5	0.0					0.3	1.0		0.1	
Delay (s)	34.1	34.1	26.9					3.3	16.7		4.9	
Level of Service	C	C	C					A	B		A	
Approach Delay (s)		32.5			0.0			9.2			4.9	
Approach LOS		C			A			A			A	

Intersection Summary			
HCM Average Control Delay	12.3	HCM Level of Service	B
HCM Volume to Capacity ratio	0.43		
Actuated Cycle Length (s)	75.0	Sum of lost time (s)	10.8
Intersection Capacity Utilization	115.4%	ICU Level of Service	H
Analysis Period (min)	15		
c Critical Lane Group			



Movement	WBL	WBR	NBT	NBR	SBL	SBT
Lane Configurations						
Volume (vph)	80	290	1020	60	250	760
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900
Total Lost time (s)	4.0	4.0	4.0	4.0	4.0	4.0
Lane Util. Factor	1.00	1.00	1.00	1.00	1.00	1.00
Frpb, ped/bikes	1.00	0.99	1.00	0.96	1.00	1.00
Flpb, ped/bikes	1.00	1.00	1.00	1.00	1.00	1.00
Frt	1.00	0.85	1.00	0.85	1.00	1.00
Flt Protected	0.95	1.00	1.00	1.00	0.95	1.00
Satd. Flow (prot)	1719	1515	1810	1484	1719	1810
Flt Permitted	0.95	1.00	1.00	1.00	0.19	1.00
Satd. Flow (perm)	1719	1515	1810	1484	337	1810
Peak-hour factor, PHF	1.00	1.00	1.00	1.00	1.00	1.00
Adj. Flow (vph)	80	290	1020	60	250	760
RTOR Reduction (vph)	0	0	0	14	0	0
Lane Group Flow (vph)	80	290	1020	46	250	760
Confl. Peds. (#/hr)		10		10		
Turn Type		Free		Perm	Perm	
Protected Phases	8		2			6
Permitted Phases		Free		2	6	
Actuated Green, G (s)	10.9	75.0	56.1	56.1	56.1	56.1
Effective Green, g (s)	10.9	75.0	56.1	56.1	56.1	56.1
Actuated g/C Ratio	0.15	1.00	0.75	0.75	0.75	0.75
Clearance Time (s)	4.0		4.0	4.0	4.0	4.0
Vehicle Extension (s)	3.0		3.0	3.0	3.0	3.0
Lane Grp Cap (vph)	250	1515	1354	1110	252	1354
v/s Ratio Prot	c0.05		0.56			0.42
v/s Ratio Perm		0.19		0.03	c0.74	
v/c Ratio	0.32	0.19	0.75	0.04	0.99	0.56
Uniform Delay, d1	28.7	0.0	5.5	2.5	9.2	4.1
Progression Factor	1.00	1.00	1.00	1.00	1.96	1.08
Incremental Delay, d2	0.7	0.3	3.9	0.1	53.6	1.6
Delay (s)	29.5	0.3	9.4	2.5	71.6	6.1
Level of Service	C	A	A	A	E	A
Approach Delay (s)	6.6		9.0			22.3
Approach LOS	A		A			C

Intersection Summary			
HCM Average Control Delay	14.1	HCM Level of Service	B
HCM Volume to Capacity ratio	0.88		
Actuated Cycle Length (s)	75.0	Sum of lost time (s)	8.0
Intersection Capacity Utilization	87.3%	ICU Level of Service	E
Analysis Period (min)	15		

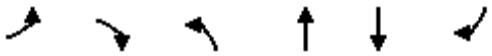
c Critical Lane Group



Movement	WBL	WBR	NBT	NBR	SBL	SBT
Lane Configurations						
Volume (veh/h)	20	470	570	40	250	560
Sign Control	Stop		Free			Free
Grade	0%		0%			0%
Peak Hour Factor	1.00	1.00	1.00	1.00	1.00	1.00
Hourly flow rate (vph)	20	470	570	40	250	560
Pedestrians	10					10
Lane Width (ft)	12.0					12.0
Walking Speed (ft/s)	4.0					4.0
Percent Blockage	1					1
Right turn flare (veh)						
Median type			None			None
Median storage veh)						
Upstream signal (ft)						
pX, platoon unblocked						
vC, conflicting volume	1640	590			620	
vC1, stage 1 conf vol						
vC2, stage 2 conf vol						
vCu, unblocked vol	1640	590			620	
tC, single (s)	6.4	6.2			4.1	
tC, 2 stage (s)						
tF (s)	3.5	3.3			2.2	
p0 queue free %	75	5			73	
cM capacity (veh/h)	79	494			938	

Direction, Lane #	WB 1	WB 2	NB 1	NB 2	SB 1	SB 2
Volume Total	20	470	570	40	250	560
Volume Left	20	0	0	0	250	0
Volume Right	0	470	0	40	0	0
cSH	79	494	1700	1700	938	1700
Volume to Capacity	0.25	0.95	0.34	0.02	0.27	0.33
Queue Length 95th (ft)	23	297	0	0	27	0
Control Delay (s)	65.5	58.4	0.0	0.0	10.2	0.0
Lane LOS	F	F			B	
Approach Delay (s)	58.7		0.0		3.2	
Approach LOS	F					

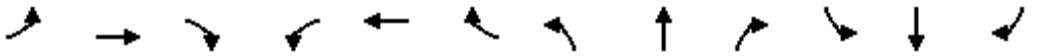
Intersection Summary			
Average Delay	16.4		
Intersection Capacity Utilization	66.8%	ICU Level of Service	C
Analysis Period (min)	15		



Movement	EBL	EBR	NBL	NBT	SBT	SBR
Lane Configurations						
Volume (veh/h)	0	0	0	1040	680	1810
Sign Control	Stop			Free	Free	
Grade	0%			0%	0%	
Peak Hour Factor	1.00	1.00	1.00	1.00	1.00	1.00
Hourly flow rate (vph)	0	0	0	1040	680	1810
Pedestrians						
Lane Width (ft)						
Walking Speed (ft/s)						
Percent Blockage						
Right turn flare (veh)						
Median type				None	None	
Median storage veh)						
Upstream signal (ft)				318	426	
pX, platoon unblocked	0.93					
vC, conflicting volume	1200	340	2490			
vC1, stage 1 conf vol						
vC2, stage 2 conf vol						
vCu, unblocked vol	1059	340	2490			
tC, single (s)	6.9	7.0	4.2			
tC, 2 stage (s)						
tF (s)	3.5	3.3	2.2			
p0 queue free %	100	100	100			
cM capacity (veh/h)	199	647	173			

Direction, Lane #	NB 1	NB 2	SB 1	SB 2	SB 3
Volume Total	520	520	340	340	1810
Volume Left	0	0	0	0	0
Volume Right	0	0	0	0	1810
cSH	1700	1700	1700	1700	1700
Volume to Capacity	0.31	0.31	0.20	0.20	1.06
Queue Length 95th (ft)	0	0	0	0	0
Control Delay (s)	0.0	0.0	0.0	0.0	0.0
Lane LOS					
Approach Delay (s)	0.0		0.0		
Approach LOS					

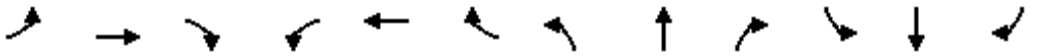
Intersection Summary			
Average Delay	0.0		
Intersection Capacity Utilization	115.4%	ICU Level of Service	H
Analysis Period (min)	15		



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Volume (vph)	160	10	290	190	10	110	170	990	160	100	590	100
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Total Lost time (s)	4.0	4.0	4.0	4.0	4.0		4.0	4.0	4.0	4.0	4.0	4.0
Lane Util. Factor	0.97	0.95	0.95	0.97	1.00		1.00	0.95	1.00	1.00	0.95	1.00
Frpb, ped/bikes	1.00	0.97	0.97	1.00	0.97		1.00	1.00	0.95	1.00	1.00	0.95
Flpb, ped/bikes	1.00	1.00	1.00	1.00	1.00		1.00	1.00	1.00	1.00	1.00	1.00
Frt	1.00	0.86	0.85	1.00	0.86		1.00	1.00	0.85	1.00	1.00	0.85
Flt Protected	0.95	1.00	1.00	0.95	1.00		0.95	1.00	1.00	0.95	1.00	1.00
Satd. Flow (prot)	3335	1440	1421	3335	1521		1719	3438	1460	1719	3438	1460
Flt Permitted	0.95	1.00	1.00	0.95	1.00		0.95	1.00	1.00	0.95	1.00	1.00
Satd. Flow (perm)	3335	1440	1421	3335	1521		1719	3438	1460	1719	3438	1460
Peak-hour factor, PHF	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj. Flow (vph)	160	10	290	190	10	110	170	990	160	100	590	100
RTOR Reduction (vph)	0	126	131	0	0	0	0	0	65	0	0	44
Lane Group Flow (vph)	160	26	17	190	120	0	170	990	95	100	590	56
Confl. Peds. (#/hr)			10			10			10			10
Turn Type	Prot		Perm	Prot			Prot		Perm	Prot		Perm
Protected Phases	7	4		3	8		5	2		1	6	
Permitted Phases			4						2			6
Actuated Green, G (s)	12.5	17.0	17.0	13.9	18.4		18.6	89.4	89.4	13.7	84.5	84.5
Effective Green, g (s)	12.5	17.0	17.0	13.9	18.4		18.6	89.4	89.4	13.7	84.5	84.5
Actuated g/C Ratio	0.08	0.11	0.11	0.09	0.12		0.12	0.60	0.60	0.09	0.56	0.56
Clearance Time (s)	4.0	4.0	4.0	4.0	4.0		4.0	4.0	4.0	4.0	4.0	4.0
Vehicle Extension (s)	3.0	3.0	3.0	3.0	3.0		3.0	3.0	3.0	3.0	3.0	3.0
Lane Grp Cap (vph)	278	163	161	309	187		213	2049	870	157	1937	822
v/s Ratio Prot	0.05	0.02		c0.06	c0.08		c0.10	c0.29		0.06	0.17	
v/s Ratio Perm			0.01						0.07			0.04
v/c Ratio	0.58	0.16	0.10	0.61	0.64		0.80	0.48	0.11	0.64	0.30	0.07
Uniform Delay, d1	66.2	60.1	59.7	65.5	62.7		63.9	17.2	13.1	65.8	17.3	14.9
Progression Factor	1.00	1.00	1.00	1.00	1.00		0.91	0.80	1.40	1.22	0.48	0.46
Incremental Delay, d2	2.9	0.5	0.3	3.6	7.3		15.2	0.7	0.2	8.0	0.4	0.2
Delay (s)	69.1	60.5	60.0	69.1	70.0		73.5	14.5	18.6	88.5	8.7	7.1
Level of Service	E	E	E	E	E		E	B	B	F	A	A
Approach Delay (s)		63.3			69.4			22.6			18.6	
Approach LOS		E			E			C			B	

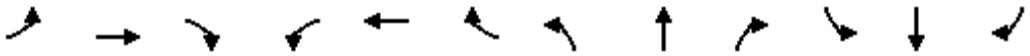
Intersection Summary			
HCM Average Control Delay	33.0	HCM Level of Service	C
HCM Volume to Capacity ratio	0.54		
Actuated Cycle Length (s)	150.0	Sum of lost time (s)	8.0
Intersection Capacity Utilization	58.2%	ICU Level of Service	B
Analysis Period (min)	15		

c Critical Lane Group



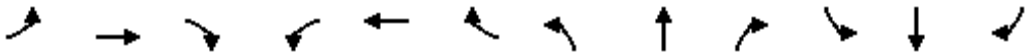
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Volume (vph)	60	40	100	390	30	340	30	250	150	360	490	30
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Total Lost time (s)	7.5	7.5	7.5	7.5	7.5		7.5	7.5	7.5	7.5	7.5	7.5
Lane Util. Factor	1.00	0.95	1.00	0.97	1.00		1.00	0.95	1.00	0.97	0.95	1.00
Frpb, ped/bikes	1.00	1.00	0.97	1.00	0.98		1.00	1.00	0.98	1.00	1.00	0.97
Flpb, ped/bikes	1.00	1.00	1.00	1.00	1.00		1.00	1.00	1.00	1.00	1.00	1.00
Frt	1.00	1.00	0.85	1.00	0.86		1.00	1.00	0.85	1.00	1.00	0.85
Flt Protected	0.95	1.00	1.00	0.95	1.00		0.95	1.00	1.00	0.95	1.00	1.00
Satd. Flow (prot)	1641	3282	1421	3183	1462		1641	3282	1439	3183	3282	1419
Flt Permitted	0.95	1.00	1.00	0.95	1.00		0.95	1.00	1.00	0.95	1.00	1.00
Satd. Flow (perm)	1641	3282	1421	3183	1462		1641	3282	1439	3183	3282	1419
Peak-hour factor, PHF	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
Adj. Flow (vph)	63	42	105	411	32	358	32	263	158	379	516	32
RTOR Reduction (vph)	0	0	90	0	269	0	0	0	127	0	0	21
Lane Group Flow (vph)	63	42	15	411	121	0	32	263	31	379	516	11
Confl. Peds. (#/hr)			10			10			10			10
Heavy Vehicles (%)	10%	10%	10%	10%	10%	10%	10%	10%	10%	10%	10%	10%
Turn Type	Prot		Perm	Prot			Prot		Perm	Prot		Perm
Protected Phases	7	4		3	8		5	2		1	6	
Permitted Phases			4						2			6
Actuated Green, G (s)	7.7	14.6	14.6	18.1	25.0		4.9	19.7	19.7	18.4	33.2	33.2
Effective Green, g (s)	7.7	14.6	14.6	18.1	25.0		4.9	19.7	19.7	18.4	33.2	33.2
Actuated g/C Ratio	0.08	0.14	0.14	0.18	0.25		0.05	0.20	0.20	0.18	0.33	0.33
Clearance Time (s)	7.5	7.5	7.5	7.5	7.5		7.5	7.5	7.5	7.5	7.5	7.5
Vehicle Extension (s)	3.0	3.0	3.0	3.0	3.0		3.0	3.0	3.0	3.0	3.0	3.0
Lane Grp Cap (vph)	125	475	206	572	363		80	641	281	581	1081	467
v/s Ratio Prot	0.04	0.01		c0.13	c0.08		0.02	0.08		c0.12	c0.16	
v/s Ratio Perm			0.01						0.02			0.01
v/c Ratio	0.50	0.09	0.07	0.72	0.33		0.40	0.41	0.11	0.65	0.48	0.02
Uniform Delay, d1	44.7	37.3	37.3	39.0	31.1		46.5	35.5	33.3	38.2	26.9	22.8
Progression Factor	1.00	1.00	1.00	1.00	1.00		1.00	1.00	1.00	1.00	1.00	1.00
Incremental Delay, d2	3.2	0.1	0.2	4.3	0.5		3.3	0.4	0.2	2.6	0.3	0.0
Delay (s)	47.9	37.4	37.4	43.3	31.6		49.8	35.9	33.5	40.9	27.2	22.9
Level of Service	D	D	D	D	C		D	D	C	D	C	C
Approach Delay (s)		40.6			37.6			36.0			32.7	
Approach LOS		D			D			D			C	

Intersection Summary			
HCM Average Control Delay	35.6	HCM Level of Service	D
HCM Volume to Capacity ratio	0.48		
Actuated Cycle Length (s)	100.8	Sum of lost time (s)	15.0
Intersection Capacity Utilization	81.2%	ICU Level of Service	D
Analysis Period (min)	15		
c Critical Lane Group			



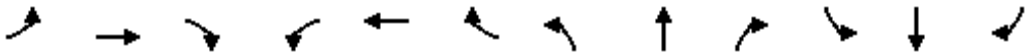
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Right Turn Channelized						Yes			Yes			
Volume (veh/h)	30	500	0	0	610	140	20	0	300	0	0	0
Peak Hour Factor	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
Hourly flow rate (vph)	32	526	0	0	642	147	21	0	316	0	0	0
Approach Volume (veh/h)		558			642			21			0	
Crossing Volume (veh/h)		0			53			558			663	
High Capacity (veh/h)		1385			1329			891			819	
High v/c (veh/h)		0.40			0.48			0.02			0.00	
Low Capacity (veh/h)		1161			1111			717			653	
Low v/c (veh/h)		0.48			0.58			0.03			0.00	

Intersection Summary				
Maximum v/c High	0.48			
Maximum v/c Low	0.58			
Intersection Capacity Utilization	60.9%	ICU Level of Service	B	



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Right Turn Channelized												Yes
Volume (veh/h)	0	350	270	560	70	0	0	0	0	180	0	100
Peak Hour Factor	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
Hourly flow rate (vph)	0	368	284	589	74	0	0	0	0	189	0	105
Approach Volume (veh/h)		653			663			0			189	
Crossing Volume (veh/h)		779			0			558			663	
High Capacity (veh/h)		746			1385			891			819	
High v/c (veh/h)		0.88			0.48			0.00			0.23	
Low Capacity (veh/h)		589			1161			717			653	
Low v/c (veh/h)		1.11			0.57			0.00			0.29	

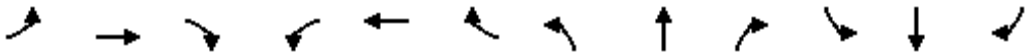
Intersection Summary					
Maximum v/c High	0.88				
Maximum v/c Low	1.11				
Intersection Capacity Utilization	89.8%	ICU Level of Service		E	



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Volume (vph)	20	300	100	260	220	20	80	80	350	20	110	10
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Total Lost time (s)	4.0	4.0	4.0	4.0	4.0		4.0	4.0	4.0	4.0	4.0	
Lane Util. Factor	1.00	1.00	1.00	0.97	0.95		0.97	1.00	1.00	1.00	1.00	
Frpb, ped/bikes	1.00	1.00	0.99	1.00	1.00		1.00	1.00	0.99	1.00	1.00	
Flpb, ped/bikes	1.00	1.00	1.00	1.00	1.00		1.00	1.00	1.00	1.00	1.00	
Frt	1.00	1.00	0.85	1.00	0.99		1.00	1.00	0.85	1.00	0.99	
Flt Protected	0.95	1.00	1.00	0.95	1.00		0.95	1.00	1.00	0.95	1.00	
Satd. Flow (prot)	1719	1810	1515	3335	3388		3335	1810	1515	1719	1784	
Flt Permitted	0.60	1.00	1.00	0.57	1.00		0.75	1.00	1.00	0.75	1.00	
Satd. Flow (perm)	1077	1810	1515	1996	3388		2649	1810	1515	1366	1784	
Peak-hour factor, PHF	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
Adj. Flow (vph)	21	316	105	274	232	21	84	84	368	21	116	11
RTOR Reduction (vph)	0	0	0	0	12	0	0	0	0	0	8	0
Lane Group Flow (vph)	21	316	105	274	241	0	84	84	368	21	119	0
Confl. Peds. (#/hr)			10			10			10			10
Turn Type	Perm		Free	Perm			Perm		Free	Perm		
Protected Phases		4			8			2			6	
Permitted Phases	4		Free	8			2		Free	6		
Actuated Green, G (s)	9.8	9.8	23.1	9.8	9.8		5.3	5.3	23.1	5.3	5.3	
Effective Green, g (s)	9.8	9.8	23.1	9.8	9.8		5.3	5.3	23.1	5.3	5.3	
Actuated g/C Ratio	0.42	0.42	1.00	0.42	0.42		0.23	0.23	1.00	0.23	0.23	
Clearance Time (s)	4.0	4.0		4.0	4.0		4.0	4.0		4.0	4.0	
Vehicle Extension (s)	3.0	3.0		3.0	3.0		3.0	3.0		3.0	3.0	
Lane Grp Cap (vph)	457	768	1515	847	1437		608	415	1515	313	409	
v/s Ratio Prot		c0.17			0.07			0.05			0.07	
v/s Ratio Perm	0.02		0.07	0.14			0.03		c0.24	0.02		
v/c Ratio	0.05	0.41	0.07	0.32	0.17		0.14	0.20	0.24	0.07	0.29	
Uniform Delay, d1	3.9	4.6	0.0	4.4	4.1		7.1	7.2	0.0	7.0	7.3	
Progression Factor	1.00	1.00	1.00	1.00	1.00		1.00	1.00	1.00	1.00	1.00	
Incremental Delay, d2	0.0	0.4	0.1	0.2	0.1		0.1	0.2	0.4	0.1	0.4	
Delay (s)	3.9	5.0	0.1	4.7	4.2		7.2	7.4	0.4	7.1	7.7	
Level of Service	A	A	A	A	A		A	A	A	A	A	
Approach Delay (s)		3.8			4.4			2.6			7.6	
Approach LOS		A			A			A			A	

Intersection Summary			
HCM Average Control Delay	3.9	HCM Level of Service	A
HCM Volume to Capacity ratio	0.33		
Actuated Cycle Length (s)	23.1	Sum of lost time (s)	4.0
Intersection Capacity Utilization	46.5%	ICU Level of Service	A
Analysis Period (min)	15		

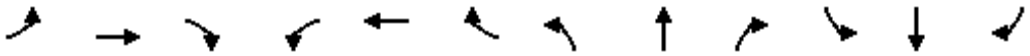
c Critical Lane Group



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Volume (vph)	50	370	70	110	210	20	120	410	430	60	330	10
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Total Lost time (s)	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0		4.0	4.0	
Lane Util. Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.95		1.00	0.95	
Frpb, ped/bikes	1.00	1.00	0.98	1.00	1.00	0.98	1.00	0.98		1.00	1.00	
Flpb, ped/bikes	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00		1.00	1.00	
Frt	1.00	1.00	0.85	1.00	1.00	0.85	1.00	0.92		1.00	1.00	
Flt Protected	0.95	1.00	1.00	0.95	1.00	1.00	0.95	1.00		0.95	1.00	
Satd. Flow (prot)	1719	1810	1505	1719	1810	1505	1719	3113		1719	3418	
Flt Permitted	0.95	1.00	1.00	0.95	1.00	1.00	0.95	1.00		0.95	1.00	
Satd. Flow (perm)	1719	1810	1505	1719	1810	1505	1719	3113		1719	3418	
Peak-hour factor, PHF	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
Adj. Flow (vph)	53	389	74	116	221	21	126	432	453	63	347	11
RTOR Reduction (vph)	0	0	52	0	0	14	0	191	0	0	2	0
Lane Group Flow (vph)	53	389	22	116	221	7	126	694	0	63	356	0
Confl. Peds. (#/hr)			10			10			10			10
Turn Type	Prot		Perm	Prot		Perm	Prot			Prot		
Protected Phases	7	4		3	8		5	2		1	6	
Permitted Phases			4			8						
Actuated Green, G (s)	4.7	22.4	22.4	7.4	25.1	25.1	7.5	22.9		6.4	21.8	
Effective Green, g (s)	4.7	22.4	22.4	7.4	25.1	25.1	7.5	22.9		6.4	21.8	
Actuated g/C Ratio	0.06	0.30	0.30	0.10	0.33	0.33	0.10	0.30		0.09	0.29	
Clearance Time (s)	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0		4.0	4.0	
Vehicle Extension (s)	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0		3.0	3.0	
Lane Grp Cap (vph)	108	540	449	169	605	503	172	949		146	992	
v/s Ratio Prot	0.03	c0.21		c0.07	c0.12		c0.07	c0.22		0.04	0.10	
v/s Ratio Perm			0.01			0.00						
v/c Ratio	0.49	0.72	0.05	0.69	0.37	0.01	0.73	0.73		0.43	0.36	
Uniform Delay, d1	34.0	23.6	18.8	32.7	19.0	16.7	32.8	23.3		32.6	21.1	
Progression Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00		1.00	1.00	
Incremental Delay, d2	3.5	4.7	0.0	11.0	0.4	0.0	14.9	2.9		2.0	0.2	
Delay (s)	37.5	28.3	18.8	43.7	19.3	16.7	47.7	26.3		34.7	21.3	
Level of Service	D	C	B	D	B	B	D	C		C	C	
Approach Delay (s)		27.9			27.1			28.9			23.3	
Approach LOS		C			C			C			C	

Intersection Summary			
HCM Average Control Delay	27.4	HCM Level of Service	C
HCM Volume to Capacity ratio	0.72		
Actuated Cycle Length (s)	75.1	Sum of lost time (s)	16.0
Intersection Capacity Utilization	68.1%	ICU Level of Service	C
Analysis Period (min)	15		

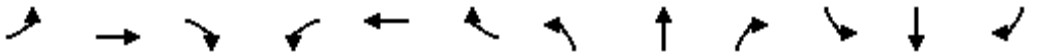
c Critical Lane Group



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Volume (vph)	70	480	170	50	330	70	180	560	80	250	580	220
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Total Lost time (s)	4.0	4.0		4.0	4.0		4.0	4.0		4.0	4.0	
Lane Util. Factor	1.00	1.00		1.00	1.00		1.00	0.95		1.00	0.95	
Frpb, ped/bikes	1.00	1.00		1.00	1.00		1.00	1.00		1.00	0.99	
Flpb, ped/bikes	1.00	1.00		1.00	1.00		1.00	1.00		1.00	1.00	
Frt	1.00	0.96		1.00	0.97		1.00	0.98		1.00	0.96	
Flt Protected	0.95	1.00		0.95	1.00		0.95	1.00		0.95	1.00	
Satd. Flow (prot)	1719	1731		1719	1757		1719	3361		1719	3269	
Flt Permitted	0.36	1.00		0.11	1.00		0.25	1.00		0.33	1.00	
Satd. Flow (perm)	645	1731		197	1757		454	3361		599	3269	
Peak-hour factor, PHF	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
Adj. Flow (vph)	74	505	179	53	347	74	189	589	84	263	611	232
RTOR Reduction (vph)	0	13	0	0	8	0	0	12	0	0	42	0
Lane Group Flow (vph)	74	671	0	53	413	0	189	661	0	263	801	0
Confl. Peds. (#/hr)			5			5			5			5
Turn Type	Perm			Perm			Perm			Perm		
Protected Phases		4			8			2			6	
Permitted Phases	4			8			2			6		
Actuated Green, G (s)	36.8	36.8		36.8	36.8		42.5	42.5		42.5	42.5	
Effective Green, g (s)	36.8	36.8		36.8	36.8		42.5	42.5		42.5	42.5	
Actuated g/C Ratio	0.42	0.42		0.42	0.42		0.49	0.49		0.49	0.49	
Clearance Time (s)	4.0	4.0		4.0	4.0		4.0	4.0		4.0	4.0	
Vehicle Extension (s)	3.0	3.0		3.0	3.0		3.0	3.0		3.0	3.0	
Lane Grp Cap (vph)	272	730		83	741		221	1636		292	1591	
v/s Ratio Prot		c0.39			0.24			0.20			0.25	
v/s Ratio Perm	0.11			0.27			0.42			c0.44		
v/c Ratio	0.27	0.92		0.64	0.56		0.86	0.40		0.90	0.50	
Uniform Delay, d1	16.5	23.8		20.0	19.1		19.7	14.3		20.5	15.2	
Progression Factor	1.00	1.00		1.00	1.00		1.00	1.00		1.00	1.00	
Incremental Delay, d2	0.5	16.5		15.0	0.9		26.1	0.2		28.6	0.3	
Delay (s)	17.0	40.3		35.0	20.0		45.8	14.5		49.1	15.5	
Level of Service	B	D		C	C		D	B		D	B	
Approach Delay (s)		38.0			21.7			21.3			23.5	
Approach LOS		D			C			C			C	

Intersection Summary			
HCM Average Control Delay	26.1	HCM Level of Service	C
HCM Volume to Capacity ratio	0.91		
Actuated Cycle Length (s)	87.3	Sum of lost time (s)	8.0
Intersection Capacity Utilization	85.6%	ICU Level of Service	E
Analysis Period (min)	15		

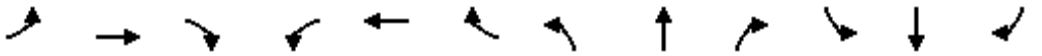
c Critical Lane Group



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Volume (vph)	660	220	230	160	120	250	130	470	60	300	190	510
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Total Lost time (s)	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0		4.0	4.0	4.0
Lane Util. Factor	0.94	0.95	1.00	1.00	0.95	1.00	1.00	1.00		1.00	1.00	1.00
Frpb, ped/bikes	1.00	1.00	0.97	1.00	1.00	0.98	1.00	1.00		1.00	1.00	0.99
Flpb, ped/bikes	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00		1.00	1.00	1.00
Frt	1.00	1.00	0.85	1.00	1.00	0.85	1.00	0.98		1.00	1.00	0.85
Flt Protected	0.95	1.00	1.00	0.95	1.00	1.00	0.95	1.00		0.95	1.00	1.00
Satd. Flow (prot)	4848	3438	1489	1719	3438	1509	1719	1775		1719	1810	1515
Flt Permitted	0.68	1.00	1.00	0.61	1.00	1.00	0.64	1.00		0.37	1.00	1.00
Satd. Flow (perm)	3450	3438	1489	1112	3438	1509	1154	1775		661	1810	1515
Peak-hour factor, PHF	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj. Flow (vph)	660	220	230	160	120	250	130	470	60	300	190	510
RTOR Reduction (vph)	0	0	158	0	0	172	0	6	0	0	0	0
Lane Group Flow (vph)	660	220	72	160	120	78	130	524	0	300	190	510
Confl. Peds. (#/hr)			10			10			10			10
Turn Type	Perm		Perm	Perm		Perm	Perm			Perm		Free
Protected Phases		4			8			2			6	
Permitted Phases	4		4	8		8	2			6		Free
Actuated Green, G (s)	18.3	18.3	18.3	18.3	18.3	18.3	32.0	32.0		32.0	32.0	58.3
Effective Green, g (s)	18.3	18.3	18.3	18.3	18.3	18.3	32.0	32.0		32.0	32.0	58.3
Actuated g/C Ratio	0.31	0.31	0.31	0.31	0.31	0.31	0.55	0.55		0.55	0.55	1.00
Clearance Time (s)	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0		4.0	4.0	
Vehicle Extension (s)	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0		3.0	3.0	
Lane Grp Cap (vph)	1083	1079	467	349	1079	474	633	974		363	993	1515
v/s Ratio Prot		0.06			0.03			0.30			0.10	
v/s Ratio Perm	c0.19		0.05	0.14		0.05	0.11			c0.45		0.34
v/c Ratio	0.61	0.20	0.15	0.46	0.11	0.17	0.21	0.54		0.83	0.19	0.34
Uniform Delay, d1	17.0	14.7	14.4	16.0	14.2	14.5	6.7	8.4		10.9	6.6	0.0
Progression Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00		1.00	1.00	1.00
Incremental Delay, d2	1.0	0.1	0.2	1.0	0.0	0.2	0.2	0.6		14.2	0.1	0.6
Delay (s)	17.9	14.8	14.6	17.0	14.3	14.6	6.8	9.0		25.1	6.7	0.6
Level of Service	B	B	B	B	B	B	A	A		C	A	A
Approach Delay (s)		16.6			15.3			8.6			9.1	
Approach LOS		B			B			A			A	

Intersection Summary			
HCM Average Control Delay	12.5	HCM Level of Service	B
HCM Volume to Capacity ratio	0.75		
Actuated Cycle Length (s)	58.3	Sum of lost time (s)	8.0
Intersection Capacity Utilization	79.1%	ICU Level of Service	D
Analysis Period (min)	15		

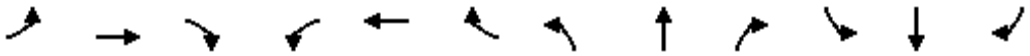
c Critical Lane Group



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Volume (vph)	240	800	100	50	260	150	10	220	50	200	230	100
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Total Lost time (s)	4.0	4.0		4.0	4.0	4.0	4.0	4.0		4.0	4.0	4.0
Lane Util. Factor	1.00	0.95		1.00	1.00	1.00	1.00	1.00		1.00	1.00	1.00
Frpb, ped/bikes	1.00	1.00		1.00	1.00	0.97	1.00	1.00		1.00	1.00	0.97
Flpb, ped/bikes	1.00	1.00		1.00	1.00	1.00	1.00	1.00		1.00	1.00	1.00
Frt	1.00	0.98		1.00	1.00	0.85	1.00	0.97		1.00	1.00	0.85
Flt Protected	0.95	1.00		0.95	1.00	1.00	0.95	1.00		0.95	1.00	1.00
Satd. Flow (prot)	1719	3370		1719	1810	1493	1719	1754		1719	1810	1495
Flt Permitted	0.59	1.00		0.23	1.00	1.00	0.61	1.00		0.55	1.00	1.00
Satd. Flow (perm)	1067	3370		411	1810	1493	1101	1754		999	1810	1495
Peak-hour factor, PHF	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
Adj. Flow (vph)	253	842	105	53	274	158	11	232	53	211	242	105
RTOR Reduction (vph)	0	17	0	0	0	89	0	17	0	0	0	67
Lane Group Flow (vph)	253	930	0	53	274	69	11	268	0	211	242	38
Confl. Peds. (#/hr)			10			10			10			10
Turn Type	Perm			Perm		Perm	Perm			Perm		Perm
Protected Phases		4			8			2			6	
Permitted Phases	4			8		8	2			6		6
Actuated Green, G (s)	17.6	17.6		17.6	17.6	17.6	14.5	14.5		14.5	14.5	14.5
Effective Green, g (s)	17.6	17.6		17.6	17.6	17.6	14.5	14.5		14.5	14.5	14.5
Actuated g/C Ratio	0.44	0.44		0.44	0.44	0.44	0.36	0.36		0.36	0.36	0.36
Clearance Time (s)	4.0	4.0		4.0	4.0	4.0	4.0	4.0		4.0	4.0	4.0
Vehicle Extension (s)	3.0	3.0		3.0	3.0	3.0	3.0	3.0		3.0	3.0	3.0
Lane Grp Cap (vph)	468	1479		180	794	655	398	634		361	654	541
v/s Ratio Prot		c0.28			0.15			0.15			0.13	
v/s Ratio Perm	0.24			0.13		0.05	0.01			c0.21		0.03
v/c Ratio	0.54	0.63		0.29	0.35	0.11	0.03	0.42		0.58	0.37	0.07
Uniform Delay, d1	8.3	8.7		7.2	7.4	6.6	8.3	9.6		10.4	9.4	8.4
Progression Factor	1.00	1.00		1.00	1.00	1.00	1.00	1.00		1.00	1.00	1.00
Incremental Delay, d2	1.3	0.8		0.9	0.3	0.1	0.0	0.5		2.4	0.4	0.1
Delay (s)	9.6	9.6		8.2	7.7	6.7	8.3	10.1		12.8	9.8	8.4
Level of Service	A	A		A	A	A	A	B		B	A	A
Approach Delay (s)		9.6			7.4			10.0			10.7	
Approach LOS		A			A			B			B	

Intersection Summary			
HCM Average Control Delay	9.5	HCM Level of Service	A
HCM Volume to Capacity ratio	0.61		
Actuated Cycle Length (s)	40.1	Sum of lost time (s)	8.0
Intersection Capacity Utilization	69.4%	ICU Level of Service	C
Analysis Period (min)	15		

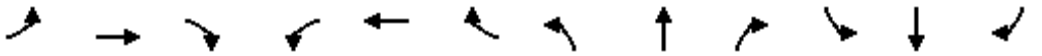
c Critical Lane Group



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Volume (vph)	90	710	20	10	440	10	10	110	10	10	340	30
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Total Lost time (s)	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0		4.0	4.0	
Lane Util. Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00		1.00	1.00	
Frpb, ped/bikes	1.00	1.00	0.97	1.00	1.00	0.97	1.00	1.00		1.00	1.00	
Flpb, ped/bikes	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00		1.00	1.00	
Frt	1.00	1.00	0.85	1.00	1.00	0.85	1.00	0.99		1.00	0.99	
Flt Protected	0.95	1.00	1.00	0.95	1.00	1.00	0.95	1.00		0.95	1.00	
Satd. Flow (prot)	1719	1810	1490	1719	1810	1490	1719	1782		1719	1783	
Flt Permitted	0.95	1.00	1.00	0.95	1.00	1.00	0.95	1.00		0.95	1.00	
Satd. Flow (perm)	1719	1810	1490	1719	1810	1490	1719	1782		1719	1783	
Peak-hour factor, PHF	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
Adj. Flow (vph)	95	747	21	11	463	11	11	116	11	11	358	32
RTOR Reduction (vph)	0	0	9	0	0	7	0	3	0	0	3	0
Lane Group Flow (vph)	95	747	12	11	463	4	11	124	0	11	387	0
Confl. Peds. (#/hr)			5			5			5			5
Turn Type	Prot		Perm	Prot		Perm	Prot			Prot		
Protected Phases	7	4		3	8		5	2		1	6	
Permitted Phases			4			8						
Actuated Green, G (s)	8.0	37.6	37.6	0.5	30.1	30.1	0.5	22.5		0.5	22.5	
Effective Green, g (s)	8.0	37.6	37.6	0.5	30.1	30.1	0.5	22.5		0.5	22.5	
Actuated g/C Ratio	0.10	0.49	0.49	0.01	0.39	0.39	0.01	0.29		0.01	0.29	
Clearance Time (s)	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0		4.0	4.0	
Vehicle Extension (s)	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0		3.0	3.0	
Lane Grp Cap (vph)	178	883	727	11	707	582	11	520		11	520	
v/s Ratio Prot	c0.06	c0.41		0.01	0.26		c0.01	0.07		0.01	c0.22	
v/s Ratio Perm			0.01			0.00						
v/c Ratio	0.53	0.85	0.02	1.00	0.65	0.01	1.00	0.24		1.00	0.74	
Uniform Delay, d1	32.8	17.2	10.2	38.3	19.2	14.4	38.3	20.8		38.3	24.7	
Progression Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00		1.00	1.00	
Incremental Delay, d2	3.1	7.5	0.0	271.4	2.2	0.0	271.4	0.2		271.4	5.7	
Delay (s)	35.8	24.7	10.2	309.7	21.4	14.4	309.7	21.0		309.7	30.4	
Level of Service	D	C	B	F	C	B	F	C		F	C	
Approach Delay (s)		25.6			27.8			44.0			38.1	
Approach LOS		C			C			D			D	

Intersection Summary			
HCM Average Control Delay	30.2	HCM Level of Service	C
HCM Volume to Capacity ratio	0.82		
Actuated Cycle Length (s)	77.1	Sum of lost time (s)	16.0
Intersection Capacity Utilization	70.5%	ICU Level of Service	C
Analysis Period (min)	15		

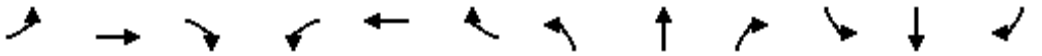
c Critical Lane Group



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Volume (vph)	0	0	0	2040	0	850	0	2080	740	0	2660	190
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Total Lost time (s)				4.0	4.0	4.0		4.0	4.0		4.0	4.0
Lane Util. Factor				0.91	0.91	1.00		0.95	0.88		0.91	1.00
Frpb, ped/bikes				1.00	1.00	0.99		1.00	0.97		1.00	0.93
Flpb, ped/bikes				1.00	1.00	1.00		1.00	1.00		1.00	1.00
Frt				1.00	1.00	0.85		1.00	0.85		1.00	0.85
Flt Protected				0.95	0.95	1.00		1.00	1.00		1.00	1.00
Satd. Flow (prot)				3129	1564	1515		3438	2631		4940	1427
Flt Permitted				0.95	0.95	1.00		1.00	1.00		1.00	1.00
Satd. Flow (perm)				3129	1564	1515		3438	2631		4940	1427
Peak-hour factor, PHF	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj. Flow (vph)	0	0	0	2040	0	850	0	2080	740	0	2660	190
RTOR Reduction (vph)	0	0	0	0	0	0	0	0	0	0	0	42
Lane Group Flow (vph)	0	0	0	1367	673	850	0	2080	740	0	2660	148
Confl. Peds. (#/hr)			10			10			10			10
Turn Type				Split		Free			pm+ov			Perm
Protected Phases				8	8			2	8		6	
Permitted Phases						Free			2			6
Actuated Green, G (s)				56.0	56.0	150.0		86.0	142.0		86.0	86.0
Effective Green, g (s)				56.0	56.0	150.0		86.0	142.0		86.0	86.0
Actuated g/C Ratio				0.37	0.37	1.00		0.57	0.95		0.57	0.57
Clearance Time (s)				4.0	4.0			4.0	4.0		4.0	4.0
Vehicle Extension (s)				3.0	3.0			3.0	3.0		3.0	3.0
Lane Grp Cap (vph)				1168	584	1515		1971	2631		2832	818
v/s Ratio Prot				c0.44	0.43			c0.60	0.10		0.54	
v/s Ratio Perm						0.56			0.18			0.10
v/c Ratio				1.17	1.15	0.56		1.06	0.28		0.94	0.18
Uniform Delay, d1				47.0	47.0	0.0		32.0	0.3		29.6	15.2
Progression Factor				1.00	1.00	1.00		0.66	0.94		1.00	1.00
Incremental Delay, d2				86.1	87.0	1.5		36.3	0.1		7.7	0.5
Delay (s)				133.1	134.0	1.5		57.5	0.3		37.3	15.7
Level of Service				F	F	A		E	A		D	B
Approach Delay (s)		0.0			94.6			42.5			35.8	
Approach LOS		A			F			D			D	

Intersection Summary			
HCM Average Control Delay	57.9	HCM Level of Service	E
HCM Volume to Capacity ratio	1.10		
Actuated Cycle Length (s)	150.0	Sum of lost time (s)	8.0
Intersection Capacity Utilization	109.6%	ICU Level of Service	H
Analysis Period (min)	15		

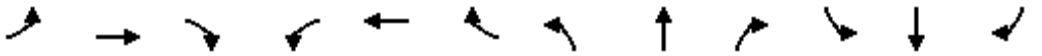
c Critical Lane Group



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Volume (vph)	100	0	930	0	0	0	0	1990	1540	0	3130	980
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Total Lost time (s)		4.0	4.0					4.0	4.0		4.0	4.0
Lane Util. Factor		1.00	1.00					0.91	0.88		0.91	1.00
Frpb, ped/bikes		1.00	1.00					1.00	0.93		1.00	0.95
Flpb, ped/bikes		1.00	1.00					1.00	1.00		1.00	1.00
Frt		1.00	0.85					1.00	0.85		1.00	0.85
Flt Protected		0.95	1.00					1.00	1.00		1.00	1.00
Satd. Flow (prot)		1719	1538					4940	2511		4940	1460
Flt Permitted		0.95	1.00					1.00	1.00		1.00	1.00
Satd. Flow (perm)		1719	1538					4940	2511		4940	1460
Peak-hour factor, PHF	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj. Flow (vph)	100	0	930	0	0	0	0	1990	1540	0	3130	980
RTOR Reduction (vph)	0	0	0	0	0	0	0	0	226	0	0	144
Lane Group Flow (vph)	0	100	930	0	0	0	0	1990	1314	0	3130	836
Confl. Peds. (#/hr)									10			10
Turn Type	Split		Free						Perm			Perm
Protected Phases	4	4						2			6	
Permitted Phases			Free						2			6
Actuated Green, G (s)		14.0	150.0					128.0	128.0		128.0	128.0
Effective Green, g (s)		14.0	150.0					128.0	128.0		128.0	128.0
Actuated g/C Ratio		0.09	1.00					0.85	0.85		0.85	0.85
Clearance Time (s)		4.0						4.0	4.0		4.0	4.0
Vehicle Extension (s)		3.0						3.0	3.0		3.0	3.0
Lane Grp Cap (vph)		160	1538					4215	2143		4215	1246
v/s Ratio Prot		0.06						0.40			c0.63	
v/s Ratio Perm			c0.60						0.52			0.57
v/c Ratio		0.62	0.60					0.47	0.61		0.74	0.67
Uniform Delay, d1		65.5	0.0					2.7	3.4		4.4	3.8
Progression Factor		1.00	1.00					0.39	28.47		0.91	0.99
Incremental Delay, d2		7.4	1.8					0.3	1.1		0.1	0.3
Delay (s)		72.9	1.8					1.4	97.4		4.1	4.0
Level of Service		E	A					A	F		A	A
Approach Delay (s)		8.7			0.0			43.3			4.1	
Approach LOS		A			A			D			A	

Intersection Summary			
HCM Average Control Delay	20.6	HCM Level of Service	C
HCM Volume to Capacity ratio	0.73		
Actuated Cycle Length (s)	150.0	Sum of lost time (s)	4.0
Intersection Capacity Utilization	72.7%	ICU Level of Service	C
Analysis Period (min)	15		

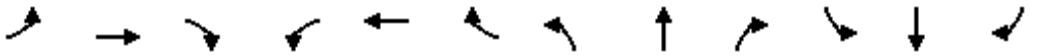
c Critical Lane Group



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Volume (vph)	870	140	210	30	90	750	100	1600	30	590	2180	690
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Total Lost time (s)	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lane Util. Factor	0.94	1.00	1.00	1.00	1.00	1.00	0.97	0.86	1.00	0.97	0.91	0.88
Frpb, ped/bikes	1.00	1.00	0.99	1.00	1.00	0.99	1.00	1.00	0.98	1.00	1.00	0.99
Flpb, ped/bikes	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Frt	1.00	1.00	0.85	1.00	1.00	0.85	1.00	1.00	0.85	1.00	1.00	0.85
Flt Protected	0.95	1.00	1.00	0.95	1.00	1.00	0.95	1.00	1.00	0.95	1.00	1.00
Satd. Flow (prot)	4848	1810	1515	1719	1810	1515	3335	6225	1509	3335	4940	2667
Flt Permitted	0.95	1.00	1.00	0.95	1.00	1.00	0.95	1.00	1.00	0.95	1.00	1.00
Satd. Flow (perm)	4848	1810	1515	1719	1810	1515	3335	6225	1509	3335	4940	2667
Peak-hour factor, PHF	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj. Flow (vph)	870	140	210	30	90	750	100	1600	30	590	2180	690
RTOR Reduction (vph)	0	0	0	0	0	0	0	0	13	0	0	0
Lane Group Flow (vph)	870	140	210	30	90	750	100	1600	17	590	2180	690
Confl. Peds. (#/hr)			10			10			10			10
Turn Type	Split		Free	Split		Free	Prot		pm+ov	Prot		Free
Protected Phases	4	4		8	8		5	2	8	1	6	
Permitted Phases			Free			Free			2			Free
Actuated Green, G (s)	33.8	33.8	150.0	16.7	16.7	150.0	4.0	59.5	76.2	24.0	79.5	150.0
Effective Green, g (s)	33.8	33.8	150.0	16.7	16.7	150.0	4.0	59.5	76.2	24.0	79.5	150.0
Actuated g/C Ratio	0.23	0.23	1.00	0.11	0.11	1.00	0.03	0.40	0.51	0.16	0.53	1.00
Clearance Time (s)	4.0	4.0		4.0	4.0		4.0	4.0	4.0	4.0	4.0	
Vehicle Extension (s)	3.0	3.0		3.0	3.0		3.0	3.0	3.0	3.0	3.0	
Lane Grp Cap (vph)	1092	408	1515	191	202	1515	89	2469	767	534	2618	2667
v/s Ratio Prot	c0.18	0.08		0.02	0.05		0.03	0.26	0.00	c0.18	c0.44	
v/s Ratio Perm			0.14			c0.50			0.01			0.26
v/c Ratio	0.80	0.34	0.14	0.16	0.45	0.50	1.12	0.65	0.02	1.10	0.83	0.26
Uniform Delay, d1	54.9	48.8	0.0	60.3	62.3	0.0	73.0	36.7	18.4	63.0	29.7	0.0
Progression Factor	1.00	1.00	1.00	1.00	1.00	1.00	0.83	1.00	0.85	1.11	0.83	1.00
Incremental Delay, d2	4.1	0.5	0.2	0.4	1.6	1.2	115.7	0.9	0.0	65.0	2.3	0.2
Delay (s)	59.0	49.3	0.2	60.7	63.9	1.2	176.6	37.8	15.6	135.0	27.0	0.2
Level of Service	E	D	A	E	E	A	F	D	B	F	C	A
Approach Delay (s)		47.7			9.7			45.5			40.0	
Approach LOS		D			A			D			D	

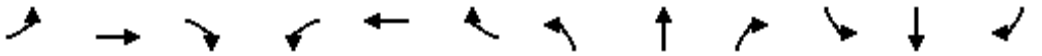
Intersection Summary			
HCM Average Control Delay	39.0	HCM Level of Service	D
HCM Volume to Capacity ratio	0.81		
Actuated Cycle Length (s)	150.0	Sum of lost time (s)	8.0
Intersection Capacity Utilization	82.1%	ICU Level of Service	E
Analysis Period (min)	15		

c Critical Lane Group



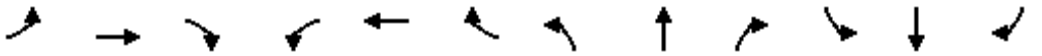
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Volume (vph)	60	1390	990	610	910	140	780	530	1000	400	570	60
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Total Lost time (s)	5.0	5.0	4.0	5.0	5.0	5.0	5.0	5.0	4.0	5.0	5.0	5.0
Lane Util. Factor	1.00	0.91	1.00	0.97	0.91	1.00	0.97	0.95	1.00	0.97	0.95	1.00
Frpb, ped/bikes	1.00	1.00	0.99	1.00	1.00	0.98	1.00	1.00	0.99	1.00	1.00	0.98
Flpb, ped/bikes	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Frt	1.00	1.00	0.85	1.00	1.00	0.85	1.00	1.00	0.85	1.00	1.00	0.85
Flt Protected	0.95	1.00	1.00	0.95	1.00	1.00	0.95	1.00	1.00	0.95	1.00	1.00
Satd. Flow (prot)	1770	5085	1560	3433	5085	1544	3433	3539	1560	3433	3539	1544
Flt Permitted	0.95	1.00	1.00	0.95	1.00	1.00	0.95	1.00	1.00	0.95	1.00	1.00
Satd. Flow (perm)	1770	5085	1560	3433	5085	1544	3433	3539	1560	3433	3539	1544
Peak-hour factor, PHF	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj. Flow (vph)	60	1390	990	610	910	140	780	530	1000	400	570	60
RTOR Reduction (vph)	0	0	0	0	0	83	0	0	0	0	0	25
Lane Group Flow (vph)	60	1390	990	610	910	57	780	530	1000	400	570	35
Confl. Peds. (#/hr)			10			10			10			10
Heavy Vehicles (%)	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%
Turn Type	Prot		Free	Prot		Perm	Prot		Free	Prot		Perm
Protected Phases	5	2		1	6		7	4		3	8	
Permitted Phases			Free			6			Free			8
Actuated Green, G (s)	8.2	44.8	150.0	25.0	61.6	61.6	31.0	29.6	150.0	30.6	29.2	29.2
Effective Green, g (s)	8.2	44.8	150.0	25.0	61.6	61.6	31.0	29.6	150.0	30.6	29.2	29.2
Actuated g/C Ratio	0.05	0.30	1.00	0.17	0.41	0.41	0.21	0.20	1.00	0.20	0.19	0.19
Clearance Time (s)	5.0	5.0		5.0	5.0	5.0	5.0	5.0		5.0	5.0	5.0
Vehicle Extension (s)	3.0	3.0		3.0	3.0	3.0	3.0	3.0		3.0	3.0	3.0
Lane Grp Cap (vph)	97	1519	1560	572	2088	634	709	698	1560	700	689	301
v/s Ratio Prot	0.03	c0.27		c0.18	0.18		c0.23	0.15		0.12	c0.16	
v/s Ratio Perm			0.63			0.04			c0.64			0.02
v/c Ratio	0.62	0.92	0.63	1.07	0.44	0.09	1.10	0.76	0.64	0.57	0.83	0.12
Uniform Delay, d1	69.4	50.8	0.0	62.5	31.7	27.1	59.5	56.8	0.0	53.8	58.0	49.8
Progression Factor	1.44	0.61	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Incremental Delay, d2	7.2	6.9	1.3	56.6	0.7	0.3	64.5	4.8	2.0	1.1	8.1	0.2
Delay (s)	107.4	37.6	1.3	119.1	32.4	27.3	124.0	61.6	2.0	54.9	66.1	49.9
Level of Service	F	D	A	F	C	C	F	E	A	D	E	D
Approach Delay (s)		24.6			63.8			56.9			60.8	
Approach LOS		C			E			E			E	

Intersection Summary			
HCM Average Control Delay	48.4	HCM Level of Service	D
HCM Volume to Capacity ratio	0.93		
Actuated Cycle Length (s)	150.0	Sum of lost time (s)	15.0
Intersection Capacity Utilization	107.3%	ICU Level of Service	G
Analysis Period (min)	15		
c Critical Lane Group			



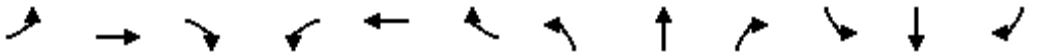
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Volume (vph)	100	590	90	240	390	140	30	1990	350	280	2360	40
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Total Lost time (s)	4.0	4.0		4.0	4.0		4.0	4.0	4.0	4.0	4.0	4.0
Lane Util. Factor	1.00	0.95		1.00	0.95		1.00	0.91	1.00	1.00	0.91	1.00
Frpb, ped/bikes	1.00	1.00		1.00	0.99		1.00	1.00	0.98	1.00	1.00	0.97
Flpb, ped/bikes	1.00	1.00		1.00	1.00		1.00	1.00	1.00	1.00	1.00	1.00
Frt	1.00	0.98		1.00	0.96		1.00	1.00	0.85	1.00	1.00	0.85
Flt Protected	0.95	1.00		0.95	1.00		0.95	1.00	1.00	0.95	1.00	1.00
Satd. Flow (prot)	1770	3458		1770	3377		1770	5085	1549	1770	5085	1543
Flt Permitted	0.95	1.00		0.95	1.00		0.95	1.00	1.00	0.95	1.00	1.00
Satd. Flow (perm)	1770	3458		1770	3377		1770	5085	1549	1770	5085	1543
Peak-hour factor, PHF	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj. Flow (vph)	100	590	90	240	390	140	30	1990	350	280	2360	40
RTOR Reduction (vph)	0	9	0	0	25	0	0	0	30	0	0	9
Lane Group Flow (vph)	100	671	0	240	505	0	30	1990	320	280	2360	31
Confl. Peds. (#/hr)			10			10			10			10
Heavy Vehicles (%)	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%
Turn Type	Prot			Prot			Prot		pm+ov	Prot		pm+ov
Protected Phases	7	4		3	8		5	2	3	1	6	7
Permitted Phases									2			6
Actuated Green, G (s)	12.9	33.2		20.0	40.3		3.5	54.7	74.7	23.0	74.2	87.1
Effective Green, g (s)	12.9	33.2		20.0	40.3		3.5	54.7	74.7	23.0	74.2	87.1
Actuated g/C Ratio	0.09	0.23		0.14	0.27		0.02	0.37	0.51	0.16	0.51	0.59
Clearance Time (s)	4.0	4.0		4.0	4.0		4.0	4.0	4.0	4.0	4.0	4.0
Vehicle Extension (s)	3.0	3.0		3.0	3.0		3.0	3.0	3.0	3.0	3.0	3.0
Lane Grp Cap (vph)	155	782		241	926		42	1893	830	277	2568	957
v/s Ratio Prot	0.06	c0.19		c0.14	0.15		0.02	c0.39	0.05	c0.16	0.46	0.00
v/s Ratio Perm									0.15			0.02
v/c Ratio	0.65	0.86		1.00	0.55		0.71	1.05	0.39	1.01	0.92	0.03
Uniform Delay, d1	64.8	54.6		63.4	45.5		71.2	46.1	22.1	62.0	33.6	12.4
Progression Factor	1.00	1.00		1.00	1.00		1.00	1.00	1.00	1.00	1.00	1.00
Incremental Delay, d2	8.9	9.3		56.5	0.7		44.2	35.7	0.3	56.9	5.9	0.0
Delay (s)	73.7	63.9		119.9	46.1		115.4	81.8	22.4	118.8	39.4	12.4
Level of Service	E	E		F	D		F	F	C	F	D	B
Approach Delay (s)		65.1			69.1			73.4			47.3	
Approach LOS		E			E			E			D	

Intersection Summary			
HCM Average Control Delay	61.3	HCM Level of Service	E
HCM Volume to Capacity ratio	0.99		
Actuated Cycle Length (s)	146.9	Sum of lost time (s)	16.0
Intersection Capacity Utilization	102.5%	ICU Level of Service	G
Analysis Period (min)	15		
c Critical Lane Group			



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Volume (vph)	150	10	780	10	10	10	310	2160	10	10	2540	60
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Total Lost time (s)		4.0	4.0		4.0		4.0	4.0	4.0	4.0	4.0	4.0
Lane Util. Factor		1.00	1.00		1.00		1.00	0.91	1.00	1.00	0.91	1.00
Frpb, ped/bikes		1.00	0.99		1.00		1.00	1.00	1.00	1.00	1.00	0.96
Flpb, ped/bikes		1.00	1.00		1.00		1.00	1.00	1.00	1.00	1.00	1.00
Frt		1.00	0.85		0.95		1.00	1.00	0.85	1.00	1.00	0.85
Flt Protected		0.96	1.00		0.98		0.95	1.00	1.00	0.95	1.00	1.00
Satd. Flow (prot)		1763	1547		1733		1752	5036	1568	1752	5036	1512
Flt Permitted		0.73	1.00		0.90		0.95	1.00	1.00	0.95	1.00	1.00
Satd. Flow (perm)		1347	1547		1590		1752	5036	1568	1752	5036	1512
Peak-hour factor, PHF	1.00	0.95	1.00	0.95	0.95	0.95	1.00	1.00	0.95	0.95	1.00	1.00
Adj. Flow (vph)	150	11	780	11	11	11	310	2160	11	11	2540	60
RTOR Reduction (vph)	0	0	0	0	9	0	0	0	3	0	0	15
Lane Group Flow (vph)	0	161	780	0	24	0	310	2160	8	11	2540	45
Confl. Peds. (#/hr)			5									5
Heavy Vehicles (%)	3%	3%	3%	3%	3%	3%	3%	3%	3%	3%	3%	3%
Turn Type	Perm		Free	Perm			Prot		Perm	Prot		Perm
Protected Phases		4			8		5	2		1	6	
Permitted Phases	4		Free	8					2			6
Actuated Green, G (s)		19.1	108.9		19.1		18.1	76.7	76.7	1.1	59.7	59.7
Effective Green, g (s)		19.1	108.9		19.1		18.1	76.7	76.7	1.1	59.7	59.7
Actuated g/C Ratio		0.18	1.00		0.18		0.17	0.70	0.70	0.01	0.55	0.55
Clearance Time (s)		4.0			4.0		4.0	4.0	4.0	4.0	4.0	4.0
Vehicle Extension (s)		3.0			3.0		3.0	3.0	3.0	3.0	3.0	3.0
Lane Grp Cap (vph)		236	1547		279		291	3547	1104	18	2761	829
v/s Ratio Prot							c0.18	0.43		0.01	c0.50	
v/s Ratio Perm		c0.12	0.50		0.02				0.01			0.03
v/c Ratio		0.68	0.50		0.09		1.07	0.61	0.01	0.61	0.92	0.05
Uniform Delay, d1		42.1	0.0		37.6		45.4	8.3	4.8	53.7	22.4	11.5
Progression Factor		1.00	1.00		1.00		1.00	1.00	1.00	1.00	1.00	1.00
Incremental Delay, d2		7.9	1.2		0.1		71.1	0.3	0.0	48.7	5.6	0.0
Delay (s)		49.9	1.2		37.7		116.5	8.6	4.8	102.4	28.0	11.5
Level of Service		D	A		D		F	A	A	F	C	B
Approach Delay (s)		9.5			37.7			22.1			27.9	
Approach LOS		A			D			C			C	

Intersection Summary			
HCM Average Control Delay	22.7	HCM Level of Service	C
HCM Volume to Capacity ratio	0.90		
Actuated Cycle Length (s)	108.9	Sum of lost time (s)	12.0
Intersection Capacity Utilization	93.7%	ICU Level of Service	F
Analysis Period (min)	15		
c Critical Lane Group			



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Volume (vph)	30	220	250	30	190	220	90	2320	80	500	2870	30
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Total Lost time (s)	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lane Util. Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.91	1.00	1.00	0.91	1.00
Frpb, ped/bikes	1.00	1.00	0.98	1.00	1.00	0.98	1.00	1.00	0.97	1.00	1.00	0.96
Flpb, ped/bikes	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Frt	1.00	1.00	0.85	1.00	1.00	0.85	1.00	1.00	0.85	1.00	1.00	0.85
Flt Protected	0.95	1.00	1.00	0.95	1.00	1.00	0.95	1.00	1.00	0.95	1.00	1.00
Satd. Flow (prot)	1719	1810	1511	1719	1810	1511	1719	4940	1486	1719	4940	1484
Flt Permitted	0.38	1.00	1.00	0.30	1.00	1.00	0.95	1.00	1.00	0.95	1.00	1.00
Satd. Flow (perm)	687	1810	1511	550	1810	1511	1719	4940	1486	1719	4940	1484
Peak-hour factor, PHF	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj. Flow (vph)	30	220	250	30	190	220	90	2320	80	500	2870	30
RTOR Reduction (vph)	0	0	77	0	0	183	0	0	18	0	0	5
Lane Group Flow (vph)	30	220	173	30	190	37	90	2320	62	500	2870	25
Confl. Peds. (#/hr)			5			5			5			5
Turn Type	Perm		Perm	Perm		Perm	Prot		Perm	Prot		Perm
Protected Phases		4			8		5	2		1	6	
Permitted Phases	4		4	8		8			2			6
Actuated Green, G (s)	22.3	22.3	22.3	22.3	22.3	22.3	8.0	70.2	70.2	28.2	90.4	90.4
Effective Green, g (s)	22.3	22.3	22.3	22.3	22.3	22.3	8.0	70.2	70.2	28.2	90.4	90.4
Actuated g/C Ratio	0.17	0.17	0.17	0.17	0.17	0.17	0.06	0.53	0.53	0.21	0.68	0.68
Clearance Time (s)	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Vehicle Extension (s)	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
Lane Grp Cap (vph)	115	304	254	92	304	254	104	2613	786	365	3365	1011
v/s Ratio Prot		c0.12			0.10		0.05	c0.47		c0.29	0.58	
v/s Ratio Perm	0.04		0.11	0.05		0.02			0.04			0.02
v/c Ratio	0.26	0.72	0.68	0.33	0.62	0.15	0.87	0.89	0.08	1.37	0.85	0.02
Uniform Delay, d1	48.0	52.3	51.9	48.6	51.3	47.1	61.8	27.8	15.4	52.2	16.1	6.9
Progression Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Incremental Delay, d2	1.2	8.3	7.4	2.1	4.0	0.3	48.1	4.1	0.0	183.0	2.3	0.0
Delay (s)	49.2	60.5	59.2	50.7	55.3	47.3	109.9	31.8	15.4	235.3	18.4	6.9
Level of Service	D	E	E	D	E	D	F	C	B	F	B	A
Approach Delay (s)		59.2			51.0			34.1			50.2	
Approach LOS		E			D			C			D	

Intersection Summary			
HCM Average Control Delay	45.0	HCM Level of Service	D
HCM Volume to Capacity ratio	0.97		
Actuated Cycle Length (s)	132.7	Sum of lost time (s)	12.0
Intersection Capacity Utilization	103.3%	ICU Level of Service	G
Analysis Period (min)	15		

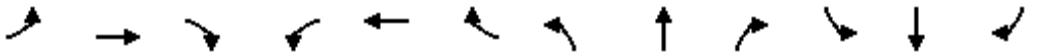
c Critical Lane Group



Movement	WBL	WBR	NBT	NBR	SBL	SBT
Lane Configurations						
Volume (vph)	430	450	1880	460	770	2310
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900
Total Lost time (s)	4.0	4.0	4.0	4.0	4.0	4.0
Lane Util. Factor	1.00	1.00	0.91	1.00	0.94	0.91
Frpb, ped/bikes	1.00	1.00	1.00	0.98	1.00	1.00
Flpb, ped/bikes	1.00	1.00	1.00	1.00	1.00	1.00
Frt	1.00	0.85	1.00	0.85	1.00	1.00
Flt Protected	0.95	1.00	1.00	1.00	0.95	1.00
Satd. Flow (prot)	1719	1538	4940	1508	4848	4940
Flt Permitted	0.95	1.00	1.00	1.00	0.95	1.00
Satd. Flow (perm)	1719	1538	4940	1508	4848	4940
Peak-hour factor, PHF	1.00	1.00	1.00	1.00	1.00	1.00
Adj. Flow (vph)	430	450	1880	460	770	2310
RTOR Reduction (vph)	0	321	0	162	0	0
Lane Group Flow (vph)	430	129	1880	298	770	2310
Confl. Peds. (#/hr)		5		5		
Turn Type		Over		Perm	Prot	
Protected Phases	8	1	2		1	6
Permitted Phases				2		
Actuated Green, G (s)	34.2	25.8	51.2	51.2	25.8	81.0
Effective Green, g (s)	34.2	25.8	51.2	51.2	25.8	81.0
Actuated g/C Ratio	0.28	0.21	0.42	0.42	0.21	0.66
Clearance Time (s)	4.0	4.0	4.0	4.0	4.0	4.0
Vehicle Extension (s)	3.0	3.0	3.0	3.0	3.0	3.0
Lane Grp Cap (vph)	477	322	2053	627	1015	3248
v/s Ratio Prot	c0.25	0.08	c0.38		c0.16	0.47
v/s Ratio Perm				0.20		
v/c Ratio	0.90	0.40	0.92	0.48	0.76	0.71
Uniform Delay, d1	42.9	42.0	34.0	26.2	45.8	13.6
Progression Factor	1.00	1.00	1.00	1.00	1.00	1.00
Incremental Delay, d2	20.0	0.8	6.9	0.6	3.3	0.8
Delay (s)	62.9	42.8	40.9	26.8	49.1	14.3
Level of Service	E	D	D	C	D	B
Approach Delay (s)	52.6		38.1			23.0
Approach LOS	D		D			C

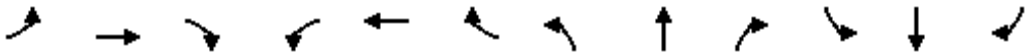
Intersection Summary			
HCM Average Control Delay	32.8	HCM Level of Service	C
HCM Volume to Capacity ratio	0.87		
Actuated Cycle Length (s)	123.2	Sum of lost time (s)	12.0
Intersection Capacity Utilization	86.0%	ICU Level of Service	E
Analysis Period (min)	15		

c Critical Lane Group



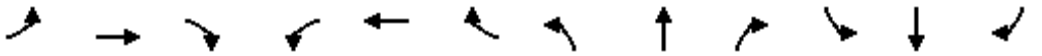
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Volume (vph)	0	0	0	10	0	140	130	1240	0	0	1070	330
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Total Lost time (s)					4.0	4.0	4.0	4.0			4.0	4.0
Lane Util. Factor					1.00	1.00	1.00	0.95			0.95	1.00
Frpb, ped/bikes					1.00	1.00	1.00	1.00			1.00	0.97
Flpb, ped/bikes					1.00	1.00	1.00	1.00			1.00	1.00
Frt					1.00	0.85	1.00	1.00			1.00	0.85
Flt Protected					0.95	1.00	0.95	1.00			1.00	1.00
Satd. Flow (prot)					1752	1568	1752	3505			3505	1517
Flt Permitted					0.95	1.00	0.95	1.00			1.00	1.00
Satd. Flow (perm)					1752	1568	1752	3505			3505	1517
Peak-hour factor, PHF	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
Adj. Flow (vph)	0	0	0	11	0	147	137	1305	0	0	1126	347
RTOR Reduction (vph)	0	0	0	0	0	67	0	0	0	0	0	140
Lane Group Flow (vph)	0	0	0	0	11	80	137	1305	0	0	1126	207
Confl. Peds. (#/hr)									5			5
Heavy Vehicles (%)	3%	3%	3%	3%	3%	3%	3%	3%	3%	3%	3%	3%
Turn Type				Split		Perm	Prot					Perm
Protected Phases				8	8		5	2			6	
Permitted Phases						8						6
Actuated Green, G (s)					7.9	7.9	8.3	54.1			41.8	41.8
Effective Green, g (s)					7.9	7.9	8.3	54.1			41.8	41.8
Actuated g/C Ratio					0.11	0.11	0.12	0.77			0.60	0.60
Clearance Time (s)					4.0	4.0	4.0	4.0			4.0	4.0
Vehicle Extension (s)					3.0	3.0	3.0	3.0			3.0	3.0
Lane Grp Cap (vph)					198	177	208	2709			2093	906
v/s Ratio Prot					0.01		c0.08	0.37			c0.32	
v/s Ratio Perm						c0.05						0.14
v/c Ratio					0.06	0.45	0.66	0.48			0.54	0.23
Uniform Delay, d1					27.7	29.0	29.5	2.9			8.4	6.6
Progression Factor					1.00	1.00	1.39	0.25			1.00	1.00
Incremental Delay, d2					0.1	1.8	6.6	0.5			1.0	0.6
Delay (s)					27.8	30.8	47.6	1.3			9.4	7.2
Level of Service					C	C	D	A			A	A
Approach Delay (s)		0.0			30.6			5.7			8.8	
Approach LOS		A			C			A			A	

Intersection Summary			
HCM Average Control Delay	8.5	HCM Level of Service	A
HCM Volume to Capacity ratio	0.54		
Actuated Cycle Length (s)	70.0	Sum of lost time (s)	12.0
Intersection Capacity Utilization	64.1%	ICU Level of Service	C
Analysis Period (min)	15		
c Critical Lane Group			



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Volume (vph)	340	0	240	0	0	0	0	750	20	420	1120	0
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Total Lost time (s)	4.0	4.0	4.0					4.0		4.0	4.0	
Lane Util. Factor	0.95	0.95	1.00					0.95		1.00	0.95	
Frpb, ped/bikes	1.00	1.00	1.00					1.00		1.00	1.00	
Flpb, ped/bikes	1.00	1.00	1.00					1.00		1.00	1.00	
Frt	1.00	1.00	0.85					1.00		1.00	1.00	
Flt Protected	0.95	0.95	1.00					1.00		0.95	1.00	
Satd. Flow (prot)	1665	1665	1568					3488		1752	3505	
Flt Permitted	0.95	0.95	1.00					1.00		0.95	1.00	
Satd. Flow (perm)	1665	1665	1568					3488		1752	3505	
Peak-hour factor, PHF	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
Adj. Flow (vph)	358	0	253	0	0	0	0	789	21	442	1179	0
RTOR Reduction (vph)	0	0	87	0	0	0	0	3	0	0	0	0
Lane Group Flow (vph)	179	179	166	0	0	0	0	807	0	442	1179	0
Confl. Peds. (#/hr)									5			5
Heavy Vehicles (%)	3%	3%	3%	3%	3%	3%	3%	3%	3%	3%	3%	3%
Turn Type	Perm		Perm							Prot		
Protected Phases		4						2		1	6	
Permitted Phases	4		4									
Actuated Green, G (s)	12.2	12.2	12.2					24.8		21.0	49.8	
Effective Green, g (s)	12.2	12.2	12.2					24.8		21.0	49.8	
Actuated g/C Ratio	0.17	0.17	0.17					0.35		0.30	0.71	
Clearance Time (s)	4.0	4.0	4.0					4.0		4.0	4.0	
Vehicle Extension (s)	3.0	3.0	3.0					3.0		3.0	3.0	
Lane Grp Cap (vph)	290	290	273					1236		526	2494	
v/s Ratio Prot								c0.23		c0.25	0.34	
v/s Ratio Perm	c0.11	0.11	0.11									
v/c Ratio	0.62	0.62	0.61					0.65		0.84	0.47	
Uniform Delay, d1	26.7	26.7	26.7					19.0		22.9	4.4	
Progression Factor	0.87	0.87	0.80					1.00		0.85	0.27	
Incremental Delay, d2	3.8	3.8	3.7					2.7		11.1	0.6	
Delay (s)	27.0	27.0	25.2					21.7		30.4	1.8	
Level of Service	C	C	C					C		C	A	
Approach Delay (s)		26.3			0.0			21.7			9.6	
Approach LOS		C			A			C			A	

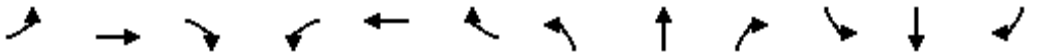
Intersection Summary			
HCM Average Control Delay	16.2	HCM Level of Service	B
HCM Volume to Capacity ratio	0.71		
Actuated Cycle Length (s)	70.0	Sum of lost time (s)	12.0
Intersection Capacity Utilization	64.1%	ICU Level of Service	C
Analysis Period (min)	15		
c Critical Lane Group			



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Volume (vph)	940	100	10	10	60	270	10	10	10	200	10	670
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Total Lost time (s)	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0		4.0	4.0	4.0
Lane Util. Factor	0.94	1.00	1.00	1.00	0.95	1.00	1.00	1.00		1.00	1.00	0.88
Frpb, ped/bikes	1.00	1.00	1.00	1.00	1.00	0.98	1.00	1.00		1.00	1.00	0.99
Flpb, ped/bikes	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00		1.00	1.00	1.00
Frt	1.00	1.00	0.85	1.00	1.00	0.85	1.00	0.93		1.00	1.00	0.85
Flt Protected	0.95	1.00	1.00	0.95	1.00	1.00	0.95	1.00		0.95	1.00	1.00
Satd. Flow (prot)	4848	1810	1538	1719	3438	1506	1719	1674		1719	1810	2684
Flt Permitted	0.95	1.00	1.00	0.95	1.00	1.00	0.95	1.00		0.95	1.00	1.00
Satd. Flow (perm)	4848	1810	1538	1719	3438	1506	1719	1674		1719	1810	2684
Peak-hour factor, PHF	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
Adj. Flow (vph)	989	105	11	11	63	284	11	11	11	211	11	705
RTOR Reduction (vph)	0	0	6	0	0	233	0	10	0	0	0	285
Lane Group Flow (vph)	989	105	5	11	63	51	11	12	0	211	11	420
Confl. Peds. (#/hr)						10						10
Turn Type	Prot		Perm	Prot		Perm	Prot			Prot		pm+ov
Protected Phases	7	4		3	8		5	2		1	6	7
Permitted Phases			4			8						6
Actuated Green, G (s)	24.4	36.8	36.8	0.9	13.3	13.3	0.7	5.2		15.2	19.7	44.1
Effective Green, g (s)	24.4	36.8	36.8	0.9	13.3	13.3	0.7	5.2		15.2	19.7	44.1
Actuated g/C Ratio	0.33	0.50	0.50	0.01	0.18	0.18	0.01	0.07		0.21	0.27	0.60
Clearance Time (s)	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0		4.0	4.0	4.0
Vehicle Extension (s)	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0		3.0	3.0	3.0
Lane Grp Cap (vph)	1596	899	764	21	617	270	16	117		353	481	1742
v/s Ratio Prot	c0.20	0.06		0.01	0.02		0.01	0.01		c0.12	0.01	c0.08
v/s Ratio Perm			0.00			c0.03						0.08
v/c Ratio	0.62	0.12	0.01	0.52	0.10	0.19	0.69	0.10		0.60	0.02	0.24
Uniform Delay, d1	20.9	10.0	9.4	36.4	25.4	25.8	36.6	32.3		26.7	20.1	7.1
Progression Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00		1.00	1.00	1.00
Incremental Delay, d2	0.7	0.1	0.0	21.6	0.1	0.3	80.1	0.4		2.7	0.0	0.1
Delay (s)	21.7	10.0	9.4	58.0	25.5	26.2	116.7	32.6		29.4	20.1	7.2
Level of Service	C	B	A	E	C	C	F	C		C	C	A
Approach Delay (s)		20.4			27.0			60.7			12.4	
Approach LOS		C			C			E			B	

Intersection Summary			
HCM Average Control Delay	18.9	HCM Level of Service	B
HCM Volume to Capacity ratio	0.47		
Actuated Cycle Length (s)	74.1	Sum of lost time (s)	12.0
Intersection Capacity Utilization	49.6%	ICU Level of Service	A
Analysis Period (min)	15		

c Critical Lane Group



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Volume (vph)	100	50	150	90	310	50	670	1460	100	30	1740	390
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Total Lost time (s)	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lane Util. Factor	0.97	1.00	1.00	1.00	1.00	1.00	0.97	0.91	1.00	1.00	0.91	1.00
Frpb, ped/bikes	1.00	1.00	0.99	1.00	1.00	0.98	1.00	1.00	0.96	1.00	1.00	0.99
Flpb, ped/bikes	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Frt	1.00	1.00	0.85	1.00	1.00	0.85	1.00	1.00	0.85	1.00	1.00	0.85
Flt Protected	0.95	1.00	1.00	0.95	1.00	1.00	0.95	1.00	1.00	0.95	1.00	1.00
Satd. Flow (prot)	3433	1863	1560	1770	1863	1550	3433	5085	1513	1770	5085	1560
Flt Permitted	0.95	1.00	1.00	0.95	1.00	1.00	0.95	1.00	1.00	0.95	1.00	1.00
Satd. Flow (perm)	3433	1863	1560	1770	1863	1550	3433	5085	1513	1770	5085	1560
Peak-hour factor, PHF	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj. Flow (vph)	100	50	150	90	310	50	670	1460	100	30	1740	390
RTOR Reduction (vph)	0	0	0	0	0	39	0	0	43	0	0	0
Lane Group Flow (vph)	100	50	150	90	310	11	670	1460	57	30	1740	390
Confl. Peds. (#/hr)			10			10			10			10
Heavy Vehicles (%)	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%
Turn Type	Prot		Free	Prot		Perm	Prot		Perm	Prot		Free
Protected Phases	7	4		3	8		5	2		1	6	
Permitted Phases			Free			8			2			Free
Actuated Green, G (s)	8.4	24.8	105.4	7.5	23.9	23.9	24.0	53.2	53.2	3.9	33.1	105.4
Effective Green, g (s)	8.4	24.8	105.4	7.5	23.9	23.9	24.0	53.2	53.2	3.9	33.1	105.4
Actuated g/C Ratio	0.08	0.24	1.00	0.07	0.23	0.23	0.23	0.50	0.50	0.04	0.31	1.00
Clearance Time (s)	4.0	4.0		4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	
Vehicle Extension (s)	3.0	3.0		3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	
Lane Grp Cap (vph)	274	438	1560	126	422	351	782	2567	764	65	1597	1560
v/s Ratio Prot	0.03	0.03		c0.05	c0.17		c0.20	0.29		0.02	c0.34	
v/s Ratio Perm			0.10			0.01			0.04			c0.25
v/c Ratio	0.36	0.11	0.10	0.71	0.73	0.03	0.86	0.57	0.07	0.46	1.09	0.25
Uniform Delay, d1	46.0	31.7	0.0	47.9	37.8	31.7	39.1	18.1	13.4	49.7	36.2	0.0
Progression Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Incremental Delay, d2	0.8	0.1	0.1	17.4	6.5	0.0	9.2	0.3	0.0	5.1	51.1	0.4
Delay (s)	46.8	31.8	0.1	65.3	44.3	31.8	48.2	18.4	13.5	54.8	87.3	0.4
Level of Service	D	C	A	E	D	C	D	B	B	D	F	A
Approach Delay (s)		21.0			47.1			27.2			71.1	
Approach LOS		C			D			C			E	

Intersection Summary			
HCM Average Control Delay	47.0	HCM Level of Service	D
HCM Volume to Capacity ratio	0.89		
Actuated Cycle Length (s)	105.4	Sum of lost time (s)	16.0
Intersection Capacity Utilization	89.1%	ICU Level of Service	E
Analysis Period (min)	15		
c Critical Lane Group			



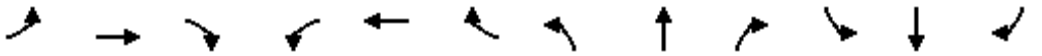
Movement	WBL	WBR	NBT	NBR	SBL	SBT
Lane Configurations						
Volume (veh/h)	120	200	2250	250	100	3170
Sign Control	Stop		Free			Free
Grade	0%		0%			0%
Peak Hour Factor	0.95	0.95	0.95	0.95	0.95	0.95
Hourly flow rate (vph)	126	211	2368	263	105	3337
Pedestrians						
Lane Width (ft)						
Walking Speed (ft/s)						
Percent Blockage						
Right turn flare (veh)						
Median type			None			None
Median storage veh)						
Upstream signal (ft)						
pX, platoon unblocked						
vC, conflicting volume	4247	1184			2632	
vC1, stage 1 conf vol						
vC2, stage 2 conf vol						
vCu, unblocked vol	4247	1184			2632	
tC, single (s)	6.9	7.0			4.2	
tC, 2 stage (s)						
tF (s)	3.5	3.3			2.2	
p0 queue free %	0	0			30	
cM capacity (veh/h)	0	177			151	

Direction, Lane #	WB 1	NB 1	NB 2	NB 3	SB 1	SB 2	SB 3
Volume Total	337	1184	1184	263	105	1668	1668
Volume Left	126	0	0	0	105	0	0
Volume Right	211	0	0	263	0	0	0
cSH	1	1700	1700	1700	151	1700	1700
Volume to Capacity	331.20	0.70	0.70	0.15	0.70	0.98	0.98
Queue Length 95th (ft)	Err	0	0	0	101	0	0
Control Delay (s)	Err	0.0	0.0	0.0	70.4	0.0	0.0
Lane LOS	F				F		
Approach Delay (s)	Err	0.0			2.2		
Approach LOS	F						

Intersection Summary			
Average Delay	526.6		
Intersection Capacity Utilization	113.2%	ICU Level of Service	H
Analysis Period (min)	15		

2035 Plus Phase 1 Mitigation
LOS Calculation Worksheets

FEHR PEERS



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Volume (vph)	0	0	0	610	0	1740	70	300	0	0	1670	350
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Total Lost time (s)					4.0	2.9	4.0	4.0			4.0	2.3
Lane Util. Factor					1.00	0.88	1.00	0.95			0.91	1.00
Frpb, ped/bikes					1.00	1.00	1.00	1.00			1.00	0.99
Flpb, ped/bikes					1.00	1.00	1.00	1.00			1.00	1.00
Frt					1.00	0.85	1.00	1.00			1.00	0.85
Flt Protected					0.95	1.00	0.95	1.00			1.00	1.00
Satd. Flow (prot)					1641	2584	1641	3282			4715	1450
Flt Permitted					0.95	1.00	0.95	1.00			1.00	1.00
Satd. Flow (perm)					1641	2584	1641	3282			4715	1450
Peak-hour factor, PHF	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj. Flow (vph)	0	0	0	610	0	1740	70	300	0	0	1670	350
RTOR Reduction (vph)	0	0	0	0	0	0	0	0	0	0	0	0
Lane Group Flow (vph)	0	0	0	0	610	1740	70	300	0	0	1670	350
Confl. Peds. (#/hr)									10			
Confl. Bikes (#/hr)												2
Heavy Vehicles (%)	10%	10%	10%	10%	10%	10%	10%	10%	10%	10%	10%	10%
Turn Type				Split		Free	Prot					Free
Protected Phases				8	8		5	2			6	
Permitted Phases						Free						Free
Actuated Green, G (s)					52.9	130.0	8.9	66.3			52.9	130.0
Effective Green, g (s)					54.0	130.0	9.4	68.0			54.6	130.0
Actuated g/C Ratio					0.42	1.00	0.07	0.52			0.42	1.00
Clearance Time (s)					5.1		4.5	5.7			5.7	
Vehicle Extension (s)					2.3		4.0	4.0			4.0	
Lane Grp Cap (vph)					682	2584	119	1717			1980	1450
v/s Ratio Prot					c0.37		0.04	0.09			c0.35	
v/s Ratio Perm						c0.67						0.24
v/c Ratio					0.89	0.67	0.59	0.17			0.84	0.24
Uniform Delay, d1					35.3	0.0	58.4	16.3			33.9	0.0
Progression Factor					1.00	1.00	0.90	0.74			1.00	1.00
Incremental Delay, d2					14.0	1.4	8.5	0.2			4.6	0.4
Delay (s)					49.4	1.4	61.0	12.2			38.5	0.4
Level of Service					D	A	E	B			D	A
Approach Delay (s)		0.0			13.9			21.5			31.9	
Approach LOS		A			B			C			C	

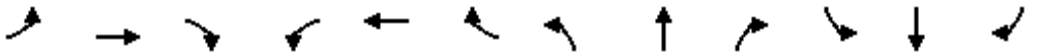
Intersection Summary			
HCM Average Control Delay	22.1	HCM Level of Service	C
HCM Volume to Capacity ratio	0.85		
Actuated Cycle Length (s)	130.0	Sum of lost time (s)	8.0
Intersection Capacity Utilization	82.7%	ICU Level of Service	E
Analysis Period (min)	15		

c Critical Lane Group



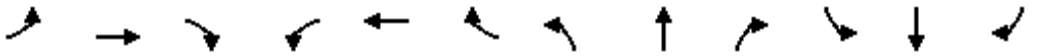
Movement	WBL	WBR	NBT	NBR	SBL	SBT
Lane Configurations						
Volume (vph)	40	160	310	30	350	320
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900
Total Lost time (s)	4.0	4.0	4.0	4.0	4.0	4.0
Lane Util. Factor	1.00	1.00	1.00	1.00	1.00	1.00
Frpb, ped/bikes	1.00	0.96	1.00	0.96	1.00	1.00
Flpb, ped/bikes	1.00	1.00	1.00	1.00	1.00	1.00
Frt	1.00	0.85	1.00	0.85	1.00	1.00
Flt Protected	0.95	1.00	1.00	1.00	0.95	1.00
Satd. Flow (prot)	1641	1411	1727	1411	1641	1727
Flt Permitted	0.95	1.00	1.00	1.00	0.95	1.00
Satd. Flow (perm)	1641	1411	1727	1411	1641	1727
Peak-hour factor, PHF	1.00	1.00	1.00	1.00	1.00	1.00
Adj. Flow (vph)	40	160	310	30	350	320
RTOR Reduction (vph)	0	141	0	17	0	0
Lane Group Flow (vph)	40	19	310	13	350	320
Confl. Peds. (#/hr)		10		10		
Heavy Vehicles (%)	10%	10%	10%	10%	10%	10%
Turn Type		Perm		Perm	Prot	
Protected Phases	8		2		1	6
Permitted Phases		8		2		
Actuated Green, G (s)	7.6	7.6	29.2	29.2	16.2	49.4
Effective Green, g (s)	7.6	7.6	29.2	29.2	16.2	49.4
Actuated g/C Ratio	0.12	0.12	0.45	0.45	0.25	0.76
Clearance Time (s)	4.0	4.0	4.0	4.0	4.0	4.0
Vehicle Extension (s)	3.0	3.0	3.0	3.0	3.0	3.0
Lane Grp Cap (vph)	192	165	776	634	409	1313
v/s Ratio Prot	c0.02		c0.18		c0.21	0.19
v/s Ratio Perm		0.01		0.01		
v/c Ratio	0.21	0.11	0.40	0.02	0.86	0.24
Uniform Delay, d1	26.0	25.7	12.0	10.0	23.3	2.3
Progression Factor	1.00	1.00	1.00	1.00	0.94	0.91
Incremental Delay, d2	0.5	0.3	1.5	0.1	15.8	0.4
Delay (s)	26.5	26.0	13.5	10.0	37.7	2.5
Level of Service	C	C	B	B	D	A
Approach Delay (s)	26.1		13.2			20.9
Approach LOS	C		B			C

Intersection Summary			
HCM Average Control Delay	19.6	HCM Level of Service	B
HCM Volume to Capacity ratio	0.51		
Actuated Cycle Length (s)	65.0	Sum of lost time (s)	12.0
Intersection Capacity Utilization	52.1%	ICU Level of Service	A
Analysis Period (min)	15		
c Critical Lane Group			



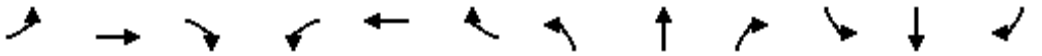
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Volume (vph)	30	120	40	200	480	250	80	1720	110	80	1220	110
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Total Lost time (s)	4.0	4.0	4.0	4.0	4.0		4.0	4.0	4.0	4.0	4.0	4.0
Lane Util. Factor	1.00	0.95	1.00	1.00	0.95		1.00	0.91	1.00	1.00	0.91	1.00
Frpb, ped/bikes	1.00	1.00	0.98	1.00	0.99		1.00	1.00	0.98	1.00	1.00	0.98
Flpb, ped/bikes	1.00	1.00	1.00	1.00	1.00		1.00	1.00	1.00	1.00	1.00	1.00
Frt	1.00	1.00	0.85	1.00	0.95		1.00	1.00	0.85	1.00	1.00	0.85
Flt Protected	0.95	1.00	1.00	0.95	1.00		0.95	1.00	1.00	0.95	1.00	1.00
Satd. Flow (prot)	1770	3539	1550	1770	3333		1770	5085	1555	1770	5085	1552
Flt Permitted	0.95	1.00	1.00	0.95	1.00		0.95	1.00	1.00	0.95	1.00	1.00
Satd. Flow (perm)	1770	3539	1550	1770	3333		1770	5085	1555	1770	5085	1552
Peak-hour factor, PHF	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj. Flow (vph)	30	120	40	200	480	250	80	1720	110	80	1220	110
RTOR Reduction (vph)	0	0	32	0	59	0	0	0	36	0	0	54
Lane Group Flow (vph)	30	120	8	200	671	0	80	1720	74	80	1220	56
Confl. Peds. (#/hr)			10			10			10			10
Heavy Vehicles (%)	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%
Turn Type	Prot		Perm	Prot			Prot		pm+ov	Prot		pm+ov
Protected Phases	7	4		3	8		5	2	3	1	6	7
Permitted Phases			4						2			6
Actuated Green, G (s)	7.1	19.9	19.9	16.4	29.2		6.7	45.1	61.5	7.2	45.6	52.7
Effective Green, g (s)	7.1	19.9	19.9	16.4	29.2		6.7	45.1	61.5	7.2	45.6	52.7
Actuated g/C Ratio	0.07	0.19	0.19	0.16	0.28		0.06	0.43	0.59	0.07	0.44	0.50
Clearance Time (s)	4.0	4.0	4.0	4.0	4.0		4.0	4.0	4.0	4.0	4.0	4.0
Vehicle Extension (s)	3.0	3.0	3.0	3.0	3.0		3.0	3.0	3.0	3.0	3.0	3.0
Lane Grp Cap (vph)	120	673	295	278	930		113	2192	974	122	2217	841
v/s Ratio Prot	0.02	0.03		c0.11	c0.20		c0.05	c0.34	0.01	0.05	0.24	0.00
v/s Ratio Perm			0.00						0.04			0.03
v/c Ratio	0.25	0.18	0.03	0.72	0.72		0.71	0.78	0.08	0.66	0.55	0.07
Uniform Delay, d1	46.2	35.5	34.5	41.9	34.0		48.0	25.6	9.3	47.5	21.9	13.3
Progression Factor	1.00	1.00	1.00	1.00	1.00		1.00	1.00	1.00	1.00	1.00	1.00
Incremental Delay, d2	1.1	0.1	0.0	8.6	2.8		18.3	1.9	0.0	12.0	0.3	0.0
Delay (s)	47.3	35.6	34.5	50.5	36.8		66.3	27.5	9.3	59.5	22.2	13.4
Level of Service	D	D	C	D	D		E	C	A	E	C	B
Approach Delay (s)		37.2			39.8			28.1			23.6	
Approach LOS		D			D			C			C	

Intersection Summary			
HCM Average Control Delay	29.5	HCM Level of Service	C
HCM Volume to Capacity ratio	0.74		
Actuated Cycle Length (s)	104.6	Sum of lost time (s)	12.0
Intersection Capacity Utilization	73.6%	ICU Level of Service	D
Analysis Period (min)	15		
c Critical Lane Group			



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Volume (vph)	30	40	30	100	230	240	40	2350	30	140	1190	30
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Total Lost time (s)	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lane Util. Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.91	1.00	0.97	0.91	1.00
Frpb, ped/bikes	1.00	1.00	0.98	1.00	1.00	0.98	1.00	1.00	0.98	1.00	1.00	0.96
Flpb, ped/bikes	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Frt	1.00	1.00	0.85	1.00	1.00	0.85	1.00	1.00	0.85	1.00	1.00	0.85
Flt Protected	0.95	1.00	1.00	0.95	1.00	1.00	0.95	1.00	1.00	0.95	1.00	1.00
Satd. Flow (prot)	1641	1727	1440	1641	1727	1440	1641	4715	1436	3183	4715	1411
Flt Permitted	0.43	1.00	1.00	0.73	1.00	1.00	0.95	1.00	1.00	0.95	1.00	1.00
Satd. Flow (perm)	745	1727	1440	1263	1727	1440	1641	4715	1436	3183	4715	1411
Peak-hour factor, PHF	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj. Flow (vph)	30	40	30	100	230	240	40	2350	30	140	1190	30
RTOR Reduction (vph)	0	0	23	0	0	122	0	0	9	0	0	12
Lane Group Flow (vph)	30	40	7	100	230	118	40	2350	21	140	1190	18
Confl. Peds. (#/hr)			10			10			10			10
Heavy Vehicles (%)	10%	10%	10%	10%	10%	10%	10%	10%	10%	10%	10%	10%
Turn Type	Perm		Perm	Perm		Perm	Prot		Perm	Prot		Perm
Protected Phases		4			8		5	2		1	6	
Permitted Phases	4		4	8		8			2			6
Actuated Green, G (s)	18.0	18.0	18.0	18.0	18.0	18.0	4.0	44.3	44.3	7.7	48.0	48.0
Effective Green, g (s)	18.0	18.0	18.0	18.0	18.0	18.0	4.0	44.3	44.3	7.7	48.0	48.0
Actuated g/C Ratio	0.22	0.22	0.22	0.22	0.22	0.22	0.05	0.54	0.54	0.09	0.59	0.59
Clearance Time (s)	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Vehicle Extension (s)	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
Lane Grp Cap (vph)	164	379	316	277	379	316	80	2547	776	299	2760	826
v/s Ratio Prot		0.02			c0.13		0.02	c0.50		c0.04	c0.25	
v/s Ratio Perm	0.04		0.00	0.08		0.08			0.01			0.01
v/c Ratio	0.18	0.11	0.02	0.36	0.61	0.37	0.50	0.92	0.03	0.47	0.43	0.02
Uniform Delay, d1	26.0	25.6	25.1	27.1	28.8	27.2	38.0	17.3	8.8	35.2	9.4	7.1
Progression Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Incremental Delay, d2	0.5	0.1	0.0	0.8	2.7	0.7	4.8	6.2	0.0	1.2	0.1	0.0
Delay (s)	26.6	25.7	25.1	27.9	31.6	28.0	42.9	23.5	8.8	36.4	9.5	7.1
Level of Service	C	C	C	C	C	C	D	C	A	D	A	A
Approach Delay (s)		25.8			29.4			23.7			12.2	
Approach LOS		C			C			C			B	

Intersection Summary			
HCM Average Control Delay	21.0	HCM Level of Service	C
HCM Volume to Capacity ratio	0.83		
Actuated Cycle Length (s)	82.0	Sum of lost time (s)	16.0
Intersection Capacity Utilization	82.8%	ICU Level of Service	E
Analysis Period (min)	15		
c Critical Lane Group			



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Volume (vph)	0	0	0	260	0	1830	240	800	0	0	2240	160
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Total Lost time (s)					4.0	2.9	4.0	4.0			4.0	2.3
Lane Util. Factor					1.00	0.88	1.00	0.95			0.91	1.00
Frpb, ped/bikes					1.00	1.00	1.00	1.00			1.00	0.99
Flpb, ped/bikes					1.00	1.00	1.00	1.00			1.00	1.00
Frt					1.00	0.85	1.00	1.00			1.00	0.85
Flt Protected					0.95	1.00	0.95	1.00			1.00	1.00
Satd. Flow (prot)					1719	2707	1719	3438			4940	1519
Flt Permitted					0.95	1.00	0.95	1.00			1.00	1.00
Satd. Flow (perm)					1719	2707	1719	3438			4940	1519
Peak-hour factor, PHF	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj. Flow (vph)	0	0	0	260	0	1830	240	800	0	0	2240	160
RTOR Reduction (vph)	0	0	0	0	0	0	0	0	0	0	0	0
Lane Group Flow (vph)	0	0	0	0	260	1830	240	800	0	0	2240	160
Confl. Peds. (#/hr)									10			
Confl. Bikes (#/hr)												2
Turn Type				Split		Free	Prot					Free
Protected Phases				8	8		5	2			6	
Permitted Phases						Free						Free
Actuated Green, G (s)					27.8	150.0	26.0	111.4			80.9	150.0
Effective Green, g (s)					28.9	150.0	26.5	113.1			82.6	150.0
Actuated g/C Ratio					0.19	1.00	0.18	0.75			0.55	1.00
Clearance Time (s)					5.1		4.5	5.7			5.7	
Vehicle Extension (s)					2.3		4.0	4.0			4.0	
Lane Grp Cap (vph)					331	2707	304	2592			2720	1519
v/s Ratio Prot					c0.15		c0.14	0.23			c0.45	
v/s Ratio Perm						0.68						0.11
v/c Ratio					0.79	0.68	0.79	0.31			0.82	0.11
Uniform Delay, d1					57.6	0.0	59.1	5.9			27.7	0.0
Progression Factor					1.00	1.00	1.02	1.07			1.00	1.00
Incremental Delay, d2					11.0	1.4	13.0	0.3			3.0	0.1
Delay (s)					68.6	1.4	73.5	6.6			30.7	0.1
Level of Service					E	A	E	A			C	A
Approach Delay (s)		0.0			9.7			22.1			28.6	
Approach LOS		A			A			C			C	

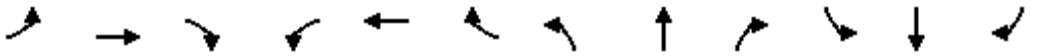
Intersection Summary			
HCM Average Control Delay	20.3	HCM Level of Service	C
HCM Volume to Capacity ratio	0.81		
Actuated Cycle Length (s)	150.0	Sum of lost time (s)	12.0
Intersection Capacity Utilization	81.0%	ICU Level of Service	D
Analysis Period (min)	15		
c Critical Lane Group			



Movement	WBL	WBR	NBT	NBR	SBL	SBT
Lane Configurations						
Volume (vph)	20	470	570	40	250	560
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900
Total Lost time (s)	4.0	4.0	4.0	4.0	4.0	4.0
Lane Util. Factor	1.00	1.00	1.00	1.00	1.00	1.00
Frpb, ped/bikes	1.00	0.96	1.00	0.96	1.00	1.00
Flpb, ped/bikes	1.00	1.00	1.00	1.00	1.00	1.00
Frt	1.00	0.85	1.00	0.85	1.00	1.00
Flt Protected	0.95	1.00	1.00	1.00	0.95	1.00
Satd. Flow (prot)	1719	1474	1810	1474	1719	1810
Flt Permitted	0.95	1.00	1.00	1.00	0.95	1.00
Satd. Flow (perm)	1719	1474	1810	1474	1719	1810
Peak-hour factor, PHF	1.00	1.00	1.00	1.00	1.00	1.00
Adj. Flow (vph)	20	470	570	40	250	560
RTOR Reduction (vph)	0	413	0	19	0	0
Lane Group Flow (vph)	20	57	570	21	250	560
Confl. Peds. (#/hr)		10		10		
Turn Type		Perm		Perm	Prot	
Protected Phases	8		2		1	6
Permitted Phases		8		2		
Actuated Green, G (s)	9.1	9.1	39.5	39.5	14.4	57.9
Effective Green, g (s)	9.1	9.1	39.5	39.5	14.4	57.9
Actuated g/C Ratio	0.12	0.12	0.53	0.53	0.19	0.77
Clearance Time (s)	4.0	4.0	4.0	4.0	4.0	4.0
Vehicle Extension (s)	3.0	3.0	3.0	3.0	3.0	3.0
Lane Grp Cap (vph)	209	179	953	776	330	1397
v/s Ratio Prot	0.01		c0.32		c0.15	0.31
v/s Ratio Perm		c0.04		0.01		
v/c Ratio	0.10	0.32	0.60	0.03	0.76	0.40
Uniform Delay, d1	29.3	30.1	12.3	8.5	28.6	2.8
Progression Factor	1.00	1.00	1.00	1.00	0.78	0.76
Incremental Delay, d2	0.2	1.0	2.8	0.1	9.4	0.8
Delay (s)	29.5	31.1	15.0	8.6	31.6	3.0
Level of Service	C	C	B	A	C	A
Approach Delay (s)	31.1		14.6			11.8
Approach LOS	C		B			B

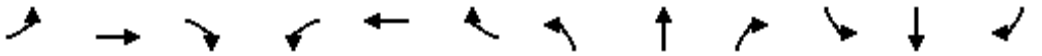
Intersection Summary			
HCM Average Control Delay	17.7	HCM Level of Service	B
HCM Volume to Capacity ratio	0.59		
Actuated Cycle Length (s)	75.0	Sum of lost time (s)	12.0
Intersection Capacity Utilization	66.8%	ICU Level of Service	C
Analysis Period (min)	15		

c Critical Lane Group



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Volume (vph)	100	590	90	240	390	140	30	1990	350	280	2360	40
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Total Lost time (s)	4.0	4.0	4.0	4.0	4.0		4.0	4.0	4.0	4.0	4.0	4.0
Lane Util. Factor	1.00	0.95	1.00	1.00	0.95		1.00	0.91	1.00	1.00	0.91	1.00
Frpb, ped/bikes	1.00	1.00	0.98	1.00	0.99		1.00	1.00	0.98	1.00	1.00	0.98
Flpb, ped/bikes	1.00	1.00	1.00	1.00	1.00		1.00	1.00	1.00	1.00	1.00	1.00
Frt	1.00	1.00	0.85	1.00	0.96		1.00	1.00	0.85	1.00	1.00	0.85
Flt Protected	0.95	1.00	1.00	0.95	1.00		0.95	1.00	1.00	0.95	1.00	1.00
Satd. Flow (prot)	1770	3539	1544	1770	3377		1770	5085	1548	1770	5085	1546
Flt Permitted	0.95	1.00	1.00	0.95	1.00		0.95	1.00	1.00	0.95	1.00	1.00
Satd. Flow (perm)	1770	3539	1544	1770	3377		1770	5085	1548	1770	5085	1546
Peak-hour factor, PHF	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj. Flow (vph)	100	590	90	240	390	140	30	1990	350	280	2360	40
RTOR Reduction (vph)	0	0	53	0	24	0	0	0	25	0	0	10
Lane Group Flow (vph)	100	590	37	240	506	0	30	1990	325	280	2360	30
Confl. Peds. (#/hr)			10			10			10			10
Heavy Vehicles (%)	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%
Turn Type	Prot		Perm	Prot			Prot		pm+ov	Prot		pm+ov
Protected Phases	7	4		3	8		5	2	3	1	6	7
Permitted Phases			4						2			6
Actuated Green, G (s)	12.9	29.4	29.4	20.0	36.5		3.2	58.0	78.0	23.0	77.8	90.7
Effective Green, g (s)	12.9	29.4	29.4	20.0	36.5		3.2	58.0	78.0	23.0	77.8	90.7
Actuated g/C Ratio	0.09	0.20	0.20	0.14	0.25		0.02	0.40	0.53	0.16	0.53	0.62
Clearance Time (s)	4.0	4.0	4.0	4.0	4.0		4.0	4.0	4.0	4.0	4.0	4.0
Vehicle Extension (s)	3.0	3.0	3.0	3.0	3.0		3.0	3.0	3.0	3.0	3.0	3.0
Lane Grp Cap (vph)	156	711	310	242	842		39	2015	867	278	2702	1000
v/s Ratio Prot	0.06	c0.17		c0.14	0.15		0.02	c0.39	0.05	c0.16	0.46	0.00
v/s Ratio Perm			0.02						0.16			0.02
v/c Ratio	0.64	0.83	0.12	0.99	0.60		0.77	0.99	0.38	1.01	0.87	0.03
Uniform Delay, d1	64.5	56.1	47.9	63.1	48.5		71.2	43.8	20.0	61.7	30.0	10.8
Progression Factor	1.00	1.00	1.00	1.00	1.00		1.00	1.00	1.00	1.00	1.00	1.00
Incremental Delay, d2	8.7	8.0	0.2	55.3	1.2		60.6	17.0	0.3	55.8	3.4	0.0
Delay (s)	73.2	64.1	48.1	118.4	49.7		131.8	60.9	20.2	117.5	33.4	10.8
Level of Service	E	E	D	F	D		F	E	C	F	C	B
Approach Delay (s)		63.4			71.1			55.8			41.9	
Approach LOS		E			E			E			D	

Intersection Summary			
HCM Average Control Delay	52.8	HCM Level of Service	D
HCM Volume to Capacity ratio	0.96		
Actuated Cycle Length (s)	146.4	Sum of lost time (s)	16.0
Intersection Capacity Utilization	100.3%	ICU Level of Service	G
Analysis Period (min)	15		
c Critical Lane Group			



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Volume (vph)	30	220	250	30	190	220	90	2320	80	500	2870	30
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Total Lost time (s)	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lane Util. Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.91	1.00	0.97	0.91	1.00
Frpb, ped/bikes	1.00	1.00	0.98	1.00	1.00	0.98	1.00	1.00	0.98	1.00	1.00	0.96
Flpb, ped/bikes	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Frt	1.00	1.00	0.85	1.00	1.00	0.85	1.00	1.00	0.85	1.00	1.00	0.85
Flt Protected	0.95	1.00	1.00	0.95	1.00	1.00	0.95	1.00	1.00	0.95	1.00	1.00
Satd. Flow (prot)	1719	1810	1511	1719	1810	1511	1719	4940	1508	3335	4940	1484
Flt Permitted	0.39	1.00	1.00	0.32	1.00	1.00	0.95	1.00	1.00	0.95	1.00	1.00
Satd. Flow (perm)	709	1810	1511	576	1810	1511	1719	4940	1508	3335	4940	1484
Peak-hour factor, PHF	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj. Flow (vph)	30	220	250	30	190	220	90	2320	80	500	2870	30
RTOR Reduction (vph)	0	0	76	0	0	182	0	0	18	0	0	5
Lane Group Flow (vph)	30	220	174	30	190	38	90	2320	62	500	2870	25
Confl. Peds. (#/hr)			5			5			5			5
Turn Type	Perm		Perm	Perm		Perm	Prot		Perm	Prot		Perm
Protected Phases		4			8		5	2		1	6	
Permitted Phases	4		4	8		8			2			6
Actuated Green, G (s)	22.2	22.2	22.2	22.2	22.2	22.2	8.1	70.1	70.1	24.3	86.3	86.3
Effective Green, g (s)	22.2	22.2	22.2	22.2	22.2	22.2	8.1	70.1	70.1	24.3	86.3	86.3
Actuated g/C Ratio	0.17	0.17	0.17	0.17	0.17	0.17	0.06	0.55	0.55	0.19	0.67	0.67
Clearance Time (s)	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Vehicle Extension (s)	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
Lane Grp Cap (vph)	122	312	261	99	312	261	108	2693	822	630	3315	996
v/s Ratio Prot		c0.12			0.10		0.05	0.47		c0.15	c0.58	
v/s Ratio Perm	0.04		0.12	0.05		0.03			0.04			0.02
v/c Ratio	0.25	0.71	0.67	0.30	0.61	0.15	0.83	0.86	0.08	0.79	0.87	0.02
Uniform Delay, d1	46.0	50.1	49.7	46.4	49.2	45.2	59.6	25.1	13.9	49.8	16.6	7.1
Progression Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Incremental Delay, d2	1.1	7.1	6.3	1.7	3.4	0.3	39.7	3.1	0.0	6.8	2.6	0.0
Delay (s)	47.0	57.2	56.0	48.2	52.5	45.4	99.3	28.2	13.9	56.6	19.2	7.1
Level of Service	D	E	E	D	D	D	F	C	B	E	B	A
Approach Delay (s)		56.0			48.7			30.3			24.6	
Approach LOS		E			D			C			C	

Intersection Summary			
HCM Average Control Delay	30.5	HCM Level of Service	C
HCM Volume to Capacity ratio	0.84		
Actuated Cycle Length (s)	128.6	Sum of lost time (s)	12.0
Intersection Capacity Utilization	91.3%	ICU Level of Service	F
Analysis Period (min)	15		

c Critical Lane Group

Roundabout Analysis
LOS Calculation Worksheets

FEHR & PEERS

MOVEMENT SUMMARY

Site: Mountain House / I-580 EB Ramps_PM - Revised

Roundabout with 2-lane approaches and circulating road
MUTCD (FHWA 2009) example number: 3C-6
Roundabout Guide (TRB 2010) example number: A-7
Roundabout

Movement Performance - Vehicles

Mov ID	Turn	Demand Flow veh/h	HV %	Deg. Satn v/c	Average Delay sec	Level of Service	95% Back of Queue Vehicles veh	95% Back of Queue Distance ft	Prop. Queued	Effective Stop Rate per veh	Average Speed mph
South: Mountain House Parkway											
8	T	209	1.0	0.616	18.6	LOS C	5.0	126.2	0.86	1.05	28.2
18	R	154	1.0	0.616	19.7	LOS C	5.0	126.2	0.86	1.07	28.0
Approach		363	1.0	0.616	19.1	LOS C	5.0	126.2	0.86	1.06	28.1
North: Mountain House Parkway											
7	L	516	10.0	0.365	13.9	LOS B	0.0	0.0	0.00	0.76	32.0
4	T	22	0.0	0.365	7.3	LOS A	0.0	0.0	0.00	0.48	36.6
Approach		538	9.6	0.365	13.7	LOS B	0.0	0.0	0.00	0.75	32.1
West: I-580 Eastbound Off-Ramp											
5	L	297	9.0	0.519	18.4	LOS C	3.1	82.8	0.65	0.97	27.5
2	T	11	25.0	0.519	12.8	LOS B	3.1	82.8	0.65	0.86	29.9
12	R	77	0.0	0.519	12.9	LOS B	3.1	82.8	0.65	0.88	29.5
Approach		385	7.7	0.519	17.2	LOS C	3.1	82.8	0.65	0.95	27.9
All Vehicles		1286	6.6	0.616	16.2	LOS C	5.0	126.2	0.44	0.89	29.6

Level of Service (LOS) Method: Delay (HCM 2000).
Roundabout LOS Method: Same as Sign Control.
Vehicle movement LOS values are based on average delay per movement
Intersection and Approach LOS values are based on average delay for all vehicle movements.
Roundabout Capacity Model: SIDRA Standard.
SIDRA Standard Delay Model used.

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MOVEMENT SUMMARY

Site: 2035 No Project: Mountain House / I-580 WB Ramps_AM

Roundabout with 2-lane approaches and circulating road
MUTCD (FHWA 2009) example number: 3C-6
Roundabout Guide (TRB 2010) example number: A-7
Roundabout

Movement Performance - Vehicles

Mov ID	Turn	Demand Flow veh/h	HV %	Deg. Satn v/c	Average Delay sec	Level of Service	95% Back of Queue Vehicles veh	95% Back of Queue Distance ft	Prop. Queued	Effective Stop Rate per veh	Average Speed mph
South: Mountain House Parkway											
3	L	21	15.0	0.082	14.2	LOS B	0.0	0.0	0.00	0.93	32.0
8	T	95	15.0	0.082	8.0	LOS A	0.0	0.0	0.00	0.53	36.6
Approach		116	15.0	0.082	9.1	LOS A	0.0	0.0	0.00	0.60	35.6
East: I-580 Westbound Off-Ramp											
1	L	63	15.0	0.277	14.2	LOS B	1.1	29.8	0.26	0.77	29.9
6	T	1	15.0	0.277	7.9	LOS A	1.1	29.8	0.26	0.51	32.9
16	R	200	15.0	0.277	9.1	LOS A	1.1	29.8	0.26	0.59	32.4
Approach		264	15.0	0.277	10.3	LOS B	1.1	29.8	0.26	0.63	31.7
North: Mountain House Parkway											
4	T	284	15.0	0.242	8.3	LOS A	1.0	26.9	0.21	0.54	35.4
14	R	200	15.0	0.172	8.9	LOS A	0.6	16.4	0.09	0.57	35.4
Approach		484	15.0	0.242	8.6	LOS A	1.0	26.9	0.16	0.55	35.4
All Vehicles		864	15.0	0.277	9.2	LOS A	1.1	29.8	0.17	0.58	34.2

Level of Service (LOS) Method: Delay (HCM 2000).
Roundabout LOS Method: Same as Sign Control.
Vehicle movement LOS values are based on average delay per movement
Intersection and Approach LOS values are based on average delay for all vehicle movements.
Roundabout Capacity Model: SIDRA Standard.
SIDRA Standard Delay Model used.

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MOVEMENT SUMMARY

Site: 2035 No Project: Mountain House / I-580 WB Ramps_PM

Roundabout with 2-lane approaches and circulating road
MUTCD (FHWA 2009) example number: 3C-6
Roundabout Guide (TRB 2010) example number: A-7
Roundabout

Movement Performance - Vehicles

Mov ID	Turn	Demand Flow veh/h	HV %	Deg. Satn v/c	Average Delay sec	Level of Service	95% Back of Queue Vehicles veh	95% Back of Queue Distance ft	Prop. Queued	Effective Stop Rate per veh	Average Speed mph
South: Mountain House Parkway											
3	L	11	5.0	0.280	13.7	LOS B	0.0	0.0	0.00	0.97	32.0
8	T	421	5.0	0.280	7.5	LOS A	0.0	0.0	0.00	0.54	36.6
Approach		432	5.0	0.280	7.7	LOS A	0.0	0.0	0.00	0.55	36.4
East: I-580 Westbound Off-Ramp											
1	L	11	5.0	0.329	15.5	LOS C	1.4	36.7	0.49	0.87	29.2
6	T	1	5.0	0.329	9.0	LOS A	1.4	36.7	0.49	0.68	31.8
16	R	263	5.0	0.329	10.4	LOS B	1.4	36.7	0.49	0.74	31.5
Approach		275	5.0	0.329	10.6	LOS B	1.4	36.7	0.49	0.74	31.4
North: Mountain House Parkway											
4	T	337	5.0	0.229	7.6	LOS A	0.9	24.0	0.08	0.52	36.1
14	R	116	5.0	0.090	8.4	LOS A	0.3	7.4	0.05	0.57	35.6
Approach		453	5.0	0.229	7.8	LOS A	0.9	24.0	0.08	0.53	35.9
All Vehicles		1159	5.0	0.329	8.4	LOS A	1.4	36.7	0.15	0.59	34.9

Level of Service (LOS) Method: Delay (HCM 2000).
Roundabout LOS Method: Same as Sign Control.
Vehicle movement LOS values are based on average delay per movement
Intersection and Approach LOS values are based on average delay for all vehicle movements.
Roundabout Capacity Model: SIDRA Standard.
SIDRA Standard Delay Model used.

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MOVEMENT SUMMARY

Site: 2035 No Project: Mountain House / I-580 EB Ramps_AM

Roundabout with 2-lane approaches and circulating road
MUTCD (FHWA 2009) example number: 3C-6
Roundabout Guide (TRB 2010) example number: A-7
Roundabout

Movement Performance - Vehicles

Mov ID	Turn	Demand Flow veh/h	HV %	Deg. Satn v/c	Average Delay sec	Level of Service	95% Back of Queue Vehicles veh	95% Back of Queue Distance ft	Prop. Queued	Effective Stop Rate per veh	Average Speed mph
South: Mountain House Parkway											
8	T	42	15.0	0.074	9.0	LOS A	0.2	7.0	0.31	0.57	34.8
18	R	21	15.0	0.074	10.2	LOS B	0.2	7.0	0.31	0.65	34.3
Approach		63	15.0	0.074	9.4	LOS A	0.2	7.0	0.31	0.60	34.6
North: Mountain House Parkway											
7	L	126	15.0	0.247	13.4	LOS B	0.0	0.0	0.00	0.88	30.4
4	T	221	15.0	0.247	7.2	LOS A	0.0	0.0	0.00	0.49	36.3
Approach		347	15.0	0.247	9.5	LOS A	0.0	0.0	0.00	0.63	33.7
West: I-580 EB Off-Ramp											
5	L	74	15.0	0.125	15.4	LOS C	0.4	12.3	0.41	0.78	29.2
2	T	1	15.0	0.125	9.2	LOS A	0.4	12.3	0.41	0.60	32.0
12	R	21	15.0	0.125	10.4	LOS B	0.4	12.3	0.41	0.66	31.7
Approach		96	15.0	0.125	14.3	LOS B	0.4	12.3	0.41	0.76	29.7
All Vehicles		506	15.0	0.247	10.4	LOS B	0.4	12.3	0.12	0.65	33.0

Level of Service (LOS) Method: Delay (HCM 2000).
Roundabout LOS Method: Same as Sign Control.
Vehicle movement LOS values are based on average delay per movement
Intersection and Approach LOS values are based on average delay for all vehicle movements.
Roundabout Capacity Model: SIDRA Standard.
SIDRA Standard Delay Model used.

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MOVEMENT SUMMARY

Site: 2035 No Project: Mountain House / I-580 EB Ramps_PM

Roundabout with 2-lane approaches and circulating road
MUTCD (FHWA 2009) example number: 3C-6
Roundabout Guide (TRB 2010) example number: A-7
Roundabout

Movement Performance - Vehicles

Mov ID	Turn	Demand Flow veh/h	HV %	Deg. Satn v/c	Average Delay sec	Level of Service	95% Back of Queue Vehicles veh	95% Back of Queue Distance ft	Prop. Queued	Effective Stop Rate per veh	Average Speed mph
South: Mountain House Parkway											
8	T	200	5.0	0.478	12.0	LOS B	2.8	71.8	0.65	0.85	32.6
18	R	158	5.0	0.478	13.1	LOS B	2.8	71.8	0.65	0.89	32.2
Approach		358	5.0	0.478	12.5	LOS B	2.8	71.8	0.65	0.87	32.5
North: Mountain House Parkway											
7	L	316	5.0	0.226	13.7	LOS B	0.0	0.0	0.00	0.77	32.0
4	T	32	5.0	0.226	7.5	LOS A	0.0	0.0	0.00	0.48	36.6
Approach		347	5.0	0.226	13.2	LOS B	0.0	0.0	0.00	0.74	32.3
West: I-580 Eastbound Off-Ramp											
5	L	232	5.0	0.348	15.0	LOS C	1.5	38.8	0.45	0.81	29.2
2	T	1	5.0	0.348	8.6	LOS A	1.5	38.8	0.45	0.63	31.7
12	R	74	5.0	0.348	9.9	LOS A	1.5	38.8	0.45	0.69	31.5
Approach		306	5.0	0.348	13.8	LOS B	1.5	38.8	0.45	0.78	29.7
All Vehicles		1012	5.0	0.478	13.1	LOS B	2.8	71.8	0.37	0.80	31.5

Level of Service (LOS) Method: Delay (HCM 2000).
Roundabout LOS Method: Same as Sign Control.
Vehicle movement LOS values are based on average delay per movement
Intersection and Approach LOS values are based on average delay for all vehicle movements.
Roundabout Capacity Model: SIDRA Standard.
SIDRA Standard Delay Model used.

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MOVEMENT SUMMARY

Site: 2035 Plus Phase I: Mountain House / I-580 WB Ramps_AM

Roundabout with 2-lane approaches and circulating road
MUTCD (FHWA 2009) example number: 3C-6
Roundabout Guide (TRB 2010) example number: A-7
Roundabout

Movement Performance - Vehicles

Mov ID	Turn	Demand Flow veh/h	HV %	Deg. Satn v/c	Average Delay sec	Level of Service	95% Back of Queue Vehicles veh	95% Back of Queue Distance ft	Prop. Queued	Effective Stop Rate per veh	Average Speed mph
South: Mountain House Parkway											
3	L	21	30.0	0.212	14.8	LOS B	0.0	0.0	0.00	0.95	32.0
8	T	242	30.0	0.212	8.6	LOS A	0.0	0.0	0.00	0.54	36.6
Approach		263	30.0	0.212	9.1	LOS A	0.0	0.0	0.00	0.57	36.1
East: I-580 Westbound Off-Ramp											
1	L	158	30.0	0.741	21.2	LOS C	6.7	206.4	0.73	1.03	26.7
6	T	1	30.0	0.741	14.9	LOS B	6.7	206.4	0.73	0.93	28.8
16	R	358	30.0	0.741	16.2	LOS C	6.7	206.4	0.73	0.97	28.5
Approach		517	30.0	0.741	17.7	LOS C	6.7	206.4	0.73	0.99	27.9
North: Mountain House Parkway											
4	T	621	30.0	0.679	11.5	LOS B	5.8	180.1	0.64	0.74	33.2
14	R	211	30.0	0.206	9.7	LOS A	0.7	22.7	0.11	0.57	35.3
Approach		832	30.0	0.679	11.0	LOS B	5.8	180.1	0.51	0.70	33.7
All Vehicles		1612	30.0	0.741	12.9	LOS B	6.7	206.4	0.50	0.77	31.9

Level of Service (LOS) Method: Delay (HCM 2000).
Roundabout LOS Method: Same as Sign Control.
Vehicle movement LOS values are based on average delay per movement
Intersection and Approach LOS values are based on average delay for all vehicle movements.
Roundabout Capacity Model: SIDRA Standard.
SIDRA Standard Delay Model used.

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MOVEMENT SUMMARY

Site: 2035 Plus Phase I: Mountain House / I-580 WB Ramps_PM

Roundabout with 2-lane approaches and circulating road
MUTCD (FHWA 2009) example number: 3C-6
Roundabout Guide (TRB 2010) example number: A-7
Roundabout

Movement Performance - Vehicles

Mov ID	Turn	Demand Flow veh/h	HV %	Deg. Satn v/c	Average Delay sec	Level of Service	95% Back of Queue Vehicles veh	95% Back of Queue Distance ft	Prop. Queued	Effective Stop Rate per veh	Average Speed mph
South: Mountain House Parkway											
3	L	32	9.0	0.376	13.9	LOS B	0.0	0.0	0.00	0.96	32.0
8	T	526	9.0	0.376	7.7	LOS A	0.0	0.0	0.00	0.54	36.6
Approach		558	9.0	0.376	8.1	LOS A	0.0	0.0	0.00	0.56	36.3
East: I-580 Westbound Off-Ramp											
1	L	21	9.0	0.468	18.1	LOS C	2.6	68.9	0.63	0.98	27.9
6	T	1	9.0	0.468	11.5	LOS B	2.6	68.9	0.63	0.83	30.4
16	R	316	9.0	0.468	13.0	LOS B	2.6	68.9	0.63	0.89	30.0
Approach		338	9.0	0.468	13.3	LOS B	2.6	68.9	0.63	0.89	29.8
North: Mountain House Parkway											
4	T	642	9.0	0.469	8.0	LOS A	2.6	68.9	0.20	0.52	35.4
14	R	147	9.0	0.121	8.7	LOS A	0.4	10.5	0.10	0.57	35.3
Approach		789	9.0	0.469	8.1	LOS A	2.6	68.9	0.18	0.53	35.4
All Vehicles		1685	9.0	0.469	9.1	LOS A	2.6	68.9	0.21	0.61	34.4

Level of Service (LOS) Method: Delay (HCM 2000).
Roundabout LOS Method: Same as Sign Control.
Vehicle movement LOS values are based on average delay per movement
Intersection and Approach LOS values are based on average delay for all vehicle movements.
Roundabout Capacity Model: SIDRA Standard.
SIDRA Standard Delay Model used.

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MOVEMENT SUMMARY

Site: 2035 Plus Phase I: Mountain House / I-580 EB Ramps_AM

Roundabout with 2-lane approaches and circulating road
MUTCD (FHWA 2009) example number: 3C-6
Roundabout Guide (TRB 2010) example number: A-7
Roundabout

Movement Performance - Vehicles

Mov ID	Turn	Demand Flow veh/h	HV %	Deg. Satn v/c	Average Delay sec	Level of Service	95% Back of Queue Vehicles veh	95% Back of Queue Distance ft	Prop. Queued	Effective Stop Rate per veh	Average Speed mph
South: Mountain House Parkway											
8	T	63	33.0	0.154	12.4	LOS B	0.6	19.0	0.54	0.75	33.3
18	R	21	33.0	0.154	13.7	LOS B	0.6	19.0	0.54	0.81	32.9
Approach		84	33.0	0.154	12.7	LOS B	0.6	19.0	0.54	0.76	33.2
North: Mountain House Parkway											
7	L	200	33.0	0.641	14.1	LOS B	0.0	0.0	0.00	0.90	30.4
4	T	579	33.0	0.641	7.8	LOS A	0.0	0.0	0.00	0.49	36.3
Approach		779	33.0	0.641	9.4	LOS A	0.0	0.0	0.00	0.60	34.4
West: I-580 EB Off-Ramp											
5	L	200	33.0	0.552	31.2	LOS D	3.5	109.7	0.81	1.09	22.6
2	T	1	33.0	0.552	24.9	LOS C	3.5	109.7	0.81	1.03	23.8
12	R	11	33.0	0.552	26.2	LOS D	3.5	109.7	0.81	1.05	23.6
Approach		212	33.0	0.552	30.9	LOS D	3.5	109.7	0.81	1.09	22.6
All Vehicles		1075	33.0	0.641	13.9	LOS B	3.5	109.7	0.20	0.71	31.0

Level of Service (LOS) Method: Delay (HCM 2000).
Roundabout LOS Method: Same as Sign Control.
Vehicle movement LOS values are based on average delay per movement
Intersection and Approach LOS values are based on average delay for all vehicle movements.
Roundabout Capacity Model: SIDRA Standard.
SIDRA Standard Delay Model used.

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MOVEMENT SUMMARY

Site: 2035 Plus Phase I: Mountain House / I-580 EB Ramps_PM

Roundabout with 2-lane approaches and circulating road
MUTCD (FHWA 2009) example number: 3C-6
Roundabout Guide (TRB 2010) example number: A-7
Roundabout

Movement Performance - Vehicles

Mov ID	Turn	Demand Flow veh/h	HV %	Deg. Satn v/c	Average Delay sec	Level of Service	95% Back of Queue Vehicles veh	95% Back of Queue Distance ft	Prop. Queued	Effective Stop Rate per veh	Average Speed mph
South: Mountain House Parkway											
8	T	368	9.0	1.134	95.1	LOS F	41.1	1101.8	1.00	2.37	11.3
18	R	284	9.0	1.134	96.2	LOS F	41.1	1101.8	1.00	2.37	11.2
Approach		653	9.0	1.134	95.6	LOS F	41.1	1101.8	1.00	2.37	11.2
North: Mountain House Parkway											
7	L	589	9.0	0.447	13.9	LOS B	0.0	0.0	0.00	0.77	32.0
4	T	74	9.0	0.447	7.7	LOS A	0.0	0.0	0.00	0.48	36.6
Approach		663	9.0	0.447	13.2	LOS B	0.0	0.0	0.00	0.74	32.4
West: I-580 Eastbound Off-Ramp											
5	L	189	9.0	0.443	19.2	LOS C	2.4	65.0	0.67	0.97	27.2
2	T	1	9.0	0.443	12.5	LOS B	2.4	65.0	0.67	0.86	29.5
12	R	105	9.0	0.443	14.1	LOS B	2.4	65.0	0.67	0.90	29.1
Approach		296	9.0	0.443	17.3	LOS C	2.4	65.0	0.67	0.94	27.8
All Vehicles		1612	9.0	1.134	47.3	LOS E	41.1	1101.8	0.53	1.44	18.3

Level of Service (LOS) Method: Delay (HCM 2000).
Roundabout LOS Method: Same as Sign Control.
Vehicle movement LOS values are based on average delay per movement
Intersection and Approach LOS values are based on average delay for all vehicle movements.
Roundabout Capacity Model: SIDRA Standard.
SIDRA Standard Delay Model used.

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MOVEMENT SUMMARY

Site: 10_Old Schulte Road / Hansen Road AM

Roundabout with 2-lane approaches and circulating road
MUTCD (FHWA 2009) example number: 3C-6
Roundabout Guide (TRB 2010) example number: A-7
Roundabout

Movement Performance - Vehicles

Mov ID	Turn	Demand Flow veh/h	HV %	Deg. Satn v/c	Average Delay sec	Level of Service	95% Back of Queue Vehicles veh	95% Back of Queue Distance ft	Prop. Queued	Effective Stop Rate per veh	Average Speed mph
South: Hansen Road											
3	L	74	15.0	0.240	8.0	LOS A	0.6	17.6	0.41	0.90	25.9
8	T	211	15.0	0.240	7.9	LOS A	0.6	17.6	0.40	0.66	28.3
18	R	53	15.0	0.240	7.9	LOS A	0.6	16.6	0.39	0.78	27.7
Approach		337	15.0	0.240	7.9	LOS A	0.6	17.6	0.40	0.73	27.6
East: Old Schulte Road											
1	L	105	15.0	0.670	19.3	LOS C	3.1	87.8	0.62	1.03	24.3
6	T	589	15.0	0.670	19.2	LOS C	3.1	87.8	0.61	0.89	25.8
16	R	189	15.0	0.670	18.9	LOS C	3.0	83.9	0.60	0.94	25.5
Approach		884	15.0	0.670	19.1	LOS C	3.1	87.8	0.61	0.92	25.5
North: Hansen Road											
7	L	63	15.0	0.244	10.6	LOS B	0.6	17.1	0.54	0.93	24.8
4	T	126	15.0	0.244	10.4	LOS B	0.6	17.1	0.53	0.74	26.8
14	R	63	15.0	0.244	10.2	LOS B	0.6	16.4	0.52	0.83	26.5
Approach		253	15.0	0.244	10.4	LOS B	0.6	17.1	0.53	0.81	26.2
West: Old Schulte Road											
5	L	189	15.0	0.245	7.4	LOS A	0.6	17.3	0.34	0.80	29.3
2	T	147	15.0	0.236	7.4	LOS A	0.6	17.4	0.36	0.68	32.5
12	R	32	15.0	0.236	7.4	LOS A	0.6	17.4	0.36	0.78	31.7
Approach		368	15.0	0.245	7.4	LOS A	0.6	17.4	0.35	0.75	30.7
All Vehicles		1842	15.0	0.670	13.5	LOS B	3.1	87.8	0.51	0.84	26.9

Level of Service (LOS) Method: Delay & v/c (HCM 2010).
Roundabout LOS Method: Same as Sign Control.
Vehicle movement LOS values are based on average delay and v/c ratio (degree of saturation) per movement
LOS F will result if v/c > 1 irrespective of movement delay value (does not apply for approaches and intersection).
Intersection and Approach LOS values are based on average delay for all movements (v/c not used as specified in HCM 2010).
Roundabout Capacity Model: US HCM 2010.
HCM Delay Model used. Geometric Delay not included.

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MOVEMENT SUMMARY

Site: 10_Old Schulte Road / Hansen Road PM

Roundabout with 2-lane approaches and circulating road
MUTCD (FHWA 2009) example number: 3C-6
Roundabout Guide (TRB 2010) example number: A-7
Roundabout

Movement Performance - Vehicles

Mov ID	Turn	Demand Flow veh/h	HV %	Deg. Satn v/c	Average Delay sec	Level of Service	95% Back of Queue Vehicles veh	95% Back of Queue Distance ft	Prop. Queued	Effective Stop Rate per veh	Average Speed mph
South: Hansen Road											
3	L	189	5.0	0.761	28.1	LOS D	4.2	109.9	0.77	1.11	19.1
8	T	589	5.0	0.761	27.5	LOS D	4.2	109.9	0.76	1.01	20.1
18	R	84	5.0	0.761	27.1	LOS D	4.1	106.5	0.76	1.05	20.0
Approach		863	5.0	0.761	27.6	LOS D	4.2	109.9	0.77	1.04	19.9
East: Old Schulte Road											
1	L	53	5.0	0.421	13.3	LOS B	1.4	37.3	0.62	1.00	26.8
6	T	347	5.0	0.421	13.1	LOS B	1.4	37.3	0.60	0.86	28.8
16	R	74	5.0	0.421	12.8	LOS B	1.4	35.9	0.59	0.91	28.5
Approach		474	5.0	0.421	13.1	LOS B	1.4	37.3	0.60	0.88	28.5
North: Hansen Road											
7	L	263	5.0	0.806	27.7	LOS D	5.7	148.4	0.78	1.12	19.2
4	T	611	5.0	0.806	27.4	LOS D	5.7	148.4	0.77	1.02	20.1
14	R	232	5.0	0.806	27.1	LOS D	5.5	142.8	0.76	1.06	20.0
Approach		1105	5.0	0.806	27.4	LOS D	5.7	148.4	0.77	1.05	19.8
West: Old Schulte Road											
5	L	74	5.0	0.713	25.9	LOS D	3.5	90.5	0.77	1.09	22.1
2	T	505	5.0	0.713	25.5	LOS D	3.5	90.5	0.76	1.00	23.2
12	R	179	5.0	0.713	24.9	LOS C	3.4	87.8	0.75	1.02	23.1
Approach		758	5.0	0.713	25.4	LOS D	3.5	90.5	0.76	1.01	23.1
All Vehicles		3200	5.0	0.806	24.8	LOS C	5.7	148.4	0.74	1.01	21.6

Level of Service (LOS) Method: Delay & v/c (HCM 2010).
Roundabout LOS Method: Same as Sign Control.
Vehicle movement LOS values are based on average delay and v/c ratio (degree of saturation) per movement
LOS F will result if v/c > 1 irrespective of movement delay value (does not apply for approaches and intersection).
Intersection and Approach LOS values are based on average delay for all movements (v/c not used as specified in HCM 2010).
Roundabout Capacity Model: US HCM 2010.
HCM Delay Model used. Geometric Delay not included.

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MOVEMENT SUMMARY

Site: 13_Old Schulte Road / Pavillion Pkwy AM

Roundabout with 2-lane approaches and circulating road
MUTCD (FHWA 2009) example number: 3C-6
Roundabout Guide (TRB 2010) example number: A-7
Roundabout

Movement Performance - Vehicles

Mov ID	Turn	Demand Flow veh/h	HV %	Deg. Satn v/c	Average Delay sec	Level of Service	95% Back of Queue Vehicles veh	95% Back of Queue Distance ft	Prop. Queued	Effective Stop Rate per veh	Average Speed mph
South: Pavillion Parkway											
3	L	21	15.0	0.221	6.8	LOS A	0.6	15.4	0.30	0.90	26.5
8	T	147	15.0	0.221	6.8	LOS A	0.6	15.4	0.30	0.57	29.1
18	R	11	15.0	0.221	6.8	LOS A	0.6	15.4	0.30	0.67	28.5
Approach		179	15.0	0.221	6.8	LOS A	0.6	15.4	0.30	0.62	28.7
East: Old Schulte Road											
1	L	11	15.0	0.430	9.8	LOS A	1.4	38.6	0.36	0.91	28.3
6	T	632	15.0	0.430	9.8	LOS A	1.4	38.6	0.35	0.67	30.9
16	R	63	15.0	0.430	9.8	LOS A	1.3	36.5	0.34	0.76	30.2
Approach		705	15.0	0.430	9.8	LOS A	1.4	38.6	0.35	0.68	30.8
North: Pavillion Parkway											
7	L	11	15.0	0.384	12.0	LOS B	1.1	30.5	0.53	0.98	24.3
4	T	116	15.0	0.384	12.0	LOS B	1.1	30.5	0.53	0.77	26.1
14	R	95	15.0	0.384	12.0	LOS B	1.1	30.5	0.53	0.83	25.7
Approach		221	15.0	0.384	12.0	LOS B	1.1	30.5	0.53	0.81	25.8
West: Old Schulte Road											
5	L	42	15.0	0.139	5.5	LOS A	0.3	9.6	0.22	0.83	30.5
2	T	189	15.0	0.139	5.5	LOS A	0.3	9.6	0.21	0.58	33.9
12	R	11	15.0	0.139	5.5	LOS A	0.3	9.0	0.21	0.71	33.0
Approach		242	15.0	0.139	5.5	LOS A	0.3	9.6	0.21	0.63	33.2
All Vehicles		1347	15.0	0.430	9.0	LOS A	1.4	38.6	0.35	0.68	30.0

Level of Service (LOS) Method: Delay & v/c (HCM 2010).
Roundabout LOS Method: Same as Sign Control.
Vehicle movement LOS values are based on average delay and v/c ratio (degree of saturation) per movement
LOS F will result if v/c > 1 irrespective of movement delay value (does not apply for approaches and intersection).
Intersection and Approach LOS values are based on average delay for all movements (v/c not used as specified in HCM 2010).
Roundabout Capacity Model: US HCM 2010.
HCM Delay Model used. Geometric Delay not included.

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MOVEMENT SUMMARY

Site: 13_Old Schulte Road / Pavillion Pkwy PM

Roundabout with 2-lane approaches and circulating road
MUTCD (FHWA 2009) example number: 3C-6
Roundabout Guide (TRB 2010) example number: A-7
Roundabout

Movement Performance - Vehicles

Mov ID	Turn	Demand Flow veh/h	HV %	Deg. Satn v/c	Average Delay sec	Level of Service	95% Back of Queue Vehicles veh	95% Back of Queue Distance ft	Prop. Queued	Effective Stop Rate per veh	Average Speed mph
South: Pavillion Parkway											
3	L	11	5.0	0.238	9.4	LOS A	0.6	16.4	0.53	0.97	25.5
8	T	116	5.0	0.238	9.4	LOS A	0.6	16.4	0.53	0.75	27.6
18	R	11	5.0	0.238	9.4	LOS A	0.6	16.4	0.53	0.82	27.2
Approach		137	5.0	0.238	9.4	LOS A	0.6	16.4	0.53	0.78	27.4
East: Old Schulte Road											
1	L	11	5.0	0.267	6.8	LOS A	0.8	21.4	0.31	0.90	29.9
6	T	463	5.0	0.267	6.8	LOS A	0.8	21.4	0.30	0.64	33.0
16	R	11	5.0	0.267	6.7	LOS A	0.8	20.2	0.29	0.74	32.2
Approach		484	5.0	0.267	6.8	LOS A	0.8	21.4	0.30	0.65	32.9
North: Pavillion Parkway											
7	L	11	5.0	0.531	12.7	LOS B	2.2	56.9	0.54	1.02	24.1
4	T	358	5.0	0.531	12.7	LOS B	2.2	56.9	0.54	0.80	25.9
14	R	32	5.0	0.531	12.7	LOS B	2.2	56.9	0.54	0.86	25.5
Approach		400	5.0	0.531	12.7	LOS B	2.2	56.9	0.54	0.81	25.8
West: Old Schulte Road											
5	L	95	5.0	0.537	12.3	LOS B	2.4	62.3	0.52	0.99	27.2
2	T	747	5.0	0.537	12.2	LOS B	2.4	62.3	0.51	0.82	29.4
12	R	21	5.0	0.537	12.1	LOS B	2.3	59.2	0.50	0.89	28.9
Approach		863	5.0	0.537	12.2	LOS B	2.4	62.3	0.51	0.84	29.1
All Vehicles		1884	5.0	0.537	10.7	LOS B	2.4	62.3	0.46	0.78	29.1

Level of Service (LOS) Method: Delay & v/c (HCM 2010).
Roundabout LOS Method: Same as Sign Control.
Vehicle movement LOS values are based on average delay and v/c ratio (degree of saturation) per movement
LOS F will result if v/c > 1 irrespective of movement delay value (does not apply for approaches and intersection).
Intersection and Approach LOS values are based on average delay for all movements (v/c not used as specified in HCM 2010).
Roundabout Capacity Model: US HCM 2010.
HCM Delay Model used. Geometric Delay not included.

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MOVEMENT SUMMARY

Site: 111_Capital Parks Dr / Commerce Way AM

Roundabout with 2-lane approaches and circulating road
MUTCD (FHWA 2009) example number: 3C-6
Roundabout Guide (TRB 2010) example number: A-7
Roundabout

Movement Performance - Vehicles

Mov ID	Turn	Demand Flow veh/h	HV %	Deg. Satn v/c	Average Delay sec	Level of Service	95% Back of Queue Vehicles veh	95% Back of Queue Distance ft	Prop. Queued	Effective Stop Rate per veh	Average Speed mph
South: Commerce Way											
3	L	11	10.0	0.025	6.2	LOS A	0.1	1.6	0.43	0.84	26.7
8	T	11	10.0	0.025	6.1	LOS A	0.1	1.6	0.42	0.63	29.3
18	R	11	10.0	0.025	6.0	LOS A	0.1	1.5	0.41	0.73	28.7
Approach		32	10.0	0.025	6.1	LOS A	0.1	1.6	0.42	0.73	28.2
East: Capital Parks Drive											
1	L	11	10.0	0.106	6.3	LOS A	0.3	7.2	0.40	0.93	30.2
6	T	63	10.0	0.106	6.3	LOS A	0.3	7.2	0.40	0.72	33.2
16	R	105	10.0	0.148	6.7	LOS A	0.4	9.7	0.39	0.78	31.9
Approach		179	10.0	0.148	6.5	LOS A	0.4	9.7	0.39	0.77	32.3
North: Commerce Way											
7	L	158	10.0	0.180	5.6	LOS A	0.6	17.4	0.22	0.69	26.8
4	T	11	10.0	0.180	5.6	LOS A	0.6	17.4	0.22	0.44	29.7
14	R	642	10.0	0.427	0.1	X	X	X	X	0.55	33.3
Approach		811	10.0	0.427	1.2	LOS A	0.6	17.4	0.05	0.57	31.7
West: Capital Parks Drive											
5	L	453	10.0	0.270	7.2	LOS A	1.0	27.4	0.36	0.75	29.4
2	T	21	10.0	0.038	4.6	LOS A	0.1	3.1	0.30	0.57	34.4
12	R	11	10.0	0.038	4.6	LOS A	0.1	3.1	0.30	0.71	33.4
Approach		484	10.0	0.270	7.0	LOS A	1.0	27.4	0.36	0.74	29.7
All Vehicles		1505	10.0	0.427	3.8	LOS A	1.0	27.4	0.20	0.65	31.0

X: Not applicable for Continuous movement.

Level of Service (LOS) Method: Delay & v/c (HCM 2010).
Roundabout LOS Method: Same as Sign Control.
Vehicle movement LOS values are based on average delay and v/c ratio (degree of saturation) per movement
LOS F will result if v/c > 1 irrespective of movement delay value (does not apply for approaches and intersection).
Intersection and Approach LOS values are based on average delay for all movements (v/c not used as specified in HCM 2010).
Roundabout Capacity Model: US HCM 2010.
HCM Delay Model used. Geometric Delay not included.

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MOVEMENT SUMMARY

Site: 111_Capital Parks Dr / Commerce Way PM

Roundabout with 2-lane approaches and circulating road
MUTCD (FHWA 2009) example number: 3C-6
Roundabout Guide (TRB 2010) example number: A-7
Roundabout

Movement Performance - Vehicles

Mov ID	Turn	Demand Flow veh/h	HV %	Deg. Satn v/c	Average Delay sec	Level of Service	95% Back of Queue Vehicles veh	95% Back of Queue Distance ft	Prop. Queued	Effective Stop Rate per veh	Average Speed mph
South: Commerce Way											
3	L	11	5.0	0.040	9.9	LOS A	0.1	2.5	0.65	0.93	25.0
8	T	11	5.0	0.040	9.6	LOS A	0.1	2.5	0.64	0.80	27.1
18	R	11	5.0	0.040	9.3	LOS A	0.1	2.4	0.63	0.86	26.9
Approach		32	5.0	0.040	9.6	LOS A	0.1	2.5	0.64	0.86	26.3
East: Capital Parks Drive											
1	L	11	5.0	0.152	9.5	LOS A	0.4	10.3	0.59	0.97	28.7
6	T	63	5.0	0.152	9.5	LOS A	0.4	10.3	0.59	0.82	31.0
16	R	284	5.0	0.555	18.2	LOS C	2.1	53.3	0.70	0.96	25.6
Approach		358	5.0	0.555	16.4	LOS C	2.1	53.3	0.68	0.93	26.5
North: Commerce Way											
7	L	211	5.0	0.225	5.8	LOS A	0.9	23.2	0.23	0.69	26.7
4	T	11	5.0	0.225	5.8	LOS A	0.9	23.2	0.23	0.44	29.5
14	R	705	5.0	0.453	0.1	X	X	X	X	0.55	33.3
Approach		926	5.0	0.453	1.5	LOS A	0.9	23.2	0.06	0.58	31.5
West: Capital Parks Drive											
5	L	989	5.0	0.589	13.2	LOS B	3.7	95.8	0.58	0.83	26.4
2	T	105	5.0	0.138	5.7	LOS A	0.5	12.5	0.36	0.64	33.7
12	R	11	5.0	0.138	5.7	LOS A	0.5	12.5	0.36	0.76	32.9
Approach		1105	5.0	0.589	12.4	LOS B	3.7	95.8	0.55	0.81	27.0
All Vehicles		2421	5.0	0.589	8.8	LOS A	3.7	95.8	0.38	0.74	28.4

X: Not applicable for Continuous movement.

Level of Service (LOS) Method: Delay & v/c (HCM 2010).
Roundabout LOS Method: Same as Sign Control.
Vehicle movement LOS values are based on average delay and v/c ratio (degree of saturation) per movement
LOS F will result if v/c > 1 irrespective of movement delay value (does not apply for approaches and intersection).
Intersection and Approach LOS values are based on average delay for all movements (v/c not used as specified in HCM 2010).
Roundabout Capacity Model: US HCM 2010.
HCM Delay Model used. Geometric Delay not included.

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Appendix E
HCM Freeway Calculations

FEHR PEERS

HCM 2000
Basic Freeway Segments
Capacity Analysis

Jurisdiction Tracy, CA
Analysis Year Existing
Analyst LR
Agency or Company
Date 2/7/2013
Project Description Cordes Ranch Specific Plan EIR

General Information				*Flow Rate Calculation*										*Speed Calculation*			*Results*	
	Freeway/ Direction	From/To	Analysis Time Period	Volume (vph)	PHF	Lanes	Terrain	Truck/ Bus %	RV %	E_T	E_R	f_{HV}	f_P	Flow Rate v_p (pcphpl)	Measured FFS (mph)	FFS (mph)	S (mph)	Density, D (pcplpm)	Level of Service
E	I-205 EB	West of MHP	AM	2300	0.90	3	Level	12%	0%	1.5	1.2	0.943	1.00	908	65.0	65.0	65.0	**14.0**	**B**
E	I-205 WB	West of MHP	AM	4180	0.90	3	Level	12%	0%	1.5	1.2	0.943	1.00	1,650	65.0	65.0	64.7	**25.5**	**C**
E	I-205 EB	MHP to Tracy Boulevard	AM	2340	0.90	3	Level	12%	0%	1.5	1.2	0.945	1.00	922	65.0	65.0	65.0	**14.2**	**B**
E	I-205 WB	MHP to Tracy Boulevard	AM	4390	0.90	3	Level	12%	0%	1.5	1.2	0.945	1.00	1,730	65.0	65.0	64.4	**26.9**	**D**
E	I-205 EB	East of Tracy Boulevard	AM	2620	0.90	3	Level	11%	0%	1.5	1.2	0.947	1.00	1,030	65.0	65.0	65.0	**15.9**	**B**
E	I-205 WB	East of Tracy Boulevard	AM	3750	0.90	3	Level	11%	0%	1.5	1.2	0.947	1.00	1,475	65.0	65.0	65.0	**22.7**	**C**
E	I-580 EB	West of I-205 Interchange	AM	3,140	0.88	4	Level	18%	0%	1.5	1.2	0.918	1.00	977	65.0	65.0	65.0	**15.0**	**B**
E	I-580 WB	West of I-205 Interchange	AM	6,430	0.88	5	Level	18%	0%	1.5	1.2	0.918	1.00	1,600	65.0	65.0	64.9	**24.7**	**C**
E	I-580 EB	West of Patterson Pass Road	AM	840	0.86	2	Level	13%	0%	1.5	1.2	0.941	1.00	522	65.0	65.0	65.0	**8.0**	**A**
E	I-580 WB	West of Patterson Pass Road	AM	2250	0.86	2	Level	13%	0%	1.5	1.2	0.941	1.00	1,398	65.0	65.0	65.0	**21.5**	**C**
E	I-580 EB	Patterson Pass Road to Corral Hollow R(	AM	840	0.86	2	Level	15%	0%	1.5	1.2	0.930	1.00	528	65.0	65.0	65.0	**8.1**	**A**
E	I-580 WB	Patterson Pass Road to Corral Hollow R(	AM	2220	0.86	2	Level	15%	0%	1.5	1.2	0.930	1.00	1,396	65.0	65.0	65.0	**21.5**	**C**
E	I-580 EB	East of Corral Hollow Road	AM	840	0.86	2	Level	18%	0%	1.5	1.2	0.918	1.00	535	65.0	65.0	65.0	**8.2**	**A**
E	I-580 WB	East of Corral Hollow Road	AM	1670	0.86	2	Level	18%	0%	1.5	1.2	0.918	1.00	1,063	65.0	65.0	65.0	**16.4**	**B**
E+P1	I-205 EB	West of MHP	AM	2470	0.90	3	Level	12%	0%	1.5	1.2	0.943	1.00	975	65.0	65.0	65.0	**15.0**	**B**
E+P1	I-205 WB	West of MHP	AM	4230	0.90	3	Level	12%	0%	1.5	1.2	0.943	1.00	1,670	65.0	65.0	64.7	**25.8**	**C**
E+P1	I-205 EB	MHP to Tracy Boulevard	AM	2470	0.90	3	Level	12%	0%	1.5	1.2	0.945	1.00	973	65.0	65.0	65.0	**15.0**	**B**
E+P1	I-205 WB	MHP to Tracy Boulevard	AM	4850	0.90	3	Level	12%	0%	1.5	1.2	0.945	1.00	1,911	65.0	65.0	62.8	**30.5**	**D**
E+P1	I-205 EB	East of Tracy Boulevard	AM	2790	0.90	3	Level	11%	0%	1.5	1.2	0.947	1.00	1,097	65.0	65.0	65.0	**16.9**	**B**
E+P1	I-205 WB	East of Tracy Boulevard	AM	4390	0.90	3	Level	11%	0%	1.5	1.2	0.947	1.00	1,726	65.0	65.0	64.4	**26.8**	**D**
E+P1	I-580 EB	West of I-205 Interchange	AM	3,450	0.88	4	Level	18%	0%	1.5	1.2	0.918	1.00	1,073	65.0	65.0	65.0	**16.5**	**B**
E+P1	I-580 WB	West of I-205 Interchange	AM	6,510	0.88	5	Level	18%	0%	1.5	1.2	0.918	1.00	1,620	65.0	65.0	64.8	**25.0**	**C**
E+P1	I-580 EB	West of Patterson Pass Road	AM	980	0.86	2	Level	13%	0%	1.5	1.2	0.941	1.00	609	65.0	65.0	65.0	**9.4**	**A**
E+P1	I-580 WB	West of Patterson Pass Road	AM	2280	0.86	2	Level	13%	0%	1.5	1.2	0.941	1.00	1,417	65.0	65.0	65.0	**21.8**	**C**
E+P1	I-580 EB	Patterson Pass Road to Corral Hollow R(	AM	890	0.86	2	Level	15%	0%	1.5	1.2	0.930	1.00	560	65.0	65.0	65.0	**8.6**	**A**
E+P1	I-580 WB	Patterson Pass Road to Corral Hollow R(	AM	2420	0.86	2	Level	15%	0%	1.5	1.2	0.930	1.00	1,522	65.0	65.0	65.0	**23.4**	**C**
E+P1	I-580 EB	East of Corral Hollow Road	AM	920	0.86	2	Level	18%	0%	1.5	1.2	0.918	1.00	586	65.0	65.0	65.0	**9.0**	**A**
E+P1	I-580 WB	East of Corral Hollow Road	AM	1970	0.86	2	Level	18%	0%	1.5	1.2	0.918	1.00	1,254	65.0	65.0	65.0	**19.3**	**C**

HCM 2000
Basic Freeway Segments
Capacity Analysis

Jurisdiction Tracy, CA
Analysis Year Existing
Analyst LR
Agency or Company
Date 2/7/2013
Project Description Cordes Ranch Specific Plan EIR

General Information				*Flow Rate Calculation*										*Speed Calculation*			*Results*	
	Freeway/ Direction	From/To	Analysis Time Period	Volume (vph)	PHF	Lanes	Terrain	Truck/ Bus %	RV %	E_T	E_R	f_{HV}	f_P	Flow Rate v_p (pcphpl)	Measured FFS (mph)	FFS (mph)	S (mph)	Density, D (pcplpm)	Level of Service
E	I-205 EB	West of MHP	AM	2300	0.90	3	Level	12%	0%	1.5	1.2	0.943	1.00	908	65.0	65.0	65.0	**14.0**	**B**
E	I-205 WB	West of MHP	AM	4180	0.90	3	Level	12%	0%	1.5	1.2	0.943	1.00	1,650	65.0	65.0	64.7	**25.5**	**C**
E	I-205 EB	MHP to Tracy Boulevard	AM	2340	0.90	3	Level	12%	0%	1.5	1.2	0.945	1.00	922	65.0	65.0	65.0	**14.2**	**B**
E	I-205 WB	MHP to Tracy Boulevard	AM	4390	0.90	3	Level	12%	0%	1.5	1.2	0.945	1.00	1,730	65.0	65.0	64.4	**26.9**	**D**
E	I-205 EB	East of Tracy Boulevard	AM	2620	0.90	3	Level	11%	0%	1.5	1.2	0.947	1.00	1,030	65.0	65.0	65.0	**15.9**	**B**
E	I-205 WB	East of Tracy Boulevard	AM	3750	0.90	3	Level	11%	0%	1.5	1.2	0.947	1.00	1,475	65.0	65.0	65.0	**22.7**	**C**
E	I-580 EB	West of I-205 Interchange	AM	3,140	0.88	4	Level	18%	0%	1.5	1.2	0.918	1.00	977	65.0	65.0	65.0	**15.0**	**B**
E	I-580 WB	West of I-205 Interchange	AM	6,430	0.88	5	Level	18%	0%	1.5	1.2	0.918	1.00	1,600	65.0	65.0	64.9	**24.7**	**C**
E	I-580 EB	West of Patterson Pass Road	AM	840	0.86	2	Level	13%	0%	1.5	1.2	0.941	1.00	522	65.0	65.0	65.0	**8.0**	**A**
E	I-580 WB	West of Patterson Pass Road	AM	2250	0.86	2	Level	13%	0%	1.5	1.2	0.941	1.00	1,398	65.0	65.0	65.0	**21.5**	**C**
E	I-580 EB	Patterson Pass Road to Corral Hollow R(	AM	840	0.86	2	Level	15%	0%	1.5	1.2	0.930	1.00	528	65.0	65.0	65.0	**8.1**	**A**
E	I-580 WB	Patterson Pass Road to Corral Hollow R(	AM	2220	0.86	2	Level	15%	0%	1.5	1.2	0.930	1.00	1,396	65.0	65.0	65.0	**21.5**	**C**
E	I-580 EB	East of Corral Hollow Road	AM	840	0.86	2	Level	18%	0%	1.5	1.2	0.918	1.00	535	65.0	65.0	65.0	**8.2**	**A**
E	I-580 WB	East of Corral Hollow Road	AM	1670	0.86	2	Level	18%	0%	1.5	1.2	0.918	1.00	1,063	65.0	65.0	65.0	**16.4**	**B**
E+BO	I-205 EB	West of MHP	AM	3130	0.90	3	Level	12%	0%	1.5	1.2	0.943	1.00	1,236	65.0	65.0	65.0	**19.0**	**C**
E+BO	I-205 WB	West of MHP	AM	4350	0.90	3	Level	12%	0%	1.5	1.2	0.943	1.00	1,717	65.0	65.0	64.5	**26.6**	**D**
E+BO	I-205 EB	MHP to Tracy Boulevard	AM	2900	0.90	3	Level	12%	0%	1.5	1.2	0.945	1.00	1,143	65.0	65.0	65.0	**17.6**	**B**
E+BO	I-205 WB	MHP to Tracy Boulevard	AM	6370	0.90	3	Level	12%	0%	1.5	1.2	0.945	1.00	2,510	65.0	65.0	-	**-**	**F**
E+BO	I-205 EB	East of Tracy Boulevard	AM	3180	0.90	3	Level	11%	0%	1.5	1.2	0.947	1.00	1,251	65.0	65.0	65.0	**19.2**	**C**
E+BO	I-205 WB	East of Tracy Boulevard	AM	6390	0.90	3	Level	11%	0%	1.5	1.2	0.947	1.00	2,513	65.0	65.0	-	**-**	**F**
E+BO	I-580 EB	West of I-205 Interchange	AM	4,400	0.88	4	Level	18%	0%	1.5	1.2	0.918	1.00	1,369	65.0	65.0	65.0	**21.1**	**C**
E+BO	I-580 WB	West of I-205 Interchange	AM	6,690	0.88	5	Level	18%	0%	1.5	1.2	0.918	1.00	1,665	65.0	65.0	64.7	**25.7**	**C**
E+BO	I-580 EB	West of Patterson Pass Road	AM	1270	0.86	2	Level	13%	0%	1.5	1.2	0.941	1.00	789	65.0	65.0	65.0	**12.1**	**B**
E+BO	I-580 WB	West of Patterson Pass Road	AM	2340	0.86	2	Level	13%	0%	1.5	1.2	0.941	1.00	1,454	65.0	65.0	65.0	**22.4**	**C**
E+BO	I-580 EB	Patterson Pass Road to Corral Hollow R(	AM	1020	0.86	2	Level	15%	0%	1.5	1.2	0.930	1.00	642	65.0	65.0	65.0	**9.9**	**A**
E+BO	I-580 WB	Patterson Pass Road to Corral Hollow R(	AM	3090	0.86	2	Level	15%	0%	1.5	1.2	0.930	1.00	1,944	65.0	65.0	62.3	**31.2**	**D**
E+BO	I-580 EB	East of Corral Hollow Road	AM	1100	0.86	2	Level	18%	0%	1.5	1.2	0.918	1.00	700	65.0	65.0	65.0	**10.8**	**A**
E+BO	I-580 WB	East of Corral Hollow Road	AM	2930	0.86	2	Level	18%	0%	1.5	1.2	0.918	1.00	1,866	65.0	65.0	63.3	**29.5**	**D**

HCM 2000
Basic Freeway Segments
Capacity Analysis

Jurisdiction Tracy, CA
Analysis Year Existing
Analyst LR
Agency or Company
Date 2/7/2013
Project Description Cordes Ranch Specific Plan EIR

General Information				*Flow Rate Calculation*												*Speed Calculation*		*Results*	
	Freeway/ Direction	From/To	Analysis Time Period	Volume (vph)	PHF	Lanes	Terrain	Truck/ Bus %	RV %	E_T	E_R	f_{HV}	f_P	Flow Rate v_p (pcphpl)	Measured FFS (mph)	S (mph)	Density, D (pcplpm)	Level of Service
E	I-205 EB	West of MHP	PM	4910	0.90	3	Level	12%	0%	1.5	1.2	0.943	1.00	1,928	65.0	62.5	**30.8**	**D**
E	I-205 WB	West of MHP	PM	2390	0.90	3	Level	12%	0%	1.5	1.2	0.943	1.00	938	65.0	65.0	**14.4**	**B**
E	I-205 EB	MHP to Tracy Boulevard	PM	4980	0.90	3	Level	12%	0%	1.5	1.2	0.945	1.00	1,951	65.0	62.2	**31.4**	**D**
E	I-205 WB	MHP to Tracy Boulevard	PM	2690	0.90	3	Level	12%	0%	1.5	1.2	0.945	1.00	1,054	65.0	65.0	**16.2**	**B**
E	I-205 EB	East of Tracy Boulevard	PM	4320	0.90	3	Level	11%	0%	1.5	1.2	0.947	1.00	1,689	65.0	64.6	**26.2**	**D**
E	I-205 WB	East of Tracy Boulevard	PM	2620	0.90	3	Level	11%	0%	1.5	1.2	0.947	1.00	1,025	65.0	65.0	**15.8**	**B**
E	I-580 EB	West of I-205 Interchange	PM	6,960	0.91	4	Level	18%	0%	1.5	1.2	0.918	1.00	2,082	65.0	59.9	**34.8**	**D**
E	I-580 WB	West of I-205 Interchange	PM	3,140	0.91	5	Level	18%	0%	1.5	1.2	0.918	1.00	751	65.0	65.0	**11.6**	**B**
E	I-580 EB	West of Patterson Pass Road	PM	2050	0.92	2	Level	13%	0%	1.5	1.2	0.941	1.00	1,184	65.0	65.0	**18.2**	**C**
E	I-580 WB	West of Patterson Pass Road	PM	750	0.92	2	Level	13%	0%	1.5	1.2	0.941	1.00	433	65.0	65.0	**6.7**	**A**
E	I-580 EB	Patterson Pass Road to Corral Hollow R(	PM	2040	0.92	2	Level	15%	0%	1.5	1.2	0.930	1.00	1,193	65.0	65.0	**18.3**	**C**
E	I-580 WB	Patterson Pass Road to Corral Hollow R(	PM	720	0.92	2	Level	15%	0%	1.5	1.2	0.930	1.00	421	65.0	65.0	**6.5**	**A**
E	I-580 EB	East of Corral Hollow Road	PM	1650	0.92	2	Level	18%	0%	1.5	1.2	0.918	1.00	976	65.0	65.0	**15.0**	**B**
E	I-580 WB	East of Corral Hollow Road	PM	760	0.92	2	Level	18%	0%	1.5	1.2	0.918	1.00	450	65.0	65.0	**6.9**	**A**
E+P1	I-205 EB	West of MHP	PM	5010	0.90	3	Level	12%	0%	1.5	1.2	0.943	1.00	1,967	65.0	62.0	**31.7**	**D**
E+P1	I-205 WB	West of MHP	PM	2600	0.90	3	Level	12%	0%	1.5	1.2	0.943	1.00	1,021	65.0	65.0	**15.7**	**B**
E+P1	I-205 EB	MHP to Tracy Boulevard	PM	5540	0.90	3	Level	12%	0%	1.5	1.2	0.945	1.00	2,171	65.0	57.8	**37.5**	**E**
E+P1	I-205 WB	MHP to Tracy Boulevard	PM	2950	0.90	3	Level	12%	0%	1.5	1.2	0.945	1.00	1,156	65.0	65.0	**17.8**	**B**
E+P1	I-205 EB	East of Tracy Boulevard	PM	5040	0.90	3	Level	11%	0%	1.5	1.2	0.947	1.00	1,971	65.0	61.9	**31.8**	**D**
E+P1	I-205 WB	East of Tracy Boulevard	PM	2920	0.90	3	Level	11%	0%	1.5	1.2	0.947	1.00	1,142	65.0	65.0	**17.6**	**B**
E+P1	I-580 EB	West of I-205 Interchange	PM	7,100	0.91	4	Level	18%	0%	1.5	1.2	0.918	1.00	2,124	65.0	59.0	**36.0**	**E**
E+P1	I-580 WB	West of I-205 Interchange	PM	3,480	0.91	5	Level	18%	0%	1.5	1.2	0.918	1.00	833	65.0	65.0	**12.8**	**B**
E+P1	I-580 EB	West of Patterson Pass Road	PM	2090	0.92	2	Level	13%	0%	1.5	1.2	0.941	1.00	1,207	65.0	65.0	**18.6**	**C**
E+P1	I-580 WB	West of Patterson Pass Road	PM	880	0.92	2	Level	13%	0%	1.5	1.2	0.941	1.00	508	65.0	65.0	**7.8**	**A**
E+P1	I-580 EB	Patterson Pass Road to Corral Hollow R(	PM	2280	0.92	2	Level	15%	0%	1.5	1.2	0.930	1.00	1,333	65.0	65.0	**20.5**	**C**
E+P1	I-580 WB	Patterson Pass Road to Corral Hollow R(	PM	830	0.92	2	Level	15%	0%	1.5	1.2	0.930	1.00	485	65.0	65.0	**7.5**	**A**
E+P1	I-580 EB	East of Corral Hollow Road	PM	2000	0.92	2	Level	18%	0%	1.5	1.2	0.918	1.00	1,184	65.0	65.0	**18.2**	**C**
E+P1	I-580 WB	East of Corral Hollow Road	PM	910	0.92	2	Level	18%	0%	1.5	1.2	0.918	1.00	539	65.0	65.0	**8.3**	**A**

HCM 2000
Basic Freeway Segments
Capacity Analysis

Jurisdiction Tracy, CA
Analysis Year Existing
Analyst LR
Agency or Company
Date 2/7/2013
Project Description Cordes Ranch Specific Plan EIR

General Information				*Flow Rate Calculation*												*Speed Calculation*		*Results*	
	Freeway/ Direction	From/To	Analysis Time Period	Volume (vph)	PHF	Lanes	Terrain	Truck/ Bus %	RV %	E_T	E_R	f_{HV}	f_P	Flow Rate v_p (pcphpl)	Measured FFS (mph)	S (mph)	Density, D (pcplpm)	Level of Service
E	I-205 EB	West of MHP	PM	4910	0.90	3	Level	12%	0%	1.5	1.2	0.943	1.00	1,928	65.0	62.5	**30.8**	**D**
E	I-205 WB	West of MHP	PM	2390	0.90	3	Level	12%	0%	1.5	1.2	0.943	1.00	938	65.0	65.0	**14.4**	**B**
E	I-205 EB	MHP to Tracy Boulevard	PM	4980	0.90	3	Level	12%	0%	1.5	1.2	0.945	1.00	1,951	65.0	62.2	**31.4**	**D**
E	I-205 WB	MHP to Tracy Boulevard	PM	2690	0.90	3	Level	12%	0%	1.5	1.2	0.945	1.00	1,054	65.0	65.0	**16.2**	**B**
E	I-205 EB	East of Tracy Boulevard	PM	4320	0.90	3	Level	11%	0%	1.5	1.2	0.947	1.00	1,689	65.0	64.6	**26.2**	**D**
E	I-205 WB	East of Tracy Boulevard	PM	2620	0.90	3	Level	11%	0%	1.5	1.2	0.947	1.00	1,025	65.0	65.0	**15.8**	**B**
E	I-580 EB	West of I-205 Interchange	PM	6,960	0.91	4	Level	18%	0%	1.5	1.2	0.918	1.00	2,082	65.0	59.9	**34.8**	**D**
E	I-580 WB	West of I-205 Interchange	PM	3,140	0.91	5	Level	18%	0%	1.5	1.2	0.918	1.00	751	65.0	65.0	**11.6**	**B**
E	I-580 EB	West of Patterson Pass Road	PM	2050	0.92	2	Level	13%	0%	1.5	1.2	0.941	1.00	1,184	65.0	65.0	**18.2**	**C**
E	I-580 WB	West of Patterson Pass Road	PM	750	0.92	2	Level	13%	0%	1.5	1.2	0.941	1.00	433	65.0	65.0	**6.7**	**A**
E	I-580 EB	Patterson Pass Road to Corral Hollow R(	PM	2040	0.92	2	Level	15%	0%	1.5	1.2	0.930	1.00	1,193	65.0	65.0	**18.3**	**C**
E	I-580 WB	Patterson Pass Road to Corral Hollow R(	PM	720	0.92	2	Level	15%	0%	1.5	1.2	0.930	1.00	421	65.0	65.0	**6.5**	**A**
E	I-580 EB	East of Corral Hollow Road	PM	1650	0.92	2	Level	18%	0%	1.5	1.2	0.918	1.00	976	65.0	65.0	**15.0**	**B**
E	I-580 WB	East of Corral Hollow Road	PM	760	0.92	2	Level	18%	0%	1.5	1.2	0.918	1.00	450	65.0	65.0	**6.9**	**A**
E+BO	I-205 EB	West of MHP	PM	5220	0.90	3	Level	12%	0%	1.5	1.2	0.943	1.00	2,049	65.0	60.6	**33.8**	**D**
E+BO	I-205 WB	West of MHP	PM	3210	0.90	3	Level	12%	0%	1.5	1.2	0.943	1.00	1,260	65.0	65.0	**19.4**	**C**
E+BO	I-205 EB	MHP to Tracy Boulevard	PM	6970	0.90	3	Level	12%	0%	1.5	1.2	0.945	1.00	2,731	65.0	-	**-**	**F**
E+BO	I-205 WB	MHP to Tracy Boulevard	PM	3520	0.90	3	Level	12%	0%	1.5	1.2	0.945	1.00	1,379	65.0	65.0	**21.2**	**C**
E+BO	I-205 EB	East of Tracy Boulevard	PM	6870	0.90	3	Level	11%	0%	1.5	1.2	0.947	1.00	2,687	65.0	-	**-**	**F**
E+BO	I-205 WB	East of Tracy Boulevard	PM	3520	0.90	3	Level	11%	0%	1.5	1.2	0.947	1.00	1,377	65.0	65.0	**21.2**	**C**
E+BO	I-580 EB	West of I-205 Interchange	PM	7,390	0.91	4	Level	18%	0%	1.5	1.2	0.918	1.00	2,211	65.0	56.8	**39.0**	**E**
E+BO	I-580 WB	West of I-205 Interchange	PM	4,350	0.91	5	Level	18%	0%	1.5	1.2	0.918	1.00	1,041	65.0	65.0	**16.0**	**B**
E+BO	I-580 EB	West of Patterson Pass Road	PM	2170	0.92	2	Level	13%	0%	1.5	1.2	0.941	1.00	1,253	65.0	65.0	**19.3**	**C**
E+BO	I-580 WB	West of Patterson Pass Road	PM	1140	0.92	2	Level	13%	0%	1.5	1.2	0.941	1.00	658	65.0	65.0	**10.1**	**A**
E+BO	I-580 EB	Patterson Pass Road to Corral Hollow R(	PM	2900	0.92	2	Level	15%	0%	1.5	1.2	0.930	1.00	1,695	65.0	64.6	**26.3**	**D**
E+BO	I-580 WB	Patterson Pass Road to Corral Hollow R(	PM	1040	0.92	2	Level	15%	0%	1.5	1.2	0.930	1.00	608	65.0	65.0	**9.4**	**A**
E+BO	I-580 EB	East of Corral Hollow Road	PM	2860	0.92	2	Level	18%	0%	1.5	1.2	0.918	1.00	1,692	65.0	64.6	**26.2**	**D**
E+BO	I-580 WB	East of Corral Hollow Road	PM	1190	0.92	2	Level	18%	0%	1.5	1.2	0.918	1.00	704	65.0	65.0	**10.8**	**A**

HCM 2000
Basic Freeway Segments
Capacity Analysis

Jurisdiction Tracy, CA | Agency or Company
Analysis Year 2035 | Date 2/7/2013
Analyst LR | Project Description Cordes Ranch Specific Plan EIR

General Information				*Flow Rate Calculation*											*Speed Calculation*		*Results*	
	Freeway/ Direction	From/To	Analysis Time Period	Volume (vph)	PHF	Lanes	Terrain	Truck/ Bus %	RV %	E_T	E_R	f_{HV}	f_P	Flow Rate v_p (pcphpl)	Measured FFS (mph)	S (mph)	Density, D (pcplpm)	Level of Service
2035	I-205 EB	West of MHP	AM	3330	0.95	3	Level	12%	0%	1.5	1.2	0.943	1.00	1,239	65.0	65.0	**19.1**	**C**
2035	I-205 WB	West of MHP	AM	4590	0.95	3	Level	12%	0%	1.5	1.2	0.943	1.00	1,707	65.0	64.5	**26.5**	**D**
2035	I-205 EB	MHP to Tracy Boulevard	AM	4480	0.95	3	Level	12%	0%	1.5	1.2	0.945	1.00	1,663	65.0	64.7	**25.7**	**C**
2035	I-205 WB	MHP to Tracy Boulevard	AM	4820	0.95	3	Level	12%	0%	1.5	1.2	0.945	1.00	1,789	65.0	64.0	**28.0**	**D**
2035	I-205 EB	East of Tracy Boulevard	AM	6070	0.95	3	Level	11%	0%	1.5	1.2	0.947	1.00	2,249	65.0	55.6	**40.4**	**E**
2035	I-205 WB	East of Tracy Boulevard	AM	6800	0.95	3	Level	11%	0%	1.5	1.2	0.947	1.00	2,519	65.0	-	**-**	**F**
2035	I-580 EB	West of I-205 Interchange	AM	4,260	0.95	4	Level	18%	0%	1.5	1.2	0.918	1.00	1,221	65.0	65.0	**18.8**	**C**
2035	I-580 WB	West of I-205 Interchange	AM	7,070	0.95	5	Level	18%	0%	1.5	1.2	0.918	1.00	1,621	65.0	64.8	**25.0**	**C**
2035	I-580 EB	West of Patterson Pass Road	AM	930	0.95	2	Level	13%	0%	1.5	1.2	0.941	1.00	520	65.0	65.0	**8.0**	**A**
2035	I-580 WB	West of Patterson Pass Road	AM	2480	0.95	2	Level	13%	0%	1.5	1.2	0.941	1.00	1,387	65.0	65.0	**21.3**	**C**
2035	I-580 EB	Patterson Pass Road to Corral Hollow R	AM	920	0.95	2	Level	15%	0%	1.5	1.2	0.930	1.00	521	65.0	65.0	**8.0**	**A**
2035	I-580 WB	Patterson Pass Road to Corral Hollow R	AM	2450	0.95	2	Level	15%	0%	1.5	1.2	0.930	1.00	1,387	65.0	65.0	**21.3**	**C**
2035	I-580 EB	East of Corral Hollow Road	AM	920	0.95	2	Level	18%	0%	1.5	1.2	0.918	1.00	527	65.0	65.0	**8.1**	**A**
2035	I-580 WB	East of Corral Hollow Road	AM	1840	0.95	2	Level	18%	0%	1.5	1.2	0.918	1.00	1,054	65.0	65.0	**16.2**	**B**
2035+P1	I-205 EB	West of MHP	AM	3430	0.95	3	Level	12%	0%	1.5	1.2	0.943	1.00	1,276	65.0	65.0	**19.6**	**C**
2035+P1	I-205 WB	West of MHP	AM	4640	0.95	3	Level	12%	0%	1.5	1.2	0.943	1.00	1,726	65.0	64.4	**26.8**	**D**
2035+P1	I-205 EB	MHP to Tracy Boulevard	AM	4610	0.95	3	Level	12%	0%	1.5	1.2	0.945	1.00	1,711	65.0	64.5	**26.5**	**D**
2035+P1	I-205 WB	MHP to Tracy Boulevard	AM	5290	0.95	3	Level	12%	0%	1.5	1.2	0.945	1.00	1,964	65.0	62.0	**31.7**	**D**
2035+P1	I-205 EB	East of Tracy Boulevard	AM	6240	0.95	3	Level	11%	0%	1.5	1.2	0.947	1.00	2,312	65.0	53.6	**43.1**	**E**
2035+P1	I-205 WB	East of Tracy Boulevard	AM	7540	0.95	3	Level	11%	0%	1.5	1.2	0.947	1.00	2,794	65.0	-	**-**	**F**
2035+P1	I-580 EB	West of I-205 Interchange	AM	4,490	0.95	4	Level	18%	0%	1.5	1.2	0.918	1.00	1,287	65.0	65.0	**19.8**	**C**
2035+P1	I-580 WB	West of I-205 Interchange	AM	7,150	0.95	5	Level	18%	0%	1.5	1.2	0.918	1.00	1,639	65.0	64.8	**25.3**	**C**
2035+P1	I-580 EB	West of Patterson Pass Road	AM	1060	0.95	2	Level	13%	0%	1.5	1.2	0.941	1.00	593	65.0	65.0	**9.1**	**A**
2035+P1	I-580 WB	West of Patterson Pass Road	AM	2510	0.95	2	Level	13%	0%	1.5	1.2	0.941	1.00	1,404	65.0	65.0	**21.6**	**C**
2035+P1	I-580 EB	Patterson Pass Road to Corral Hollow R	AM	970	0.95	2	Level	15%	0%	1.5	1.2	0.930	1.00	549	65.0	65.0	**8.4**	**A**
2035+P1	I-580 WB	Patterson Pass Road to Corral Hollow R	AM	2640	0.95	2	Level	15%	0%	1.5	1.2	0.930	1.00	1,495	65.0	65.0	**23.0**	**C**
2035+P1	I-580 EB	East of Corral Hollow Road	AM	1000	0.95	2	Level	18%	0%	1.5	1.2	0.918	1.00	573	65.0	65.0	**8.8**	**A**
2035+P1	I-580 WB	East of Corral Hollow Road	AM	2140	0.95	2	Level	18%	0%	1.5	1.2	0.918	1.00	1,226	65.0	65.0	**18.9**	**C**

HCM 2000
Basic Freeway Segments
Capacity Analysis

Jurisdiction Tracy, CA
Analysis Year 2035
Analyst LR
Agency or Company
Date 2/7/2013
Project Description Cordes Ranch Specific Plan EIR

General Information				*Flow Rate Calculation*											*Speed Calculation*			*Results*	
	Freeway/ Direction	From/To	Analysis Time Period	Volume (vph)	PHF	Lanes	Terrain	Truck/ Bus %	RV %	E_T	E_R	f_{HV}	f_P	Flow Rate v_p (pcphpl)	Measured FFS (mph)	FFS (mph)	S (mph)	Density, D (pcplpm)	Level of Service
2035	I-205 EB	West of MHP	AM	3330	0.95	3	Level	12%	0%	1.5	1.2	0.943	1.00	1,239	65.0	65.0	65.0	**19.1**	**C**
2035	I-205 WB	West of MHP	AM	4590	0.95	3	Level	12%	0%	1.5	1.2	0.943	1.00	1,707	65.0	65.0	64.5	**26.5**	**D**
2035	I-205 EB	MHP to Tracy Boulevard	AM	4480	0.95	3	Level	12%	0%	1.5	1.2	0.945	1.00	1,663	65.0	65.0	64.7	**25.7**	**C**
2035	I-205 WB	MHP to Tracy Boulevard	AM	4820	0.95	3	Level	12%	0%	1.5	1.2	0.945	1.00	1,789	65.0	65.0	64.0	**28.0**	**D**
2035	I-205 EB	East of Tracy Boulevard	AM	6070	0.95	3	Level	11%	0%	1.5	1.2	0.947	1.00	2,249	65.0	65.0	55.6	**40.4**	**E**
2035	I-205 WB	East of Tracy Boulevard	AM	6800	0.95	3	Level	11%	0%	1.5	1.2	0.947	1.00	2,519	65.0	65.0	-	**-**	**F**
2035	I-580 EB	West of I-205 Interchange	AM	4,260	0.95	4	Level	18%	0%	1.5	1.2	0.918	1.00	1,221	65.0	65.0	65.0	**18.8**	**C**
2035	I-580 WB	West of I-205 Interchange	AM	7,070	0.95	5	Level	18%	0%	1.5	1.2	0.918	1.00	1,621	65.0	65.0	64.8	**25.0**	**C**
2035	I-580 EB	West of Patterson Pass Road	AM	930	0.95	2	Level	13%	0%	1.5	1.2	0.941	1.00	520	65.0	65.0	65.0	**8.0**	**A**
2035	I-580 WB	West of Patterson Pass Road	AM	2480	0.95	2	Level	13%	0%	1.5	1.2	0.941	1.00	1,387	65.0	65.0	65.0	**21.3**	**C**
2035	I-580 EB	Patterson Pass Road to Corral Hollow R(	AM	920	0.95	2	Level	15%	0%	1.5	1.2	0.930	1.00	521	65.0	65.0	65.0	**8.0**	**A**
2035	I-580 WB	Patterson Pass Road to Corral Hollow R(	AM	2450	0.95	2	Level	15%	0%	1.5	1.2	0.930	1.00	1,387	65.0	65.0	65.0	**21.3**	**C**
2035	I-580 EB	East of Corral Hollow Road	AM	920	0.95	2	Level	18%	0%	1.5	1.2	0.918	1.00	527	65.0	65.0	65.0	**8.1**	**A**
2035	I-580 WB	East of Corral Hollow Road	AM	1840	0.95	2	Level	18%	0%	1.5	1.2	0.918	1.00	1,054	65.0	65.0	65.0	**16.2**	**B**
2035+BO	I-205 EB	West of MHP	AM	4080	0.95	3	Level	12%	0%	1.5	1.2	0.943	1.00	1,517	65.0	65.0	65.0	**23.4**	**C**
2035+BO	I-205 WB	West of MHP	AM	4770	0.95	3	Level	12%	0%	1.5	1.2	0.943	1.00	1,774	65.0	65.0	64.1	**27.7**	**D**
2035+BO	I-205 EB	MHP to Tracy Boulevard	AM	4870	0.95	3	Level	12%	0%	1.5	1.2	0.945	1.00	1,808	65.0	65.0	63.8	**28.3**	**D**
2035+BO	I-205 WB	MHP to Tracy Boulevard	AM	6810	0.95	3	Level	12%	0%	1.5	1.2	0.945	1.00	2,528	65.0	65.0	-	**-**	**F**
2035+BO	I-205 EB	East of Tracy Boulevard	AM	6430	0.95	3	Level	11%	0%	1.5	1.2	0.947	1.00	2,382	65.0	65.0	-	**-**	**F**
2035+BO	I-205 WB	East of Tracy Boulevard	AM	9540	0.95	3	Level	11%	0%	1.5	1.2	0.947	1.00	3,534	65.0	65.0	-	**-**	**F**
2035+BO	I-580 EB	West of I-205 Interchange	AM	5,430	0.95	4	Level	18%	0%	1.5	1.2	0.918	1.00	1,556	65.0	65.0	65.0	**24.0**	**C**
2035+BO	I-580 WB	West of I-205 Interchange	AM	7,340	0.95	5	Level	18%	0%	1.5	1.2	0.918	1.00	1,683	65.0	65.0	64.6	**26.0**	**D**
2035+BO	I-580 EB	West of Patterson Pass Road	AM	1350	0.95	2	Level	13%	0%	1.5	1.2	0.941	1.00	755	65.0	65.0	65.0	**11.6**	**B**
2035+BO	I-580 WB	West of Patterson Pass Road	AM	2570	0.95	2	Level	13%	0%	1.5	1.2	0.941	1.00	1,437	65.0	65.0	65.0	**22.1**	**C**
2035+BO	I-580 EB	Patterson Pass Road to Corral Hollow R(	AM	1110	0.95	2	Level	15%	0%	1.5	1.2	0.930	1.00	628	65.0	65.0	65.0	**9.7**	**A**
2035+BO	I-580 WB	Patterson Pass Road to Corral Hollow R(	AM	3310	0.95	2	Level	15%	0%	1.5	1.2	0.930	1.00	1,874	65.0	65.0	63.2	**29.7**	**D**
2035+BO	I-580 EB	East of Corral Hollow Road	AM	1190	0.95	2	Level	18%	0%	1.5	1.2	0.918	1.00	682	65.0	65.0	65.0	**10.5**	**A**
2035+BO	I-580 WB	East of Corral Hollow Road	AM	3090	0.95	2	Level	18%	0%	1.5	1.2	0.918	1.00	1,771	65.0	65.0	64.1	**27.6**	**D**

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	Freeway/ Direction	From/To	Analysis Time Period	Volume (vph)	PHF	Lanes	Terrain	Truck/ Bus %	RV %	E_T	E_R	f_{HV}	f_P	Flow Rate v_p (pcphpl)	Measured FFS (mph)	S (mph)	Density, D (pcplpm)	Level of Service
2035	I-205 EB	West of MHP	PM	5530	0.95	3	Level	12%	0%	1.5	1.2	0.943	1.00	2,057	65.0	60.4	**34.0**	**D**
2035	I-205 WB	West of MHP	PM	4990	0.95	3	Level	12%	0%	1.5	1.2	0.943	1.00	1,856	65.0	63.4	**29.3**	**D**
2035	I-205 EB	MHP to Tracy Boulevard	PM	6980	0.95	3	Level	12%	0%	1.5	1.2	0.945	1.00	2,591	65.0	-	**-**	**F**
2035	I-205 WB	MHP to Tracy Boulevard	PM	6780	0.95	3	Level	12%	0%	1.5	1.2	0.945	1.00	2,517	65.0	-	**-**	**F**
2035	I-205 EB	East of Tracy Boulevard	PM	9900	0.95	3	Level	11%	0%	1.5	1.2	0.947	1.00	3,668	65.0	-	**-**	**F**
2035	I-205 WB	East of Tracy Boulevard	PM	8640	0.95	3	Level	11%	0%	1.5	1.2	0.947	1.00	3,201	65.0	-	**-**	**F**
2035	I-580 EB	West of I-205 Interchange	PM	8,000	0.95	4	Level	18%	0%	1.5	1.2	0.918	1.00	2,292	65.0	54.2	**42.3**	**E**
2035	I-580 WB	West of I-205 Interchange	PM	5,950	0.95	5	Level	18%	0%	1.5	1.2	0.918	1.00	1,364	65.0	65.0	**21.0**	**C**
2035	I-580 EB	West of Patterson Pass Road	PM	2470	0.95	2	Level	13%	0%	1.5	1.2	0.941	1.00	1,381	65.0	65.0	**21.3**	**C**
2035	I-580 WB	West of Patterson Pass Road	PM	960	0.95	2	Level	13%	0%	1.5	1.2	0.941	1.00	537	65.0	65.0	**8.3**	**A**
2035	I-580 EB	Patterson Pass Road to Corral Hollow R	PM	2700	0.95	2	Level	15%	0%	1.5	1.2	0.930	1.00	1,529	65.0	65.0	**23.5**	**C**
2035	I-580 WB	Patterson Pass Road to Corral Hollow R	PM	1260	0.95	2	Level	15%	0%	1.5	1.2	0.930	1.00	713	65.0	65.0	**11.0**	**A**
2035	I-580 EB	East of Corral Hollow Road	PM	2430	0.95	2	Level	18%	0%	1.5	1.2	0.918	1.00	1,393	65.0	65.0	**21.4**	**C**
2035	I-580 WB	East of Corral Hollow Road	PM	1030	0.95	2	Level	18%	0%	1.5	1.2	0.918	1.00	590	65.0	65.0	**9.1**	**A**
2035+P1	I-205 EB	West of MHP	PM	5640	0.95	3	Level	12%	0%	1.5	1.2	0.943	1.00	2,098	65.0	59.6	**35.2**	**E**
2035+P1	I-205 WB	West of MHP	PM	5170	0.95	3	Level	12%	0%	1.5	1.2	0.943	1.00	1,923	65.0	62.6	**30.7**	**D**
2035+P1	I-205 EB	MHP to Tracy Boulevard	PM	7050	0.95	3	Level	12%	0%	1.5	1.2	0.945	1.00	2,617	65.0	-	**-**	**F**
2035+P1	I-205 WB	MHP to Tracy Boulevard	PM	6970	0.95	3	Level	12%	0%	1.5	1.2	0.945	1.00	2,587	65.0	-	**-**	**F**
2035+P1	I-205 EB	East of Tracy Boulevard	PM	1028	0.95	3	Level	11%	0%	1.5	1.2	0.947	1.00	381	65.0	65.0	**5.9**	**A**
2035+P1	I-205 WB	East of Tracy Boulevard	PM	8760	0.95	3	Level	11%	0%	1.5	1.2	0.947	1.00	3,246	65.0	-	**-**	**F**
2035+P1	I-580 EB	West of I-205 Interchange	PM	8,150	0.95	4	Level	18%	0%	1.5	1.2	0.918	1.00	2,335	65.0	52.8	**44.3**	**E**
2035+P1	I-580 WB	West of I-205 Interchange	PM	6,290	0.95	5	Level	18%	0%	1.5	1.2	0.918	1.00	1,442	65.0	65.0	**22.2**	**C**
2035+P1	I-580 EB	West of Patterson Pass Road	PM	2510	0.95	2	Level	13%	0%	1.5	1.2	0.941	1.00	1,404	65.0	65.0	**21.6**	**C**
2035+P1	I-580 WB	West of Patterson Pass Road	PM	1120	0.95	2	Level	13%	0%	1.5	1.2	0.941	1.00	626	65.0	65.0	**9.6**	**A**
2035+P1	I-580 EB	Patterson Pass Road to Corral Hollow R	PM	2880	0.95	2	Level	15%	0%	1.5	1.2	0.930	1.00	1,630	65.0	64.8	**25.2**	**C**
2035+P1	I-580 WB	Patterson Pass Road to Corral Hollow R	PM	1360	0.95	2	Level	15%	0%	1.5	1.2	0.930	1.00	770	65.0	65.0	**11.8**	**B**
2035+P1	I-580 EB	East of Corral Hollow Road	PM	2830	0.95	2	Level	18%	0%	1.5	1.2	0.918	1.00	1,622	65.0	64.8	**25.0**	**C**
2035+P1	I-580 WB	East of Corral Hollow Road	PM	1160	0.95	2	Level	18%	0%	1.5	1.2	0.918	1.00	665	65.0	65.0	**10.2**	**A**

HCM 2000
Basic Freeway Segments
Capacity Analysis

Jurisdiction Tracy, CA | Agency or Company
Analysis Year 2035 | Date 2/7/2013
Analyst LR | Project Description Cordes Ranch Specific Plan EIR

General Information				*Flow Rate Calculation*											*Speed Calculation*		*Results*	
	Freeway/ Direction	From/To	Analysis Time Period	Volume (vph)	PHF	Lanes	Terrain	Truck/ Bus %	RV %	E_T	E_R	f_{HV}	f_P	Flow Rate v_p (pcphpl)	Measured FFS (mph)	S (mph)	Density, D (pcplpm)	Level of Service
2035	I-205 EB	West of MHP	PM	5530	0.95	3	Level	12%	0%	1.5	1.2	0.943	1.00	2,057	65.0	60.4	**34.0**	**D**
2035	I-205 WB	West of MHP	PM	4990	0.95	3	Level	12%	0%	1.5	1.2	0.943	1.00	1,856	65.0	63.4	**29.3**	**D**
2035	I-205 EB	MHP to Tracy Boulevard	PM	6980	0.95	3	Level	12%	0%	1.5	1.2	0.945	1.00	2,591	65.0	-	**-**	**F**
2035	I-205 WB	MHP to Tracy Boulevard	PM	6780	0.95	3	Level	12%	0%	1.5	1.2	0.945	1.00	2,517	65.0	-	**-**	**F**
2035	I-205 EB	East of Tracy Boulevard	PM	9900	0.95	3	Level	11%	0%	1.5	1.2	0.947	1.00	3,668	65.0	-	**-**	**F**
2035	I-205 WB	East of Tracy Boulevard	PM	8640	0.95	3	Level	11%	0%	1.5	1.2	0.947	1.00	3,201	65.0	-	**-**	**F**
2035	I-580 EB	West of I-205 Interchange	PM	8,000	0.95	4	Level	18%	0%	1.5	1.2	0.918	1.00	2,292	65.0	54.2	**42.3**	**E**
2035	I-580 WB	West of I-205 Interchange	PM	5,950	0.95	5	Level	18%	0%	1.5	1.2	0.918	1.00	1,364	65.0	65.0	**21.0**	**C**
2035	I-580 EB	West of Patterson Pass Road	PM	2470	0.95	2	Level	13%	0%	1.5	1.2	0.941	1.00	1,381	65.0	65.0	**21.3**	**C**
2035	I-580 WB	West of Patterson Pass Road	PM	960	0.95	2	Level	13%	0%	1.5	1.2	0.941	1.00	537	65.0	65.0	**8.3**	**A**
2035	I-580 EB	Patterson Pass Road to Corral Hollow R	PM	2700	0.95	2	Level	15%	0%	1.5	1.2	0.930	1.00	1,529	65.0	65.0	**23.5**	**C**
2035	I-580 WB	Patterson Pass Road to Corral Hollow R	PM	1260	0.95	2	Level	15%	0%	1.5	1.2	0.930	1.00	713	65.0	65.0	**11.0**	**A**
2035	I-580 EB	East of Corral Hollow Road	PM	2430	0.95	2	Level	18%	0%	1.5	1.2	0.918	1.00	1,393	65.0	65.0	**21.4**	**C**
2035	I-580 WB	East of Corral Hollow Road	PM	1030	0.95	2	Level	18%	0%	1.5	1.2	0.918	1.00	590	65.0	65.0	**9.1**	**A**
2035+BO	I-205 EB	West of MHP	PM	5840	0.95	3	Level	12%	0%	1.5	1.2	0.943	1.00	2,172	65.0	57.8	**37.6**	**E**
2035+BO	I-205 WB	West of MHP	PM	5780	0.95	3	Level	12%	0%	1.5	1.2	0.943	1.00	2,150	65.0	58.4	**36.8**	**E**
2035+BO	I-205 EB	MHP to Tracy Boulevard	PM	8480	0.95	3	Level	12%	0%	1.5	1.2	0.945	1.00	3,148	65.0	-	**-**	**F**
2035+BO	I-205 WB	MHP to Tracy Boulevard	PM	7540	0.95	3	Level	12%	0%	1.5	1.2	0.945	1.00	2,799	65.0	-	**-**	**F**
2035+BO	I-205 EB	East of Tracy Boulevard	PM	12100	0.95	3	Level	11%	0%	1.5	1.2	0.947	1.00	4,483	65.0	-	**-**	**F**
2035+BO	I-205 WB	East of Tracy Boulevard	PM	9360	0.95	3	Level	11%	0%	1.5	1.2	0.947	1.00	3,468	65.0	-	**-**	**F**
2035+BO	I-580 EB	West of I-205 Interchange	PM	8,340	0.95	4	Level	18%	0%	1.5	1.2	0.918	1.00	2,390	65.0	-	**-**	**F**
2035+BO	I-580 WB	West of I-205 Interchange	PM	7,160	0.95	5	Level	18%	0%	1.5	1.2	0.918	1.00	1,641	65.0	64.8	**25.3**	**C**
2035+BO	I-580 EB	West of Patterson Pass Road	PM	2500	0.95	2	Level	13%	0%	1.5	1.2	0.941	1.00	1,398	65.0	65.0	**21.5**	**C**
2035+BO	I-580 WB	West of Patterson Pass Road	PM	1380	0.95	2	Level	13%	0%	1.5	1.2	0.941	1.00	772	65.0	65.0	**11.9**	**B**
2035+BO	I-580 EB	Patterson Pass Road to Corral Hollow R	PM	3510	0.95	2	Level	15%	0%	1.5	1.2	0.930	1.00	1,987	65.0	61.7	**32.2**	**D**
2035+BO	I-580 WB	Patterson Pass Road to Corral Hollow R	PM	1570	0.95	2	Level	15%	0%	1.5	1.2	0.930	1.00	889	65.0	65.0	**13.7**	**B**
2035+BO	I-580 EB	East of Corral Hollow Road	PM	3690	0.95	2	Level	18%	0%	1.5	1.2	0.918	1.00	2,115	65.0	59.2	**35.7**	**E**
2035+BO	I-580 WB	East of Corral Hollow Road	PM	1450	0.95	2	Level	18%	0%	1.5	1.2	0.918	1.00	831	65.0	65.0	**12.8**	**B**

Appendix F
Trigger Analysis Calculations

Note: only showing the peak period that produces an unacceptable LOS at the lowest percent of project.

Intersection: **I-205 WB/MHP**
Peak Period: **AM**

Background Traffic

NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
13	105	0	0	341	307	0	0	0	285	1	245

Total Traffic

NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
48	186	0	0	643	307	0	0	0	1333	1	245

Project Traffic (100%)

NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
35	81	0	0	302	0	0	0	0	1048	0	0

Background + Project Traffic (85%)

NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR	LOS
40	170	0	0	600	310	0	0	0	1180	0	250	E

Background + Project Traffic (90%)

NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR	LOS
40	180	0	0	610	310	0	0	0	1230	0	250	F

Intersection: **I-205 EB/MHP**
Peak Period: **PM**

Background Traffic

NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
0	80	335	0	189	0	263	5	26	0	0	0

Total Traffic

NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
0	580	1544	0	831	0	263	5	114	0	0	0

Project Traffic (100%)

NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
0	500	1209	0	642	0	0	0	88	0	0	0

Background + Project Traffic (90%):

NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR	LOS
0	530	1420	0	770	0	260	10	110	0	0	0	E

Background + Project Traffic (95%):

NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR	LOS
0	560	1480	0	800	0	260	10	110	0	0	0	F

Intersection: **I-580 EB/MHP**
Peak Period: **PM**

Background Traffic

NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
0	0	0	218	4	68	0	187	142	136	21	0

Total Traffic

NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
0	0	0	272	4	68	0	187	142	483	21	0

Project Traffic (100%)

NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
0	0	0	54	0	0	0	0	0	347	0	0

Background + Project Traffic (25%):

NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR	LOS
0	0	0	230	0	70	0	190	140	220	20	0	E

Background + Project Traffic (30%):

NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR	LOS
0	0	0	230	0	70	0	190	140	240	20	0	F

Intersection: **Old Schulte Road/Hansen Road**
Peak Period: **PM**

Background Traffic

NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
81	19	16	18	16	5	12	336	42	8	84	23

Total Traffic

NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
81	38	16	660	39	587	198	798	42	8	358	215

Project Traffic (100%)

NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
0	19	0	642	23	582	186	462	0	0	274	192

Background + Project Traffic (15%):

NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR	LOS
80	20	20	110	20	90	40	410	40	10	130	50	D

Background + Project Traffic (20%):

NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR	LOS
80	20	20	150	20	120	50	430	40	10	140	60	F

Intersection: **Old Schulte Road/Lammers Road**
Peak Period: **AM**

Background Traffic

NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
208	423	0	0	221	70	39	0	36	0	0	0

Total Traffic

NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
844	423	0	0	221	406	128	0	205	0	0	0

Project Traffic (100%)

NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
636	0	0	0	0	336	89	0	169	0	0	0

Background + Project Traffic (5%):

NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR	**LOS**
240	420	0	0	220	90	40	0	40	0	0	0	E

Intersection: **Valpico Road/Lammers Road**
Peak Period: **AM**

Background Traffic

NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
0	6	8	174	8	0	0	0	0	6	0	403

Total Traffic

NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
0	17	8	299	12	0	0	0	0	6	0	877

Project Traffic (100%)

NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
0	11	0	125	4	0	0	0	0	0	0	474

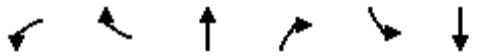
Background + Project Traffic (99%): *# of **total** project trips in:* 2989.8 *# of **total** project trips out:* 803.88

NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR	LOS
0	20	10	300	10	0	0	0	0	10	0	870	D

100% is the trigger (35.6 sec delay)

Appendix G
FEIR Analysis (June – July 2013)

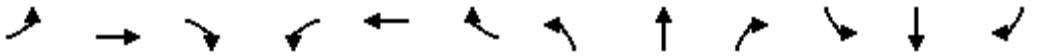
FEHR & PEERS



Movement	WBL	WBR	NBT	NBR	SBL	SBT
Lane Configurations						
Volume (vph)	1200	1740	300	0	0	3320
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900
Total Lost time (s)	5.1	5.1	5.7			5.7
Lane Util. Factor	0.97	0.76	0.95			0.91
Frt	1.00	0.85	1.00			1.00
Flt Protected	0.95	1.00	1.00			1.00
Satd. Flow (prot)	3183	3347	3282			4715
Flt Permitted	0.95	1.00	1.00			1.00
Satd. Flow (perm)	3183	3347	3282			4715
Peak-hour factor, PHF	1.00	1.00	1.00	1.00	1.00	1.00
Adj. Flow (vph)	1200	1740	300	0	0	3320
RTOR Reduction (vph)	0	891	0	0	0	0
Lane Group Flow (vph)	1200	849	300	0	0	3320
Heavy Vehicles (%)	10%	10%	10%	10%	10%	10%
Turn Type	NA	Perm	NA			NA
Protected Phases	8		2			6
Permitted Phases		8				
Actuated Green, G (s)	37.9	37.9	71.3			71.3
Effective Green, g (s)	37.9	37.9	71.3			71.3
Actuated g/C Ratio	0.32	0.32	0.59			0.59
Clearance Time (s)	5.1	5.1	5.7			5.7
Vehicle Extension (s)	2.3	2.3	4.0			4.0
Lane Grp Cap (vph)	1005	1057	1950			2801
v/s Ratio Prot	c0.38		0.09			c0.70
v/s Ratio Perm		0.25				
v/c Ratio	1.19	0.80	0.15			1.19
Uniform Delay, d1	41.0	37.6	10.9			24.4
Progression Factor	1.00	1.00	0.78			1.00
Incremental Delay, d2	97.2	4.3	0.2			87.3
Delay (s)	138.3	42.0	8.7			111.7
Level of Service	F	D	A			F
Approach Delay (s)	81.3		8.7			111.7
Approach LOS	F		A			F

Intersection Summary			
HCM 2000 Control Delay	93.3	HCM 2000 Level of Service	F
HCM 2000 Volume to Capacity ratio	1.19		
Actuated Cycle Length (s)	120.0	Sum of lost time (s)	10.8
Intersection Capacity Utilization	107.4%	ICU Level of Service	G
Analysis Period (min)	15		

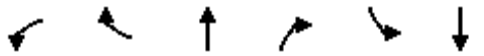
c Critical Lane Group



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Volume (vph)	200	0	600	0	0	0	0	500	330	0	2730	1215
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Total Lost time (s)	5.1	5.1	5.1					5.7	5.7		5.7	5.7
Lane Util. Factor	0.95	0.91	0.95					0.95	0.88		0.91	0.88
Frpb, ped/bikes	1.00	1.00	1.00					1.00	0.95		1.00	0.95
Flpb, ped/bikes	1.00	1.00	1.00					1.00	1.00		1.00	1.00
Frt	1.00	0.86	0.85					1.00	0.85		1.00	0.85
Flt Protected	0.95	1.00	1.00					1.00	1.00		1.00	1.00
Satd. Flow (prot)	1559	1347	1395					3282	2463		4715	2462
Flt Permitted	0.95	1.00	1.00					1.00	1.00		1.00	1.00
Satd. Flow (perm)	1559	1347	1395					3282	2463		4715	2462
Peak-hour factor, PHF	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj. Flow (vph)	200	0	600	0	0	0	0	500	330	0	2730	1215
RTOR Reduction (vph)	0	19	19	0	0	0	0	0	109	0	0	361
Lane Group Flow (vph)	180	295	287	0	0	0	0	500	221	0	2730	854
Confl. Peds. (#/hr)									10			10
Confl. Bikes (#/hr)												1
Heavy Vehicles (%)	10%	10%	10%	10%	10%	10%	10%	10%	10%	10%	10%	10%
Turn Type	Split	NA	Perm					NA	Perm		NA	Perm
Protected Phases	4	4						2			6	
Permitted Phases			4						2			6
Actuated Green, G (s)	28.9	28.9	28.9					80.3	80.3		80.3	80.3
Effective Green, g (s)	28.9	28.9	28.9					80.3	80.3		80.3	80.3
Actuated g/C Ratio	0.24	0.24	0.24					0.67	0.67		0.67	0.67
Clearance Time (s)	5.1	5.1	5.1					5.7	5.7		5.7	5.7
Vehicle Extension (s)	1.3	1.3	1.3					4.0	4.0		4.0	4.0
Lane Grp Cap (vph)	375	324	335					2196	1648		3155	1647
v/s Ratio Prot	0.12	c0.22						0.15			c0.58	
v/s Ratio Perm			0.21						0.09			0.35
v/c Ratio	0.48	0.91	0.86					0.23	0.13		0.87	0.52
Uniform Delay, d1	39.1	44.3	43.6					7.7	7.2		15.6	10.1
Progression Factor	1.00	1.00	1.00					1.00	1.00		0.59	0.13
Incremental Delay, d2	0.4	28.0	18.3					0.2	0.2		0.3	0.1
Delay (s)	39.5	72.3	61.9					8.0	7.4		9.5	1.4
Level of Service	D	E	E					A	A		A	A
Approach Delay (s)		60.9			0.0			7.7			7.0	
Approach LOS		E			A			A			A	

Intersection Summary			
HCM 2000 Control Delay	14.9	HCM 2000 Level of Service	B
HCM 2000 Volume to Capacity ratio	0.88		
Actuated Cycle Length (s)	120.0	Sum of lost time (s)	10.8
Intersection Capacity Utilization	86.5%	ICU Level of Service	E
Analysis Period (min)	15		

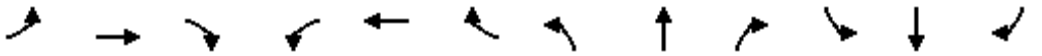
c Critical Lane Group



Movement	WBL	WBR	NBT	NBR	SBL	SBT
Lane Configurations						
Volume (vph)	520	2780	1200	0	0	2510
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900
Total Lost time (s)	5.1	5.1	5.7			5.7
Lane Util. Factor	0.97	0.76	0.95			0.91
Frt	1.00	0.85	1.00			1.00
Flt Protected	0.95	1.00	1.00			1.00
Satd. Flow (prot)	3183	3347	3282			4715
Flt Permitted	0.95	1.00	1.00			1.00
Satd. Flow (perm)	3183	3347	3282			4715
Peak-hour factor, PHF	1.00	1.00	1.00	1.00	1.00	1.00
Adj. Flow (vph)	520	2780	1200	0	0	2510
RTOR Reduction (vph)	0	15	0	0	0	0
Lane Group Flow (vph)	520	2765	1200	0	0	2510
Heavy Vehicles (%)	10%	10%	10%	10%	10%	10%
Turn Type	NA	Perm	NA			NA
Protected Phases	8		2			6
Permitted Phases		8				
Actuated Green, G (s)	81.9	81.9	57.3			57.3
Effective Green, g (s)	81.9	81.9	57.3			57.3
Actuated g/C Ratio	0.55	0.55	0.38			0.38
Clearance Time (s)	5.1	5.1	5.7			5.7
Vehicle Extension (s)	2.3	2.3	4.0			4.0
Lane Grp Cap (vph)	1737	1827	1253			1801
v/s Ratio Prot	0.16		0.37			c0.53
v/s Ratio Perm		c0.83				
v/c Ratio	0.30	1.51	0.96			1.39
Uniform Delay, d1	18.5	34.0	45.2			46.4
Progression Factor	1.00	1.00	0.95			1.00
Incremental Delay, d2	0.1	233.8	10.7			180.6
Delay (s)	18.5	267.8	53.6			227.0
Level of Service	B	F	D			F
Approach Delay (s)	228.6		53.6			227.0
Approach LOS	F		D			F

Intersection Summary			
HCM 2000 Control Delay	198.0	HCM 2000 Level of Service	F
HCM 2000 Volume to Capacity ratio	1.46		
Actuated Cycle Length (s)	150.0	Sum of lost time (s)	10.8
Intersection Capacity Utilization	107.0%	ICU Level of Service	G
Analysis Period (min)	15		

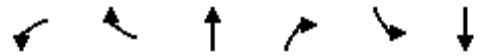
c Critical Lane Group



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Volume (vph)	450	0	190	0	0	0	0	1920	1560	0	1300	1560
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Total Lost time (s)	5.1	5.1	5.1					5.7	5.7		5.7	5.7
Lane Util. Factor	0.95	0.91	0.95					0.95	0.88		0.91	0.88
Frpb, ped/bikes	1.00	1.00	1.00					1.00	0.96		1.00	0.96
Flpb, ped/bikes	1.00	1.00	1.00					1.00	1.00		1.00	1.00
Frt	1.00	0.99	0.85					1.00	0.85		1.00	0.85
Flt Protected	0.95	0.96	1.00					1.00	1.00		1.00	1.00
Satd. Flow (prot)	1559	1485	1395					3282	2489		4715	2488
Flt Permitted	0.95	0.96	1.00					1.00	1.00		1.00	1.00
Satd. Flow (perm)	1559	1485	1395					3282	2489		4715	2488
Peak-hour factor, PHF	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj. Flow (vph)	450	0	190	0	0	0	0	1920	1560	0	1300	1560
RTOR Reduction (vph)	0	32	62	0	0	0	0	0	501	0	0	501
Lane Group Flow (vph)	234	203	109	0	0	0	0	1920	1059	0	1300	1059
Confl. Peds. (#/hr)									10			10
Confl. Bikes (#/hr)												1
Heavy Vehicles (%)	10%	10%	10%	10%	10%	10%	10%	10%	10%	10%	10%	10%
Turn Type	Split	NA	Perm					NA	Perm		NA	Perm
Protected Phases	4	4						2			6	
Permitted Phases			4						2			6
Actuated Green, G (s)	13.3	13.3	13.3					50.9	50.9		50.9	50.9
Effective Green, g (s)	13.3	13.3	13.3					50.9	50.9		50.9	50.9
Actuated g/C Ratio	0.18	0.18	0.18					0.68	0.68		0.68	0.68
Clearance Time (s)	5.1	5.1	5.1					5.7	5.7		5.7	5.7
Vehicle Extension (s)	1.3	1.3	1.3					4.0	4.0		4.0	4.0
Lane Grp Cap (vph)	276	263	247					2227	1689		3199	1688
v/s Ratio Prot	c0.15	0.14						c0.59			0.28	
v/s Ratio Perm			0.08						0.43			0.43
v/c Ratio	0.85	0.77	0.44					0.86	0.63		0.41	0.63
Uniform Delay, d1	29.9	29.4	27.5					9.3	6.7		5.3	6.7
Progression Factor	1.00	1.00	1.00					1.00	1.00		0.74	52.92
Incremental Delay, d2	20.0	12.0	0.5					4.7	1.8		0.0	0.2
Delay (s)	49.9	41.4	28.0					14.0	8.5		4.0	356.9
Level of Service	D	D	C					B	A		A	F
Approach Delay (s)		40.9			0.0			11.6			196.5	
Approach LOS		D			A			B			F	

Intersection Summary					
HCM 2000 Control Delay	90.0	HCM 2000 Level of Service	F		
HCM 2000 Volume to Capacity ratio	0.86				
Actuated Cycle Length (s)	75.0	Sum of lost time (s)	10.8		
Intersection Capacity Utilization	79.0%	ICU Level of Service	D		
Analysis Period (min)	15				

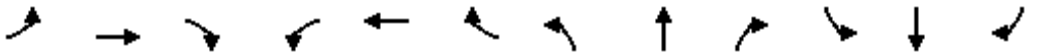
c Critical Lane Group



Movement	WBL	WBR	NBT	NBR	SBL	SBT
Lane Configurations						
Volume (vph)	1200	1740	300	0	0	3320
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900
Total Lost time (s)	5.1	5.1	5.7			5.7
Lane Util. Factor	0.94	0.76	0.91			0.91
Frt	1.00	0.85	1.00			1.00
Flt Protected	0.95	1.00	1.00			1.00
Satd. Flow (prot)	4627	3347	4715			4715
Flt Permitted	0.95	1.00	1.00			1.00
Satd. Flow (perm)	4627	3347	4715			4715
Peak-hour factor, PHF	1.00	1.00	1.00	1.00	1.00	1.00
Adj. Flow (vph)	1200	1740	300	0	0	3320
RTOR Reduction (vph)	0	1059	0	0	0	0
Lane Group Flow (vph)	1200	681	300	0	0	3320
Heavy Vehicles (%)	10%	10%	10%	10%	10%	10%
Turn Type	NA	Perm	NA			NA
Protected Phases	8		2			6
Permitted Phases		8				
Actuated Green, G (s)	31.9	31.9	87.3			87.3
Effective Green, g (s)	31.9	31.9	87.3			87.3
Actuated g/C Ratio	0.25	0.25	0.67			0.67
Clearance Time (s)	5.1	5.1	5.7			5.7
Vehicle Extension (s)	2.3	2.3	4.0			4.0
Lane Grp Cap (vph)	1135	821	3166			3166
v/s Ratio Prot	c0.26		0.06			c0.70
v/s Ratio Perm		0.20				
v/c Ratio	1.06	0.83	0.09			1.05
Uniform Delay, d1	49.0	46.5	7.5			21.4
Progression Factor	1.00	1.00	0.72			1.00
Incremental Delay, d2	43.2	6.7	0.1			30.6
Delay (s)	92.3	53.2	5.5			52.0
Level of Service	F	D	A			D
Approach Delay (s)	69.1		5.5			52.0
Approach LOS	E		A			D

Intersection Summary			
HCM 2000 Control Delay	57.6	HCM 2000 Level of Service	E
HCM 2000 Volume to Capacity ratio	1.05		
Actuated Cycle Length (s)	130.0	Sum of lost time (s)	10.8
Intersection Capacity Utilization	96.0%	ICU Level of Service	F
Analysis Period (min)	15		

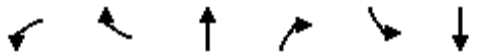
c Critical Lane Group



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Volume (vph)	200	0	600	0	0	0	0	500	330	0	2730	1215
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Total Lost time (s)	5.1	5.1	5.1					5.7	5.7		5.7	5.7
Lane Util. Factor	0.95	0.91	0.95					0.95	0.88		0.91	0.88
Frpb, ped/bikes	1.00	1.00	1.00					1.00	0.95		1.00	0.95
Flpb, ped/bikes	1.00	1.00	1.00					1.00	1.00		1.00	1.00
Frt	1.00	0.86	0.85					1.00	0.85		1.00	0.85
Flt Protected	0.95	1.00	1.00					1.00	1.00		1.00	1.00
Satd. Flow (prot)	1559	1347	1395					3282	2458		4715	2456
Flt Permitted	0.95	1.00	1.00					1.00	1.00		1.00	1.00
Satd. Flow (perm)	1559	1347	1395					3282	2458		4715	2456
Peak-hour factor, PHF	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj. Flow (vph)	200	0	600	0	0	0	0	500	330	0	2730	1215
RTOR Reduction (vph)	0	17	17	0	0	0	0	0	107	0	0	334
Lane Group Flow (vph)	180	297	289	0	0	0	0	500	223	0	2730	881
Confl. Peds. (#/hr)									10			10
Confl. Bikes (#/hr)												1
Heavy Vehicles (%)	10%	10%	10%	10%	10%	10%	10%	10%	10%	10%	10%	10%
Turn Type	Split	NA	Perm					NA	Perm		NA	Perm
Protected Phases	4	4						2			6	
Permitted Phases			4						2			6
Actuated Green, G (s)	31.3	31.3	31.3					87.9	87.9		87.9	87.9
Effective Green, g (s)	31.3	31.3	31.3					87.9	87.9		87.9	87.9
Actuated g/C Ratio	0.24	0.24	0.24					0.68	0.68		0.68	0.68
Clearance Time (s)	5.1	5.1	5.1					5.7	5.7		5.7	5.7
Vehicle Extension (s)	1.3	1.3	1.3					4.0	4.0		4.0	4.0
Lane Grp Cap (vph)	375	324	335					2219	1661		3188	1660
v/s Ratio Prot	0.12	c0.22						0.15			c0.58	
v/s Ratio Perm			0.21						0.09			0.36
v/c Ratio	0.48	0.92	0.86					0.23	0.13		0.86	0.53
Uniform Delay, d1	42.4	48.1	47.3					8.0	7.5		16.2	10.6
Progression Factor	1.00	1.00	1.00					1.00	1.00		0.80	0.89
Incremental Delay, d2	0.4	28.7	19.1					0.2	0.2		0.3	0.1
Delay (s)	42.7	76.7	66.4					8.3	7.7		13.3	9.6
Level of Service	D	E	E					A	A		B	A
Approach Delay (s)		65.1			0.0			8.0			12.1	
Approach LOS		E			A			A			B	

Intersection Summary			
HCM 2000 Control Delay	19.1	HCM 2000 Level of Service	B
HCM 2000 Volume to Capacity ratio	0.87		
Actuated Cycle Length (s)	130.0	Sum of lost time (s)	10.8
Intersection Capacity Utilization	86.5%	ICU Level of Service	E
Analysis Period (min)	15		

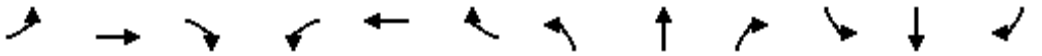
c Critical Lane Group



Movement	WBL	WBR	NBT	NBR	SBL	SBT
Lane Configurations						
Volume (vph)	520	2780	1200	0	0	2510
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900
Total Lost time (s)	5.1	5.1	5.7			5.7
Lane Util. Factor	0.94	0.76	0.91			0.91
Frt	1.00	0.85	1.00			1.00
Flt Protected	0.95	1.00	1.00			1.00
Satd. Flow (prot)	4627	3347	4715			4715
Flt Permitted	0.95	1.00	1.00			1.00
Satd. Flow (perm)	4627	3347	4715			4715
Peak-hour factor, PHF	1.00	1.00	1.00	1.00	1.00	1.00
Adj. Flow (vph)	520	2780	1200	0	0	2510
RTOR Reduction (vph)	0	15	0	0	0	0
Lane Group Flow (vph)	520	2765	1200	0	0	2510
Heavy Vehicles (%)	10%	10%	10%	10%	10%	10%
Turn Type	NA	Perm	NA			NA
Protected Phases	8		2			6
Permitted Phases		8				
Actuated Green, G (s)	81.9	81.9	57.3			57.3
Effective Green, g (s)	81.9	81.9	57.3			57.3
Actuated g/C Ratio	0.55	0.55	0.38			0.38
Clearance Time (s)	5.1	5.1	5.7			5.7
Vehicle Extension (s)	2.3	2.3	4.0			4.0
Lane Grp Cap (vph)	2526	1827	1801			1801
v/s Ratio Prot	0.11		0.25			c0.53
v/s Ratio Perm		c0.83				
v/c Ratio	0.21	1.51	0.67			1.39
Uniform Delay, d1	17.4	34.0	38.4			46.4
Progression Factor	1.00	1.00	0.96			1.00
Incremental Delay, d2	0.0	233.8	1.0			180.6
Delay (s)	17.4	267.8	38.0			227.0
Level of Service	B	F	D			F
Approach Delay (s)	228.4		38.0			227.0
Approach LOS	F		D			F

Intersection Summary			
HCM 2000 Control Delay	195.3	HCM 2000 Level of Service	F
HCM 2000 Volume to Capacity ratio	1.46		
Actuated Cycle Length (s)	150.0	Sum of lost time (s)	10.8
Intersection Capacity Utilization	97.0%	ICU Level of Service	F
Analysis Period (min)	15		

c Critical Lane Group



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Volume (vph)	450	0	190	0	0	0	0	1920	1560	0	1300	1560
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Total Lost time (s)	5.1	5.1	5.1					5.7	5.7		5.7	5.7
Lane Util. Factor	0.95	0.91	0.95					0.95	0.88		0.91	0.88
Frpb, ped/bikes	1.00	1.00	1.00					1.00	0.96		1.00	0.96
Flpb, ped/bikes	1.00	1.00	1.00					1.00	1.00		1.00	1.00
Frt	1.00	0.99	0.85					1.00	0.85		1.00	0.85
Flt Protected	0.95	0.96	1.00					1.00	1.00		1.00	1.00
Satd. Flow (prot)	1559	1485	1395					3282	2489		4715	2488
Flt Permitted	0.95	0.96	1.00					1.00	1.00		1.00	1.00
Satd. Flow (perm)	1559	1485	1395					3282	2489		4715	2488
Peak-hour factor, PHF	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj. Flow (vph)	450	0	190	0	0	0	0	1920	1560	0	1300	1560
RTOR Reduction (vph)	0	32	62	0	0	0	0	0	501	0	0	501
Lane Group Flow (vph)	234	203	109	0	0	0	0	1920	1059	0	1300	1059
Confl. Peds. (#/hr)									10			10
Confl. Bikes (#/hr)												1
Heavy Vehicles (%)	10%	10%	10%	10%	10%	10%	10%	10%	10%	10%	10%	10%
Turn Type	Split	NA	Perm					NA	Perm		NA	Perm
Protected Phases	4	4						2			6	
Permitted Phases			4						2			6
Actuated Green, G (s)	13.3	13.3	13.3					50.9	50.9		50.9	50.9
Effective Green, g (s)	13.3	13.3	13.3					50.9	50.9		50.9	50.9
Actuated g/C Ratio	0.18	0.18	0.18					0.68	0.68		0.68	0.68
Clearance Time (s)	5.1	5.1	5.1					5.7	5.7		5.7	5.7
Vehicle Extension (s)	1.3	1.3	1.3					4.0	4.0		4.0	4.0
Lane Grp Cap (vph)	276	263	247					2227	1689		3199	1688
v/s Ratio Prot	c0.15	0.14						c0.59			0.28	
v/s Ratio Perm			0.08						0.43			0.43
v/c Ratio	0.85	0.77	0.44					0.86	0.63		0.41	0.63
Uniform Delay, d1	29.9	29.4	27.5					9.3	6.7		5.3	6.7
Progression Factor	1.00	1.00	1.00					1.00	1.00		0.77	53.65
Incremental Delay, d2	20.0	12.0	0.5					4.7	1.8		0.0	0.2
Delay (s)	49.9	41.4	28.0					14.0	8.5		4.2	361.9
Level of Service	D	D	C					B	A		A	F
Approach Delay (s)		40.9			0.0			11.6			199.3	
Approach LOS		D			A			B			F	

Intersection Summary					
HCM 2000 Control Delay	91.2	HCM 2000 Level of Service		F	
HCM 2000 Volume to Capacity ratio	0.86				
Actuated Cycle Length (s)	75.0	Sum of lost time (s)		10.8	
Intersection Capacity Utilization	79.0%	ICU Level of Service		D	
Analysis Period (min)	15				

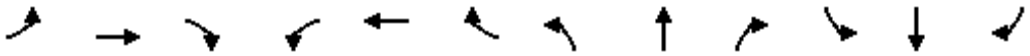
c Critical Lane Group



Movement	WBL	WBR	NBT	NBR	SBL	SBT
Lane Configurations						
Volume (vph)	1200	1740	300	0	0	3320
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900
Total Lost time (s)	4.0	4.0	4.0			4.0
Lane Util. Factor	0.94	0.88	0.95			0.91
Frt	1.00	0.85	1.00			1.00
Flt Protected	0.95	1.00	1.00			1.00
Satd. Flow (prot)	4627	2584	3282			4715
Flt Permitted	0.95	1.00	1.00			1.00
Satd. Flow (perm)	4627	2584	3282			4715
Peak-hour factor, PHF	1.00	1.00	1.00	1.00	1.00	1.00
Adj. Flow (vph)	1200	1740	300	0	0	3320
RTOR Reduction (vph)	0	0	0	0	0	0
Lane Group Flow (vph)	1200	1740	300	0	0	3320
Heavy Vehicles (%)	10%	10%	10%	10%	10%	10%
Turn Type	NA	Free	NA			NA
Protected Phases	8		2			6
Permitted Phases		Free				
Actuated Green, G (s)	30.0	120.0	82.0			82.0
Effective Green, g (s)	30.0	120.0	82.0			82.0
Actuated g/C Ratio	0.25	1.00	0.68			0.68
Clearance Time (s)	4.0		4.0			4.0
Vehicle Extension (s)	3.0		3.0			3.0
Lane Grp Cap (vph)	1156	2584	2242			3221
v/s Ratio Prot	c0.26		0.09			c0.70
v/s Ratio Perm		0.67				
v/c Ratio	1.04	0.67	0.13			1.03
Uniform Delay, d1	45.0	0.0	6.6			19.0
Progression Factor	1.00	1.00	1.00			1.00
Incremental Delay, d2	36.9	1.4	0.0			24.4
Delay (s)	81.9	1.4	6.6			43.4
Level of Service	F	A	A			D
Approach Delay (s)	34.3		6.6			43.4
Approach LOS	C		A			D

Intersection Summary			
HCM 2000 Control Delay	37.6	HCM 2000 Level of Service	D
HCM 2000 Volume to Capacity ratio	1.03		
Actuated Cycle Length (s)	120.0	Sum of lost time (s)	8.0
Intersection Capacity Utilization	93.6%	ICU Level of Service	F
Analysis Period (min)	15		

c Critical Lane Group



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Volume (vph)	200	0	600	0	0	0	0	500	330	0	2730	0
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Total Lost time (s)	4.0	4.0	4.0					4.0	4.0		4.0	
Lane Util. Factor	0.95	0.91	0.95					0.95	0.88		0.91	
Frt	1.00	0.86	0.85					1.00	0.85		1.00	
Flt Protected	0.95	1.00	1.00					1.00	1.00		1.00	
Satd. Flow (prot)	1559	1347	1395					3282	2584		4715	
Flt Permitted	0.95	1.00	1.00					1.00	1.00		1.00	
Satd. Flow (perm)	1559	1347	1395					3282	2584		4715	
Peak-hour factor, PHF	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj. Flow (vph)	200	0	600	0	0	0	0	500	330	0	2730	0
RTOR Reduction (vph)	0	8	8	0	0	0	0	0	0	0	0	0
Lane Group Flow (vph)	180	306	298	0	0	0	0	500	330	0	2730	0
Heavy Vehicles (%)	10%	10%	10%	10%	10%	10%	10%	10%	10%	10%	10%	10%
Turn Type	Prot	NA	Perm					NA	Free		NA	
Protected Phases	7	4						2			6	
Permitted Phases			4						Free			
Actuated Green, G (s)	27.0	27.0	27.0					65.0	100.0		65.0	
Effective Green, g (s)	27.0	27.0	27.0					65.0	100.0		65.0	
Actuated g/C Ratio	0.27	0.27	0.27					0.65	1.00		0.65	
Clearance Time (s)	4.0	4.0	4.0					4.0			4.0	
Vehicle Extension (s)	3.0	3.0	3.0					3.0			3.0	
Lane Grp Cap (vph)	420	363	376					2133	2584		3064	
v/s Ratio Prot	0.12	c0.23						0.15			c0.58	
v/s Ratio Perm			0.21						0.13			
v/c Ratio	0.43	0.84	0.79					0.23	0.13		0.89	
Uniform Delay, d1	30.1	34.5	33.9					7.2	0.0		14.6	
Progression Factor	1.00	1.00	1.00					1.00	1.00		1.00	
Incremental Delay, d2	0.7	16.1	10.9					0.1	0.1		3.7	
Delay (s)	30.8	50.6	44.8					7.3	0.1		18.2	
Level of Service	C	D	D					A	A		B	
Approach Delay (s)		43.9			0.0			4.4			18.2	
Approach LOS		D			A			A			B	

Intersection Summary			
HCM 2000 Control Delay	20.3	HCM 2000 Level of Service	C
HCM 2000 Volume to Capacity ratio	0.88		
Actuated Cycle Length (s)	100.0	Sum of lost time (s)	8.0
Intersection Capacity Utilization	84.2%	ICU Level of Service	E
Analysis Period (min)	15		

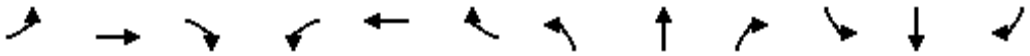
c Critical Lane Group



Movement	WBL	WBR	NBT	NBR	SBL	SBT
Lane Configurations						
Volume (vph)	520	2780	1200	0	0	2510
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900
Total Lost time (s)	4.0	4.0	4.0			4.0
Lane Util. Factor	0.94	0.88	0.95			0.91
Frt	1.00	0.85	1.00			1.00
Flt Protected	0.95	1.00	1.00			1.00
Satd. Flow (prot)	4627	2584	3282			4715
Flt Permitted	0.95	1.00	1.00			1.00
Satd. Flow (perm)	4627	2584	3282			4715
Peak-hour factor, PHF	1.00	1.00	1.00	1.00	1.00	1.00
Adj. Flow (vph)	520	2780	1200	0	0	2510
RTOR Reduction (vph)	0	0	0	0	0	0
Lane Group Flow (vph)	520	2780	1200	0	0	2510
Heavy Vehicles (%)	10%	10%	10%	10%	10%	10%
Turn Type	NA	Free	NA			NA
Protected Phases	8		2			6
Permitted Phases		Free				
Actuated Green, G (s)	8.0	50.2	34.2			34.2
Effective Green, g (s)	8.0	50.2	34.2			34.2
Actuated g/C Ratio	0.16	1.00	0.68			0.68
Clearance Time (s)	4.0		4.0			4.0
Vehicle Extension (s)	3.0		3.0			3.0
Lane Grp Cap (vph)	737	2584	2235			3212
v/s Ratio Prot	0.11		0.37			0.53
v/s Ratio Perm		c1.08				
v/c Ratio	0.71	1.08	0.54			0.78
Uniform Delay, d1	20.0	25.1	4.0			5.5
Progression Factor	1.00	1.00	1.00			1.00
Incremental Delay, d2	3.1	42.1	0.2			1.3
Delay (s)	23.1	67.2	4.3			6.7
Level of Service	C	E	A			A
Approach Delay (s)	60.3		4.3			6.7
Approach LOS	E		A			A

Intersection Summary			
HCM 2000 Control Delay	31.5	HCM 2000 Level of Service	C
HCM 2000 Volume to Capacity ratio	1.28		
Actuated Cycle Length (s)	50.2	Sum of lost time (s)	8.0
Intersection Capacity Utilization	65.1%	ICU Level of Service	C
Analysis Period (min)	15		

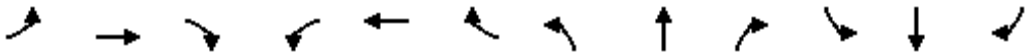
c Critical Lane Group



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Volume (vph)	450	0	190	0	0	0	0	1920	1560	0	1300	0
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Total Lost time (s)	4.0	4.0	4.0					4.0	4.0		4.0	
Lane Util. Factor	0.95	0.91	0.95					0.95	0.88		0.91	
Frt	1.00	0.99	0.85					1.00	0.85		1.00	
Flt Protected	0.95	0.96	1.00					1.00	1.00		1.00	
Satd. Flow (prot)	1559	1485	1395					3282	2584		4715	
Flt Permitted	0.95	0.96	1.00					1.00	1.00		1.00	
Satd. Flow (perm)	1559	1485	1395					3282	2584		4715	
Peak-hour factor, PHF	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj. Flow (vph)	450	0	190	0	0	0	0	1920	1560	0	1300	0
RTOR Reduction (vph)	0	8	70	0	0	0	0	0	0	0	0	0
Lane Group Flow (vph)	234	227	101	0	0	0	0	1920	1560	0	1300	0
Heavy Vehicles (%)	10%	10%	10%	10%	10%	10%	10%	10%	10%	10%	10%	10%
Turn Type	Prot	NA	Perm					NA	Free		NA	
Protected Phases	7	4						2			6	
Permitted Phases			4						Free			
Actuated Green, G (s)	22.3	22.3	22.3					61.0	91.3		61.0	
Effective Green, g (s)	22.3	22.3	22.3					61.0	91.3		61.0	
Actuated g/C Ratio	0.24	0.24	0.24					0.67	1.00		0.67	
Clearance Time (s)	4.0	4.0	4.0					4.0			4.0	
Vehicle Extension (s)	3.0	3.0	3.0					3.0			3.0	
Lane Grp Cap (vph)	380	362	340					2192	2584		3150	
v/s Ratio Prot	0.15	0.15						c0.59			0.28	
v/s Ratio Perm			0.07						c0.60			
v/c Ratio	0.62	0.63	0.30					0.88	0.60		0.41	
Uniform Delay, d1	30.7	30.8	28.1					12.1	0.0		6.9	
Progression Factor	1.00	1.00	1.00					1.00	1.00		1.00	
Incremental Delay, d2	3.0	3.4	0.5					4.3	1.1		0.1	
Delay (s)	33.6	34.1	28.6					16.4	1.1		7.0	
Level of Service	C	C	C					B	A		A	
Approach Delay (s)		32.5			0.0			9.5			7.0	
Approach LOS		C			A			A			A	

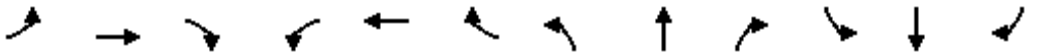
Intersection Summary			
HCM 2000 Control Delay	11.6	HCM 2000 Level of Service	B
HCM 2000 Volume to Capacity ratio	0.83		
Actuated Cycle Length (s)	91.3	Sum of lost time (s)	8.0
Intersection Capacity Utilization	74.1%	ICU Level of Service	D
Analysis Period (min)	15		

c Critical Lane Group



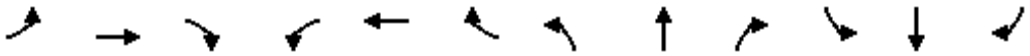
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Volume (vph)	100	500	0	0	750	250	200	0	1050	0	0	0
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Total Lost time (s)	4.0	4.0			4.0	4.0		4.0	4.0			
Lane Util. Factor	1.00	0.95			0.95	1.00		1.00	0.88			
Frpb, ped/bikes	1.00	1.00			1.00	0.97		1.00	1.00			
Flpb, ped/bikes	1.00	1.00			1.00	1.00		1.00	1.00			
Frt	1.00	1.00			1.00	0.85		1.00	0.85			
Flt Protected	0.95	1.00			1.00	1.00		0.95	1.00			
Satd. Flow (prot)	1388	2777			2777	1203		1388	2186			
Flt Permitted	0.95	1.00			1.00	1.00		0.95	1.00			
Satd. Flow (perm)	1388	2777			2777	1203		1388	2186			
Peak-hour factor, PHF	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
Adj. Flow (vph)	105	526	0	0	789	263	211	0	1105	0	0	0
RTOR Reduction (vph)	0	0	0	0	0	178	0	0	268	0	0	0
Lane Group Flow (vph)	105	526	0	0	789	85	0	211	837	0	0	0
Confl. Peds. (#/hr)			5			5						
Heavy Vehicles (%)	30%	30%	30%	30%	30%	30%	30%	30%	30%	30%	30%	30%
Turn Type	Prot					Perm	Split		Perm			
Protected Phases	5	2			6		8	8				
Permitted Phases						6			8			
Actuated Green, G (s)	8.4	36.7			24.3	24.3		30.3	30.3			
Effective Green, g (s)	8.4	36.7			24.3	24.3		30.3	30.3			
Actuated g/C Ratio	0.11	0.49			0.32	0.32		0.40	0.40			
Clearance Time (s)	4.0	4.0			4.0	4.0		4.0	4.0			
Vehicle Extension (s)	3.0	3.0			3.0	3.0		3.0	3.0			
Lane Grp Cap (vph)	155	1359			900	390		561	883			
v/s Ratio Prot	c0.08	0.19			c0.28			0.15				
v/s Ratio Perm						0.07			c0.38			
v/c Ratio	0.68	0.39			0.88	0.22		0.38	0.95			
Uniform Delay, d1	32.0	12.1			23.9	18.4		15.7	21.6			
Progression Factor	1.61	0.27			1.00	1.00		1.00	1.00			
Incremental Delay, d2	8.5	0.6			11.7	1.3		0.4	18.7			
Delay (s)	59.9	3.9			35.7	19.7		16.1	40.3			
Level of Service	E	A			D	B		B	D			
Approach Delay (s)		13.2			31.7			36.4			0.0	
Approach LOS		B			C			D			A	

Intersection Summary			
HCM Average Control Delay	29.9	HCM Level of Service	C
HCM Volume to Capacity ratio	0.88		
Actuated Cycle Length (s)	75.0	Sum of lost time (s)	12.0
Intersection Capacity Utilization	60.1%	ICU Level of Service	B
Analysis Period (min)	15		
c Critical Lane Group			



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Volume (vph)	0	100	100	0	700	350	0	0	0	500	0	100
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Total Lost time (s)		4.0	4.0		4.0	4.0				4.0	4.0	4.0
Lane Util. Factor		1.00	1.00		1.00	0.88				0.95	0.95	1.00
Frpb, ped/bikes		1.00	0.97		1.00	0.97				1.00	1.00	1.00
Flpb, ped/bikes		1.00	1.00		1.00	1.00				1.00	1.00	1.00
Frt		1.00	0.85		1.00	0.85				1.00	1.00	0.85
Flt Protected		1.00	1.00		1.00	1.00				0.95	0.95	1.00
Satd. Flow (prot)		1429	1176		1429	2075				1289	1289	1214
Flt Permitted		1.00	1.00		1.00	1.00				0.95	0.95	1.00
Satd. Flow (perm)		1429	1176		1429	2075				1289	1289	1214
Peak-hour factor, PHF	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
Adj. Flow (vph)	0	105	105	0	737	368	0	0	0	526	0	105
RTOR Reduction (vph)	0	0	37	0	0	129	0	0	0	0	0	80
Lane Group Flow (vph)	0	105	68	0	737	239	0	0	0	263	263	25
Confl. Peds. (#/hr)			5			5						
Heavy Vehicles (%)	33%	33%	33%	33%	33%	33%	33%	33%	33%	33%	33%	33%
Turn Type			Perm			Perm				Split		Perm
Protected Phases		2			6					4	4	
Permitted Phases			2			6						4
Actuated Green, G (s)		48.8	48.8		48.8	48.8				18.2	18.2	18.2
Effective Green, g (s)		48.8	48.8		48.8	48.8				18.2	18.2	18.2
Actuated g/C Ratio		0.65	0.65		0.65	0.65				0.24	0.24	0.24
Clearance Time (s)		4.0	4.0		4.0	4.0				4.0	4.0	4.0
Vehicle Extension (s)		3.0	3.0		3.0	3.0				3.0	3.0	3.0
Lane Grp Cap (vph)		930	765		930	1350				313	313	295
v/s Ratio Prot		0.07			c0.52					c0.20	0.20	
v/s Ratio Perm			0.06			0.12						0.02
v/c Ratio		0.11	0.09		0.79	0.18				0.84	0.84	0.09
Uniform Delay, d1		4.9	4.9		9.4	5.2				27.0	27.0	22.0
Progression Factor		1.00	1.00		0.56	0.12				1.00	1.00	1.00
Incremental Delay, d2		0.2	0.2		5.1	0.2				18.0	18.0	0.1
Delay (s)		5.2	5.1		10.4	0.8				45.0	45.0	22.1
Level of Service		A	A		B	A				D	D	C
Approach Delay (s)		5.1			7.2			0.0			41.2	
Approach LOS		A			A			A			D	

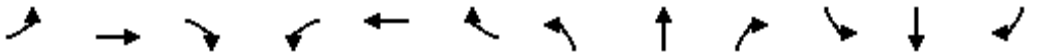
Intersection Summary			
HCM Average Control Delay	18.0	HCM Level of Service	B
HCM Volume to Capacity ratio	0.81		
Actuated Cycle Length (s)	75.0	Sum of lost time (s)	8.0
Intersection Capacity Utilization	57.4%	ICU Level of Service	B
Analysis Period (min)	15		
c Critical Lane Group			



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Volume (vph)	100	600	0	0	1300	450	200	0	500	0	0	0
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Total Lost time (s)	4.0	4.0			4.0	4.0		4.0	4.0			
Lane Util. Factor	1.00	0.95			0.95	1.00		1.00	0.88			
Frpb, ped/bikes	1.00	1.00			1.00	0.97		1.00	1.00			
Flpb, ped/bikes	1.00	1.00			1.00	1.00		1.00	1.00			
Frt	1.00	1.00			1.00	0.85		1.00	0.85			
Flt Protected	0.95	1.00			1.00	1.00		0.95	1.00			
Satd. Flow (prot)	1656	3312			3312	1435		1656	2608			
Flt Permitted	0.95	1.00			1.00	1.00		0.95	1.00			
Satd. Flow (perm)	1656	3312			3312	1435		1656	2608			
Peak-hour factor, PHF	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
Adj. Flow (vph)	105	632	0	0	1368	474	211	0	526	0	0	0
RTOR Reduction (vph)	0	0	0	0	0	232	0	0	263	0	0	0
Lane Group Flow (vph)	105	632	0	0	1368	242	0	211	263	0	0	0
Confl. Peds. (#/hr)			5			5						
Turn Type	Prot					Perm	Split		Perm			
Protected Phases	5	2			6		8	8				
Permitted Phases						6			8			
Actuated Green, G (s)	8.8	51.1			38.3	38.3		15.9	15.9			
Effective Green, g (s)	8.8	51.1			38.3	38.3		15.9	15.9			
Actuated g/C Ratio	0.12	0.68			0.51	0.51		0.21	0.21			
Clearance Time (s)	4.0	4.0			4.0	4.0		4.0	4.0			
Vehicle Extension (s)	3.0	3.0			3.0	3.0		3.0	3.0			
Lane Grp Cap (vph)	194	2257			1691	733		351	553			
v/s Ratio Prot	c0.06	0.19			c0.41			c0.13				
v/s Ratio Perm						0.17			0.10			
v/c Ratio	0.54	0.28			0.81	0.33		0.60	0.48			
Uniform Delay, d1	31.2	4.7			15.3	10.8		26.7	25.9			
Progression Factor	1.26	0.76			1.00	1.00		1.00	1.00			
Incremental Delay, d2	2.9	0.3			4.3	1.2		2.9	0.6			
Delay (s)	42.2	3.9			19.6	12.0		29.6	26.5			
Level of Service	D	A			B	B		C	C			
Approach Delay (s)		9.4			17.6			27.4			0.0	
Approach LOS		A			B			C			A	

Intersection Summary			
HCM Average Control Delay	18.0	HCM Level of Service	B
HCM Volume to Capacity ratio	0.72		
Actuated Cycle Length (s)	75.0	Sum of lost time (s)	12.0
Intersection Capacity Utilization	62.6%	ICU Level of Service	B
Analysis Period (min)	15		

c Critical Lane Group



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Volume (vph)	0	400	400	0	200	1300	0	0	0	300	0	200
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Total Lost time (s)		4.0	4.0		4.0	4.0				4.0	4.0	4.0
Lane Util. Factor		1.00	1.00		1.00	0.88				0.95	0.95	1.00
Frpb, ped/bikes		1.00	0.97		1.00	0.97				1.00	1.00	1.00
Flpb, ped/bikes		1.00	1.00		1.00	1.00				1.00	1.00	1.00
Frt		1.00	0.85		1.00	0.85				1.00	1.00	0.85
Flt Protected		1.00	1.00		1.00	1.00				0.95	0.95	1.00
Satd. Flow (prot)		1743	1435		1743	2532				1573	1573	1482
Flt Permitted		1.00	1.00		1.00	1.00				0.95	0.95	1.00
Satd. Flow (perm)		1743	1435		1743	2532				1573	1573	1482
Peak-hour factor, PHF	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
Adj. Flow (vph)	0	421	421	0	211	1368	0	0	0	316	0	211
RTOR Reduction (vph)	0	0	120	0	0	389	0	0	0	0	0	174
Lane Group Flow (vph)	0	421	301	0	211	979	0	0	0	158	158	37
Confl. Peds. (#/hr)			5			5						
Turn Type			Perm			Perm				Split		Perm
Protected Phases		2			6					4	4	
Permitted Phases			2			6						4
Actuated Green, G (s)		53.7	53.7		53.7	53.7				13.3	13.3	13.3
Effective Green, g (s)		53.7	53.7		53.7	53.7				13.3	13.3	13.3
Actuated g/C Ratio		0.72	0.72		0.72	0.72				0.18	0.18	0.18
Clearance Time (s)		4.0	4.0		4.0	4.0				4.0	4.0	4.0
Vehicle Extension (s)		3.0	3.0		3.0	3.0				3.0	3.0	3.0
Lane Grp Cap (vph)		1248	1027		1248	1813				279	279	263
v/s Ratio Prot		0.24			0.12					c0.10	0.10	
v/s Ratio Perm			0.21			c0.39						0.03
v/c Ratio		0.34	0.29		0.17	0.54				0.57	0.57	0.14
Uniform Delay, d1		4.0	3.8		3.4	4.9				28.2	28.2	26.0
Progression Factor		1.00	1.00		0.19	8.86				1.00	1.00	1.00
Incremental Delay, d2		0.7	0.7		0.2	0.8				2.6	2.6	0.2
Delay (s)		4.7	4.6		0.8	44.5				30.8	30.8	26.3
Level of Service		A	A		A	D				C	C	C
Approach Delay (s)		4.6			38.7			0.0			29.0	
Approach LOS		A			D			A			C	

Intersection Summary			
HCM Average Control Delay	27.2	HCM Level of Service	C
HCM Volume to Capacity ratio	0.55		
Actuated Cycle Length (s)	75.0	Sum of lost time (s)	8.0
Intersection Capacity Utilization	49.3%	ICU Level of Service	A
Analysis Period (min)	15		

c Critical Lane Group

Phone: Fax:
E-mail:

Operational Analysis

Analyst:	DS
Agency or Company:	F&P
Date Performed:	7/11/2013
Analysis Time Period:	AM
Freeway/Direction:	Eastbound I-580
From/To:	Grant Line Rd to I-205
Jurisdiction:	Alameda County
Analysis Year:	Existing
Description:	Cordes Ranch Specific Plan EIR

Flow Inputs and Adjustments

Volume, V	3140	veh/h
Peak-hour factor, PHF	0.88	
Peak 15-min volume, v15	892	v
Trucks and buses	18	%
Recreational vehicles	0	%
Terrain type:	Level	
Grade	0.00	%
Segment length	0.00	mi
Trucks and buses PCE, ET	1.5	
Recreational vehicle PCE, ER	1.2	
Heavy vehicle adjustment, fHV	0.917	
Driver population factor, fp	1.00	
Flow rate, vp	972	pc/h/ln

Speed Inputs and Adjustments

Lane width	12.0	ft
Right-shoulder lateral clearance	6.0	ft
Interchange density	0.50	interchange/mi
Number of lanes, N	4	
Free-flow speed:	Measured	
FFS or BFFS	65.0	mi/h
Lane width adjustment, fLW	0.0	mi/h
Lateral clearance adjustment, fLC	0.0	mi/h
Interchange density adjustment, fID	0.0	mi/h
Number of lanes adjustment, fN	1.5	mi/h
Free-flow speed, FFS	65.0	mi/h
	Urban Freeway	

LOS and Performance Measures

Flow rate, vp	972	pc/h/ln
Free-flow speed, FFS	65.0	mi/h
Average passenger-car speed, S	65.0	mi/h
Number of lanes, N	4	
Density, D	15.0	pc/mi/ln

Level of service, LOS	B

Overall results are not computed when free-flow speed is less than 55 mph.

Phone: Fax:
E-mail:

Operational Analysis

Analyst:	DS
Agency or Company:	F&P
Date Performed:	7/11/2013
Analysis Time Period:	PM
Freeway/Direction:	Eastbound I-580
From/To:	Grant Line Rd to I-205
Jurisdiction:	Alameda County
Analysis Year:	Existing
Description:	Cordes Ranch Specific Plan EIR

Flow Inputs and Adjustments

Volume, V	6960	veh/h
Peak-hour factor, PHF	0.91	
Peak 15-min volume, v15	1912	v
Trucks and buses	18	%
Recreational vehicles	0	%
Terrain type:	Level	
Grade	0.00	%
Segment length	0.00	mi
Trucks and buses PCE, ET	1.5	
Recreational vehicle PCE, ER	1.2	
Heavy vehicle adjustment, fHV	0.917	
Driver population factor, fp	1.00	
Flow rate, vp	2084	pc/h/ln

Speed Inputs and Adjustments

Lane width	12.0	ft
Right-shoulder lateral clearance	6.0	ft
Interchange density	0.50	interchange/mi
Number of lanes, N	4	
Free-flow speed:	Measured	
FFS or BFFS	65.0	mi/h
Lane width adjustment, fLW	0.0	mi/h
Lateral clearance adjustment, fLC	0.0	mi/h
Interchange density adjustment, fID	0.0	mi/h
Number of lanes adjustment, fN	1.5	mi/h
Free-flow speed, FFS	65.0	mi/h
	Urban Freeway	

LOS and Performance Measures

Flow rate, vp	2084	pc/h/ln
Free-flow speed, FFS	65.0	mi/h
Average passenger-car speed, S	59.9	mi/h
Number of lanes, N	4	
Density, D	34.8	pc/mi/ln

Level of service, LOS	D

Overall results are not computed when free-flow speed is less than 55 mph.

Phone: Fax:
E-mail:

Operational Analysis

Analyst:	DS
Agency or Company:	F&P
Date Performed:	7/11/2013
Analysis Time Period:	AM
Freeway/Direction:	Westbound I-580
From/To:	I-205 On
Jurisdiction:	San Joaquin County
Analysis Year:	Existing
Description:	Cordes Ranch Specific Plan EIR

Flow Inputs and Adjustments

Volume, V	6140	veh/h
Peak-hour factor, PHF	0.88	
Peak 15-min volume, v15	1744	v
Trucks and buses	12	%
Recreational vehicles	0	%
Terrain type:	Level	
Grade	0.00	%
Segment length	0.00	mi
Trucks and buses PCE, ET	1.5	
Recreational vehicle PCE, ER	1.2	
Heavy vehicle adjustment, fHV	0.943	
Driver population factor, fp	1.00	
Flow rate, vp	1479	pc/h/ln

Speed Inputs and Adjustments

Lane width	12.0	ft
Right-shoulder lateral clearance	6.0	ft
Interchange density	0.50	interchange/mi
Number of lanes, N	5	
Free-flow speed:	Measured	
FFS or BFFS	65.0	mi/h
Lane width adjustment, fLW	0.0	mi/h
Lateral clearance adjustment, fLC	0.0	mi/h
Interchange density adjustment, fID	0.0	mi/h
Number of lanes adjustment, fN	0.0	mi/h
Free-flow speed, FFS	65.0	mi/h
	Urban Freeway	

LOS and Performance Measures

Flow rate, vp	1479	pc/h/ln
Free-flow speed, FFS	65.0	mi/h
Average passenger-car speed, S	65.0	mi/h
Number of lanes, N	5	
Density, D	22.8	pc/mi/ln

Level of service, LOS	C

Overall results are not computed when free-flow speed is less than 55 mph.

Phone: Fax:
E-mail:

Operational Analysis

Analyst:	DS
Agency or Company:	F&P
Date Performed:	7/11/2013
Analysis Time Period:	PM
Freeway/Direction:	Westbound I-580
From/To:	I-205 On
Jurisdiction:	San Joaquin County
Analysis Year:	Existing
Description:	Cordes Ranch Specific Plan EIR

Flow Inputs and Adjustments

Volume, V	3040	veh/h
Peak-hour factor, PHF	0.91	
Peak 15-min volume, v15	835	v
Trucks and buses	12	%
Recreational vehicles	0	%
Terrain type:	Level	
Grade	0.00	%
Segment length	0.00	mi
Trucks and buses PCE, ET	1.5	
Recreational vehicle PCE, ER	1.2	
Heavy vehicle adjustment, fHV	0.943	
Driver population factor, fp	1.00	
Flow rate, vp	708	pc/h/ln

Speed Inputs and Adjustments

Lane width	12.0	ft
Right-shoulder lateral clearance	6.0	ft
Interchange density	0.50	interchange/mi
Number of lanes, N	5	
Free-flow speed:	Measured	
FFS or BFFS	65.0	mi/h
Lane width adjustment, fLW	0.0	mi/h
Lateral clearance adjustment, fLC	0.0	mi/h
Interchange density adjustment, fID	0.0	mi/h
Number of lanes adjustment, fN	0.0	mi/h
Free-flow speed, FFS	65.0	mi/h
	Urban Freeway	

LOS and Performance Measures

Flow rate, vp	708	pc/h/ln
Free-flow speed, FFS	65.0	mi/h
Average passenger-car speed, S	65.0	mi/h
Number of lanes, N	5	
Density, D	10.9	pc/mi/ln

Level of service, LOS	A

Overall results are not computed when free-flow speed is less than 55 mph.

Phone: Fax:
E-mail:

Operational Analysis

Analyst:	DS
Agency or Company:	F&P
Date Performed:	7/11/2013
Analysis Time Period:	AM
Freeway/Direction:	Eastbound I-580
From/To:	Grant Line Rd to I-205
Jurisdiction:	Alameda County
Analysis Year:	Existing Phase I
Description:	Cordes Ranch Specific Plan EIR

Flow Inputs and Adjustments

Volume, V	3500	veh/h
Peak-hour factor, PHF	0.88	
Peak 15-min volume, v15	994	v
Trucks and buses	18	%
Recreational vehicles	0	%
Terrain type:	Level	
Grade	0.00	%
Segment length	0.00	mi
Trucks and buses PCE, ET	1.5	
Recreational vehicle PCE, ER	1.2	
Heavy vehicle adjustment, fHV	0.917	
Driver population factor, fp	1.00	
Flow rate, vp	1084	pc/h/ln

Speed Inputs and Adjustments

Lane width	12.0	ft
Right-shoulder lateral clearance	6.0	ft
Interchange density	0.50	interchange/mi
Number of lanes, N	4	
Free-flow speed:	Measured	
FFS or BFFS	65.0	mi/h
Lane width adjustment, fLW	0.0	mi/h
Lateral clearance adjustment, fLC	0.0	mi/h
Interchange density adjustment, fID	0.0	mi/h
Number of lanes adjustment, fN	1.5	mi/h
Free-flow speed, FFS	65.0	mi/h
	Urban Freeway	

LOS and Performance Measures

Flow rate, vp	1084	pc/h/ln
Free-flow speed, FFS	65.0	mi/h
Average passenger-car speed, S	65.0	mi/h
Number of lanes, N	4	
Density, D	16.7	pc/mi/ln

Level of service, LOS	B

Overall results are not computed when free-flow speed is less than 55 mph.

Phone: Fax:
E-mail:

Operational Analysis

Analyst:	DS
Agency or Company:	F&P
Date Performed:	7/11/2013
Analysis Time Period:	PM
Freeway/Direction:	Eastbound I-580
From/To:	Grant Line Rd to I-205
Jurisdiction:	Alameda County
Analysis Year:	Existing Phase I
Description:	Cordes Ranch Specific Plan EIR

Flow Inputs and Adjustments

Volume, V	7120	veh/h
Peak-hour factor, PHF	0.91	
Peak 15-min volume, v15	1956	v
Trucks and buses	18	%
Recreational vehicles	0	%
Terrain type:	Level	
Grade	0.00	%
Segment length	0.00	mi
Trucks and buses PCE, ET	1.5	
Recreational vehicle PCE, ER	1.2	
Heavy vehicle adjustment, fHV	0.917	
Driver population factor, fp	1.00	
Flow rate, vp	2132	pc/h/ln

Speed Inputs and Adjustments

Lane width	12.0	ft
Right-shoulder lateral clearance	6.0	ft
Interchange density	0.50	interchange/mi
Number of lanes, N	4	
Free-flow speed:	Measured	
FFS or BFFS	65.0	mi/h
Lane width adjustment, fLW	0.0	mi/h
Lateral clearance adjustment, fLC	0.0	mi/h
Interchange density adjustment, fID	0.0	mi/h
Number of lanes adjustment, fN	1.5	mi/h
Free-flow speed, FFS	65.0	mi/h
	Urban Freeway	

LOS and Performance Measures

Flow rate, vp	2132	pc/h/ln
Free-flow speed, FFS	65.0	mi/h
Average passenger-car speed, S	58.8	mi/h
Number of lanes, N	4	
Density, D	36.3	pc/mi/ln

Level of service, LOS	E

Overall results are not computed when free-flow speed is less than 55 mph.

Phone: Fax:
E-mail:

Operational Analysis

Analyst:	DS
Agency or Company:	F&P
Date Performed:	7/11/2013
Analysis Time Period:	AM
Freeway/Direction:	Westbound I-580
From/To:	I-205 On
Jurisdiction:	Alameda County
Analysis Year:	Existing Phase I
Description:	Cordes Ranch Specific Plan EIR

Flow Inputs and Adjustments

Volume, V	6230	veh/h
Peak-hour factor, PHF	0.88	
Peak 15-min volume, v15	1770	v
Trucks and buses	12	%
Recreational vehicles	0	%
Terrain type:	Level	
Grade	0.00	%
Segment length	0.00	mi
Trucks and buses PCE, ET	1.5	
Recreational vehicle PCE, ER	1.2	
Heavy vehicle adjustment, fHV	0.943	
Driver population factor, fp	1.00	
Flow rate, vp	1501	pc/h/ln

Speed Inputs and Adjustments

Lane width	12.0	ft
Right-shoulder lateral clearance	6.0	ft
Interchange density	0.50	interchange/mi
Number of lanes, N	5	
Free-flow speed:	Measured	
FFS or BFFS	65.0	mi/h
Lane width adjustment, fLW	0.0	mi/h
Lateral clearance adjustment, fLC	0.0	mi/h
Interchange density adjustment, fID	0.0	mi/h
Number of lanes adjustment, fN	0.0	mi/h
Free-flow speed, FFS	65.0	mi/h
	Urban Freeway	

LOS and Performance Measures

Flow rate, vp	1501	pc/h/ln
Free-flow speed, FFS	65.0	mi/h
Average passenger-car speed, S	65.0	mi/h
Number of lanes, N	5	
Density, D	23.1	pc/mi/ln

Level of service, LOS	C

Overall results are not computed when free-flow speed is less than 55 mph.

Phone: Fax:
E-mail:

Operational Analysis

Analyst:	DS
Agency or Company:	F&P
Date Performed:	7/11/2013
Analysis Time Period:	PM
Freeway/Direction:	Westbound I-580
From/To:	I-205 On
Jurisdiction:	Alameda County
Analysis Year:	Existing Phase I
Description:	Cordes Ranch Specific Plan EIR

Flow Inputs and Adjustments

Volume, V	3420	veh/h
Peak-hour factor, PHF	0.91	
Peak 15-min volume, v15	940	v
Trucks and buses	12	%
Recreational vehicles	0	%
Terrain type:	Level	
Grade	0.00	%
Segment length	0.00	mi
Trucks and buses PCE, ET	1.5	
Recreational vehicle PCE, ER	1.2	
Heavy vehicle adjustment, fHV	0.943	
Driver population factor, fp	1.00	
Flow rate, vp	797	pc/h/ln

Speed Inputs and Adjustments

Lane width	12.0	ft
Right-shoulder lateral clearance	6.0	ft
Interchange density	0.50	interchange/mi
Number of lanes, N	5	
Free-flow speed:	Measured	
FFS or BFFS	65.0	mi/h
Lane width adjustment, fLW	0.0	mi/h
Lateral clearance adjustment, fLC	0.0	mi/h
Interchange density adjustment, fID	0.0	mi/h
Number of lanes adjustment, fN	0.0	mi/h
Free-flow speed, FFS	65.0	mi/h
	Urban Freeway	

LOS and Performance Measures

Flow rate, vp	797	pc/h/ln
Free-flow speed, FFS	65.0	mi/h
Average passenger-car speed, S	65.0	mi/h
Number of lanes, N	5	
Density, D	12.3	pc/mi/ln

Level of service, LOS	B

Overall results are not computed when free-flow speed is less than 55 mph.

Phone: Fax:
E-mail:

Operational Analysis

Analyst:	DS
Agency or Company:	F&P
Date Performed:	7/11/2013
Analysis Time Period:	AM
Freeway/Direction:	Eastbound I-580
From/To:	Grant Line Rd to I-205
Jurisdiction:	Alameda County
Analysis Year:	2035 Phase I
Description:	Cordes Ranch Specific Plan EIR

Flow Inputs and Adjustments

Volume, V	4490	veh/h
Peak-hour factor, PHF	0.95	
Peak 15-min volume, v15	1182	v
Trucks and buses	18	%
Recreational vehicles	0	%
Terrain type:	Level	
Grade	0.00	%
Segment length	0.00	mi
Trucks and buses PCE, ET	1.5	
Recreational vehicle PCE, ER	1.2	
Heavy vehicle adjustment, fHV	0.917	
Driver population factor, fp	1.00	
Flow rate, vp	1288	pc/h/ln

Speed Inputs and Adjustments

Lane width	12.0	ft
Right-shoulder lateral clearance	6.0	ft
Interchange density	0.50	interchange/mi
Number of lanes, N	4	
Free-flow speed:	Measured	
FFS or BFFS	65.0	mi/h
Lane width adjustment, fLW	0.0	mi/h
Lateral clearance adjustment, fLC	0.0	mi/h
Interchange density adjustment, fID	0.0	mi/h
Number of lanes adjustment, fN	1.5	mi/h
Free-flow speed, FFS	65.0	mi/h
	Urban Freeway	

LOS and Performance Measures

Flow rate, vp	1288	pc/h/ln
Free-flow speed, FFS	65.0	mi/h
Average passenger-car speed, S	65.0	mi/h
Number of lanes, N	4	
Density, D	19.8	pc/mi/ln

Level of service, LOS	C

Overall results are not computed when free-flow speed is less than 55 mph.

Phone: Fax:
E-mail:

Operational Analysis

Analyst:	DS
Agency or Company:	F&P
Date Performed:	7/11/2013
Analysis Time Period:	PM
Freeway/Direction:	Eastbound I-580
From/To:	Grant Line Rd to I-205
Jurisdiction:	Alameda County
Analysis Year:	2035 Phase I
Description:	Cordes Ranch Specific Plan EIR

Flow Inputs and Adjustments

Volume, V	8150	veh/h
Peak-hour factor, PHF	0.95	
Peak 15-min volume, v15	2145	v
Trucks and buses	18	%
Recreational vehicles	0	%
Terrain type:	Level	
Grade	0.00	%
Segment length	0.00	mi
Trucks and buses PCE, ET	1.5	
Recreational vehicle PCE, ER	1.2	
Heavy vehicle adjustment, fHV	0.917	
Driver population factor, fp	1.00	
Flow rate, vp	2338	pc/h/ln

Speed Inputs and Adjustments

Lane width	12.0	ft
Right-shoulder lateral clearance	6.0	ft
Interchange density	0.50	interchange/mi
Number of lanes, N	4	
Free-flow speed:	Measured	
FFS or BFFS	65.0	mi/h
Lane width adjustment, fLW	0.0	mi/h
Lateral clearance adjustment, fLC	0.0	mi/h
Interchange density adjustment, fID	0.0	mi/h
Number of lanes adjustment, fN	1.5	mi/h
Free-flow speed, FFS	65.0	mi/h
	Urban Freeway	

LOS and Performance Measures

Flow rate, vp	2338	pc/h/ln
Free-flow speed, FFS	65.0	mi/h
Average passenger-car speed, S	52.7	mi/h
Number of lanes, N	4	
Density, D	44.4	pc/mi/ln

Level of service, LOS	E

Overall results are not computed when free-flow speed is less than 55 mph.

Phone: Fax:
E-mail:

Operational Analysis

Analyst:	DS
Agency or Company:	F&P
Date Performed:	7/11/2013
Analysis Time Period:	AM
Freeway/Direction:	Westbound I-580
From/To:	I-205 On
Jurisdiction:	Alameda County
Analysis Year:	2035 Phase I
Description:	Cordes Ranch Specific Plan EIR

Flow Inputs and Adjustments

Volume, V	6825	veh/h
Peak-hour factor, PHF	0.95	
Peak 15-min volume, v15	1796	v
Trucks and buses	12	%
Recreational vehicles	0	%
Terrain type:	Level	
Grade	0.00	%
Segment length	0.00	mi
Trucks and buses PCE, ET	1.5	
Recreational vehicle PCE, ER	1.2	
Heavy vehicle adjustment, fHV	0.943	
Driver population factor, fp	1.00	
Flow rate, vp	1523	pc/h/ln

Speed Inputs and Adjustments

Lane width	12.0	ft
Right-shoulder lateral clearance	6.0	ft
Interchange density	0.50	interchange/mi
Number of lanes, N	5	
Free-flow speed:	Measured	
FFS or BFFS	65.0	mi/h
Lane width adjustment, fLW	0.0	mi/h
Lateral clearance adjustment, fLC	0.0	mi/h
Interchange density adjustment, fID	0.0	mi/h
Number of lanes adjustment, fN	0.0	mi/h
Free-flow speed, FFS	65.0	mi/h
	Urban Freeway	

LOS and Performance Measures

Flow rate, vp	1523	pc/h/ln
Free-flow speed, FFS	65.0	mi/h
Average passenger-car speed, S	65.0	mi/h
Number of lanes, N	5	
Density, D	23.4	pc/mi/ln

Level of service, LOS	C

Overall results are not computed when free-flow speed is less than 55 mph.

Phone: Fax:
E-mail:

Operational Analysis

Analyst:	DS
Agency or Company:	F&P
Date Performed:	7/11/2013
Analysis Time Period:	PM
Freeway/Direction:	Westbound I-580
From/To:	I-205 On
Jurisdiction:	Alameda County
Analysis Year:	2035 Phase I
Description:	Cordes Ranch Specific Plan EIR

Flow Inputs and Adjustments

Volume, V	6145	veh/h
Peak-hour factor, PHF	0.95	
Peak 15-min volume, v15	1617	v
Trucks and buses	12	%
Recreational vehicles	0	%
Terrain type:	Level	
Grade	0.00	%
Segment length	0.00	mi
Trucks and buses PCE, ET	1.5	
Recreational vehicle PCE, ER	1.2	
Heavy vehicle adjustment, fHV	0.943	
Driver population factor, fp	1.00	
Flow rate, vp	1371	pc/h/ln

Speed Inputs and Adjustments

Lane width	12.0	ft
Right-shoulder lateral clearance	6.0	ft
Interchange density	0.50	interchange/mi
Number of lanes, N	5	
Free-flow speed:	Measured	
FFS or BFFS	65.0	mi/h
Lane width adjustment, fLW	0.0	mi/h
Lateral clearance adjustment, fLC	0.0	mi/h
Interchange density adjustment, fID	0.0	mi/h
Number of lanes adjustment, fN	0.0	mi/h
Free-flow speed, FFS	65.0	mi/h
	Urban Freeway	

LOS and Performance Measures

Flow rate, vp	1371	pc/h/ln
Free-flow speed, FFS	65.0	mi/h
Average passenger-car speed, S	65.0	mi/h
Number of lanes, N	5	
Density, D	21.1	pc/mi/ln

Level of service, LOS	C

Overall results are not computed when free-flow speed is less than 55 mph.

Phone: Fax:
E-mail:

Operational Analysis

Analyst:	DS
Agency or Company:	F&P
Date Performed:	7/11/2013
Analysis Time Period:	AM
Freeway/Direction:	Eastbound I-580
From/To:	Grant Line Rd to I-205
Jurisdiction:	Alameda County
Analysis Year:	2035 Build Out
Description:	Cordes Ranch Specific Plan EIR

Flow Inputs and Adjustments

Volume, V	5540	veh/h
Peak-hour factor, PHF	0.95	
Peak 15-min volume, v15	1458	v
Trucks and buses	18	%
Recreational vehicles	0	%
Terrain type:	Level	
Grade	0.00	%
Segment length	0.00	mi
Trucks and buses PCE, ET	1.5	
Recreational vehicle PCE, ER	1.2	
Heavy vehicle adjustment, fHV	0.917	
Driver population factor, fp	1.00	
Flow rate, vp	1271	pc/h/ln

Speed Inputs and Adjustments

Lane width	12.0	ft
Right-shoulder lateral clearance	6.0	ft
Interchange density	0.50	interchange/mi
Number of lanes, N	5	
Free-flow speed:	Measured	
FFS or BFFS	65.0	mi/h
Lane width adjustment, fLW	0.0	mi/h
Lateral clearance adjustment, fLC	0.0	mi/h
Interchange density adjustment, fID	0.0	mi/h
Number of lanes adjustment, fN	0.0	mi/h
Free-flow speed, FFS	65.0	mi/h
	Urban Freeway	

LOS and Performance Measures

Flow rate, vp	1271	pc/h/ln
Free-flow speed, FFS	65.0	mi/h
Average passenger-car speed, S	65.0	mi/h
Number of lanes, N	5	
Density, D	19.6	pc/mi/ln

Level of service, LOS	C

Overall results are not computed when free-flow speed is less than 55 mph.

Phone: Fax:
E-mail:

Operational Analysis

Analyst:	DS
Agency or Company:	F&P
Date Performed:	7/11/2013
Analysis Time Period:	PM
Freeway/Direction:	Eastbound I-580
From/To:	Grant Line Rd to I-205
Jurisdiction:	Alameda County
Analysis Year:	2035 Build Out
Description:	Cordes Ranch Specific Plan EIR

Flow Inputs and Adjustments

Volume, V	8570	veh/h
Peak-hour factor, PHF	0.95	
Peak 15-min volume, v15	2255	v
Trucks and buses	18	%
Recreational vehicles	0	%
Terrain type:	Level	
Grade	0.00	%
Segment length	0.00	mi
Trucks and buses PCE, ET	1.5	
Recreational vehicle PCE, ER	1.2	
Heavy vehicle adjustment, fHV	0.917	
Driver population factor, fp	1.00	
Flow rate, vp	1967	pc/h/ln

Speed Inputs and Adjustments

Lane width	12.0	ft
Right-shoulder lateral clearance	6.0	ft
Interchange density	0.50	interchange/mi
Number of lanes, N	5	
Free-flow speed:	Measured	
FFS or BFFS	65.0	mi/h
Lane width adjustment, fLW	0.0	mi/h
Lateral clearance adjustment, fLC	0.0	mi/h
Interchange density adjustment, fID	0.0	mi/h
Number of lanes adjustment, fN	0.0	mi/h
Free-flow speed, FFS	65.0	mi/h
	Urban Freeway	

LOS and Performance Measures

Flow rate, vp	1967	pc/h/ln
Free-flow speed, FFS	65.0	mi/h
Average passenger-car speed, S	62.0	mi/h
Number of lanes, N	5	
Density, D	31.7	pc/mi/ln

Level of service, LOS	D

Overall results are not computed when free-flow speed is less than 55 mph.

Phone: Fax:
E-mail:

Operational Analysis

Analyst:	DS
Agency or Company:	F&P
Date Performed:	7/11/2013
Analysis Time Period:	AM
Freeway/Direction:	Westbound I-580
From/To:	I-205 On
Jurisdiction:	Alameda County
Analysis Year:	2035 Build Out
Description:	Cordes Ranch Specific Plan EIR

Flow Inputs and Adjustments

Volume, V	7285	veh/h
Peak-hour factor, PHF	0.95	
Peak 15-min volume, v15	1917	v
Trucks and buses	12	%
Recreational vehicles	0	%
Terrain type:	Level	
Grade	0.00	%
Segment length	0.00	mi
Trucks and buses PCE, ET	1.5	
Recreational vehicle PCE, ER	1.2	
Heavy vehicle adjustment, fHV	0.943	
Driver population factor, fp	1.00	
Flow rate, vp	1355	pc/h/ln

Speed Inputs and Adjustments

Lane width	12.0	ft
Right-shoulder lateral clearance	6.0	ft
Interchange density	0.50	interchange/mi
Number of lanes, N	6	
Free-flow speed:	Measured	
FFS or BFFS	65.0	mi/h
Lane width adjustment, fLW	0.0	mi/h
Lateral clearance adjustment, fLC	0.0	mi/h
Interchange density adjustment, fID	0.0	mi/h
Number of lanes adjustment, fN	0.0	mi/h
Free-flow speed, FFS	65.0	mi/h
	Urban Freeway	

LOS and Performance Measures

Flow rate, vp	1355	pc/h/ln
Free-flow speed, FFS	65.0	mi/h
Average passenger-car speed, S	65.0	mi/h
Number of lanes, N	6	
Density, D	20.8	pc/mi/ln

Level of service, LOS	C

Overall results are not computed when free-flow speed is less than 55 mph.

Phone: Fax:
E-mail:

Operational Analysis

Analyst:	DS
Agency or Company:	F&P
Date Performed:	7/11/2013
Analysis Time Period:	PM
Freeway/Direction:	Westbound I-580
From/To:	I-205 On
Jurisdiction:	Alameda County
Analysis Year:	2035 Build Out
Description:	Cordes Ranch Specific Plan EIR

Flow Inputs and Adjustments

Volume, V	7040	veh/h
Peak-hour factor, PHF	0.95	
Peak 15-min volume, v15	1853	v
Trucks and buses	12	%
Recreational vehicles	0	%
Terrain type:	Level	
Grade	0.00	%
Segment length	0.00	mi
Trucks and buses PCE, ET	1.5	
Recreational vehicle PCE, ER	1.2	
Heavy vehicle adjustment, fHV	0.943	
Driver population factor, fp	1.00	
Flow rate, vp	1309	pc/h/ln

Speed Inputs and Adjustments

Lane width	12.0	ft
Right-shoulder lateral clearance	6.0	ft
Interchange density	0.50	interchange/mi
Number of lanes, N	6	
Free-flow speed:	Measured	
FFS or BFFS	65.0	mi/h
Lane width adjustment, fLW	0.0	mi/h
Lateral clearance adjustment, fLC	0.0	mi/h
Interchange density adjustment, fID	0.0	mi/h
Number of lanes adjustment, fN	0.0	mi/h
Free-flow speed, FFS	65.0	mi/h
	Urban Freeway	

LOS and Performance Measures

Flow rate, vp	1309	pc/h/ln
Free-flow speed, FFS	65.0	mi/h
Average passenger-car speed, S	65.0	mi/h
Number of lanes, N	6	
Density, D	20.1	pc/mi/ln

Level of service, LOS	C

Overall results are not computed when free-flow speed is less than 55 mph.