Initial Study

`

1705 Berryessa Road Gas Station Project

File Number: PDC15-027

Prepared By:

CITY OF SAN JOSE
CAPITAL OF SILICON VALLEY

In Consultation With:

DAVID J. POWERS & ASSOCIATES, INC.
ENVIRONMENTAL CONSULTANTS & PLANNERS

February 2017

MITIGATED NEGATIVE DECLARATION

The Director of Planning, Building and Code Enforcement has reviewed the proposed project described below to determine whether it could have a significant effect on the environment as a result of project completion. "Significant effect on the environment" means a substantial or potentially substantial, adverse change in any of the physical conditions within the area affected by the project including land, air, water, minerals, flora, fauna, ambient noise, and objects of historic or aesthetic significance.

NAME OF PROJECT: 1705 Berryessa Gas Station Project

PROJECT FILE NUMBER: PDC15-027

PROJECT DESCRIPTION: A Planned Development Rezoning from the A(PD) Planned Development Zoning District to the CP(PD) Commercial Neighborhood Planned Development Zoning District to allow for the demolition of existing kiosk and car wash buildings, and the construction of an approximately 3,212 square foot new convenience store, a new 2,490 square foot retail/deli building, and a new 1,086 car wash tunnel on the subject 1.04 gross acre site.

PROJECT LOCATION: Northwest corner of Berryessa Road and Lundy Avenue in San José.

ASSESSORS PARCEL NO.: 241-21-068 **COUNCIL DISTRICT:** 4

APPLICANT CONTACT INFORMATION: Nick Goyal; Au Energy, LLC; 41805 Albrae Street; Fremont, CA 94538; (650) 868-7454

FINDING

The Director of Planning, Building & Code Enforcement finds the project described above will not have a significant effect on the environment in that the attached initial study identifies one or more potentially significant effects on the environment for which the project applicant, before public release of this draft Mitigated Negative Declaration, has made or agrees to make project revisions that clearly mitigate the effects to a less than significant level.

MITIGATION MEASURES INCLUDED IN THE PROJECT TO REDUCE POTENTIALLY SIGNIFICANT EFFECTS TO A LESS THAN SIGNIFICANT LEVEL

A. AESTHETICS – The project will not have a significant impact on this resource, therefore no mitigation is required.

B. AGRICULTURE AND FOREST RESOURCES – The project will not have a significant impact on this resource, therefore no mitigation is required.

C. AIR QUALITY.

Impact AIR-1: The use of various diesel-powered vehicles and equipment during project construction could expose adjacent sensitive receptors to substantial toxic air contaminants.

MM AIR-1.1: Diesel-fueled construction equipment used onsite for more than two days shall meet EPA Tier 2 emission standards. The project applicant shall submit, for review and approval, a construction operations plan that includes a list of equipment to be used more than two days during construction, specifications of the equipment to be used during construction and a letter signed by a qualified air quality specialist, verifying that the equipment included in the plan meets the standards set forth in this mitigation measure to the Director of the Department of Planning, Building, and Code Enforcement prior to issuance of a grading or demolition permit. The plan shall demonstrate compliance with the Tier 2 emissions standards.

D. BIOLOGICAL RESOURCES.

Impact BIO-1: Demolition and construction activities, including the removal of trees from the project site, could impact nesting migratory birds.

MM BIO-1.1: If feasible, construction shall be scheduled between September 1 and January 31 (inclusive) to avoid the nesting season. If this is not feasible, pre-construction surveys for nesting raptors and other migratory breeding birds (including yellow warblers) shall be conducted by a qualified ornithologist to identify active nests that may be disturbed during project implementation on-site and within 250 feet of the site. Between February 1 and April 30 (inclusive) pre-construction surveys shall be conducted no more than 14 days prior to initiation of construction activities (including any ground-disturbing activities) or tree removal. Between May 1 and August 31 (inclusive), pre-construction surveys shall be conducted no more than 30 days prior to initiation of these activities. The surveying ornithologist shall inspect all trees in and immediately adjacent (within 250 feet) to the construction area for nests.

If an active nest is found in or close enough to the construction area to be disturbed by these activities, the ornithologist shall, in consultation with the California Department of Fish and Wildlife, designate a construction-free buffer zone (typically 250 feet for raptors and 100 feet for other birds) around the nest, which shall be maintained until after the breeding season has ended and/or a qualified ornithologist has determined that the young birds have fledged.

The project applicant shall submit a report indicating the results of the survey and any designated buffer zones to the satisfaction of the Director of Planning, Building, and Code Enforcement prior to issuance of any grading permits.

E. CULTURAL RESOURCES – The project will not have a significant impact on this resource, therefore no mitigation is required.

F. GEOLOGY AND SOILS – The project will not have a significant impact on this resource, therefore no mitigation is required.

G. GREENHOUSE GAS EMISSIONS – The project will not have a significant impact on this resource, therefore no mitigation is required.

H. HAZARDS AND HAZARDOUS MATERIALS.

Impact HAZ-1: Prior to the issuance of a demolition or grading permit, a site management plan (SMP) shall be prepared and submitted to the Santa Clara County Department of Environmental Health Hazardous Materials Compliance Division to address the impact of disturbance of any residual soil or groundwater contamination. Appropriate soil testing, characterization, storage, transportation, and disposal procedures shall be specified in the SMP. Contaminated soils shall be

disposed of at a licensed facility in accordance with all applicable local, state, and federal regulations. The SMP shall be prepared by a qualified hazardous materials consultant and include the following:

- Management practices for handling contaminated soil or other materials if encountered during construction or cleanup activities and measures to minimize dust generation, stormwater runoff, and tracking of soil off-site.

- Preliminary Remediation Goals for environmental contaminants of concern to evaluate the site conditions following SMP implementation.

- A health and safety plan (HSP) for each contractor working at the site that addresses the safety and health hazards of each site operation phase, including the requirements and procedures for employee protection. The HSP shall outline proper soil handling procedures and health and safety requirements to minimize work and public exposure to hazardous materials during construction.

The SMP shall be reviewed and approved by the County of Santa Clara Department of Environmental Health and submitted to the City of San José Department of Planning, Building, and Code Enforcement prior to issuance of grading or building permits.

I. HYDROLOGY AND WATER QUALITY – The project will not have a significant impact on this resource, therefore no mitigation is required.

J. LAND USE AND PLANNING – The project will not have a significant impact on this resource, therefore no mitigation is required.

K. MINERAL RESOURCES – The project will not have a significant impact on this resource, therefore no mitigation is required.

L. NOISE – The project will not have a significant impact on this resource, therefore no mitigation is required.

M. POPULATION AND HOUSING – The project will not have a significant impact on this resource, therefore no mitigation is required.

N. PUBLIC SERVICES – The project will not have a significant impact on this resource, therefore no mitigation is required.

O. RECREATION – The project will not have a significant impact on this resource, therefore no mitigation is required.

P. TRANSPORTATION / TRAFFIC – The project will not have a significant impact on this resource, therefore no mitigation is required.

Q. UTILITIES AND SERVICE SYSTEMS – The project will not have a significant impact on this resource, therefore no mitigation is required.

R. MANDATORY FINDINGS OF SIGNIFICANCE

The project will not substantially reduce the habitat of a fish or wildlife species, be cumulatively

considerable, or have a substantial adverse effect on human beings, therefore no mitigation is required.

PUBLIC REVIEW PERIOD

Before 5:00 p.m. on **Thursday March 15, 2017** any person may:

1. Review the Draft Mitigated Negative Declaration (MND) as an informational document only; or

2. Submit written comments regarding the information and analysis in the Draft MND. Before the MND is adopted, Planning staff will prepare written responses to any comments, and revise the Draft MND, if necessary, to reflect any concerns raised during the public review period. All written comments will be included as part of the Final MND.

Harry Freitas, Director
Planning, Building and Code Enforcement

2/16/2017
Date

Meenaxi R.P.
Deputy

Circulation period: February 23, 2017 to March 15, 2017

TABLE OF CONTENTS

Section 1.0 Introduction and Purpose 1
Section 2.0 Project Information 2
Section 3.0 Project Description 7
Section 4.0 Environmental Setting, Checklist, and Impact Discussion 14
4.1 Aesthetics 16
4.2 Agricultural and Forestry Resources 23
4.3 Air Quality 25
4.4 Biological Resources 34
4.5 Cultural Resources 40
4.6 Geology and Soils 44
4.7 Greenhouse Gas Emissions 49
4.8 Hazards and Hazardous Materials 58
4.9 Hydrology and Water Quality 65
4.10 Land Use and Planning 72
4.11 Mineral Resources 77
4.12 Noise and Vibration 78
4.13 Population and Housing 87
4.14 Public Services 89
4.15 Recreation 92
4.16 Transportation/Traffic 93
4.17 Utilities and Service Systems 100
4.18 Mandatory Findings of Significance 105
Section 5.0 References 108
Section 6.0 Lead Agency and Consultants 111

TABLE OF CONTENTS

Figures

Figure 2.4-1: Regional Map 4
Figure 2.4-2: Vicinity Map 5
Figure 2.4-3: Aerial Photograph 6
Figure 3.1-1: Site Plan 8
Figure 3.1-2: Building Elevations 9
Figure 3.1-3: Landscape Plan 12
Figure 3.1-4: Proposed Sound Attenuation Walls 13
Figure 4.12-1: Noise Monitoring Locations 81

Tables

Table 3.1-1: Summary of Proposed Redevelopment Square Footage 7
Table 3.1-2: Designated and Existing Uses Surrounding the Project Site 11
Table 4.3-1:Thresholds of Significance Used in Air Quality Analyses 28
Table 4.3-2: Bay Area 2010 Clean Air Plan Applicable Control Measures 29
Table 4.4-1:Tree Removal Summary 38
Table 4.4-2: Tree Replacement Ratios 38
Table 4.7-1: Voluntary Greenhouse Gas Reduction Strategy Criteria 56
Table 4.10-1: Proposed Development Standards Compared to CN Zoning Development Standards . 76
Table 4.12-1: General Plan Noise and Land Use Compatibility Guidelines 79
Table 4.12-2: City of San José Zoning Ordinance Noise Standards 80
Table 4.12-3: Modeled General Plan Project Noise Level Impact 84
Table 4.16-1: Existing LOS at Project Study Intersections 94
Table 4.16-2: Intersection LOS Summary 97
Table 4.16-3: Council Policy 6-10 Analysis 98

Appendices

Appendix A: Arborist Report
Appendix B: Phase I Environmental Site Assessment
Appendix C: Hazardous Materials Business Plan
Appendix D: Noise Assessment
Appendix E: Traffic Impact Analysis

SECTION 1.0 INTRODUCTION AND PURPOSE

1.1 PURPOSE OF THE INITIAL STUDY

The City of San José as the Lead Agency, has prepared this Initial Study for the 1705 Berryessa Gas Station Project in compliance with the California Environmental Quality Act (CEQA), the CEQA Guidelines (California Code of Regulations §15000 et. seq.) and the regulations and policies of the City of San José, California.

The project proposes to remodel an existing gas station by replacing an existing carwash and convenience store and adding a new fast-food restaurant. This Initial Study evaluates the environmental impacts that might reasonably be anticipated to result from implementation of the proposed project.

1.2 PUBLIC REVIEW PERIOD

Publication of this Initial Study marks the beginning of a 30-day public review and comment period. During this period, the Initial Study will be available to local, state, and federal agencies and to interested organizations and individuals for review. Written comments concerning the environmental review contained in this Initial Study during the 30-day public review period should be sent to:

Stefanie Farmer, Environmental Project Manager
City of San José
Department of Planning, Building & Code Enforcement
200 East Santa Clara Street
San José, CA 95113(408) 535-3861
stefanie.farmer@sanJosèca.gov

1.3 CONSIDERATION OF THE INITIAL STUDY AND PROJECT

Following the conclusion of the public review period, the City of San José will consider the adoption of the Initial Study/Mitigated Negative Declaration (MND) for the project at a regularly scheduled meeting. The City shall consider the Initial Study/MND together with any comments received during the public review process. Upon adoption of the MND, the City may proceed with project approval actions.

1.4 NOTICE OF DETERMINATION

If the project is approved, the City of San José will file a Notice of Determination (NOD), which will be available for public inspection and posted within 24 hours of receipt at the County Clerk's Office for 30 days. The filing of the NOD starts a 30-day statute of limitations on court challenges to the approval under CEQA (CEQA Guidelines Section 15075(g)).

SECTION 2.0 PROJECT INFORMATION

2.1 PROJECT TITLE

1705 Berryessa Road Gas Station Project; PDC15-027

2.2 LEAD AGENCY CONTACT

Stefanie Farmer, Environmental Project Manager
City of San José Department of Planning, Building, and Code Enforcement
200 East Santa Clara Street, Tower, 3rd Floor,
San José, CA 95113
stefanie.farmer@sanJosèca.gov
(408) 535-3861

John Tu, Implementation Project Manager
City of San José Department of Planning, Building, and Code Enforcement
200 East Santa Clara Street, Tower, 3rd Floor,
San José, CA 95113
john.tu@sanjoséca.gov
(408)535-6818

2.3 PROJECT APPLICANT

Nick Goyal
Au Energy, LLC
41805 Albrae Street
Fremont, CA 94538

2.4 PROJECT LOCATION

The project is located at 1705 Berryessa Road, which is situated on the southwest corner of Berryessa Road and Lundy Avenue in the City of San José. Regional vicinity and aerial maps are shown on Figure 2.4-1, Figure 2.4-2, and Figure 2.4-3.

2.5 ADDRESS AND ASSESSOR'S PARCEL NUMBER

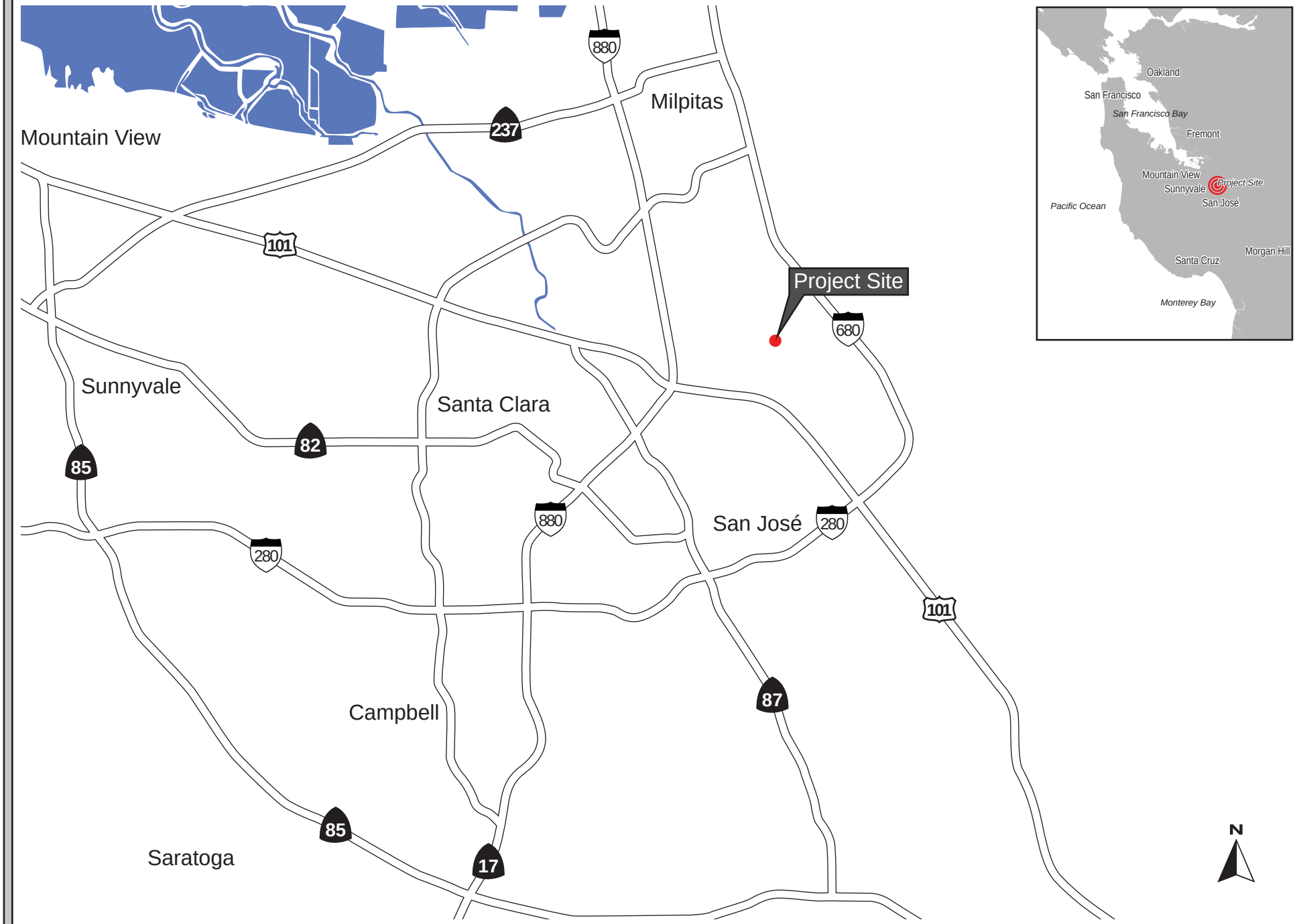
1705 Berryessa Road
San José, CA 95133
Assessor's Parcel Number (APN): 241-21-068

2.6 GENERAL PLAN DESIGNATION AND ZONING DISTRICT

General Plan Designation:	Urban Village
Existing Zoning Designation:	Planned Development - A(PD)
Proposed Zoning Designation:	Commercial Neighborhood Planned Development - CN(PD)

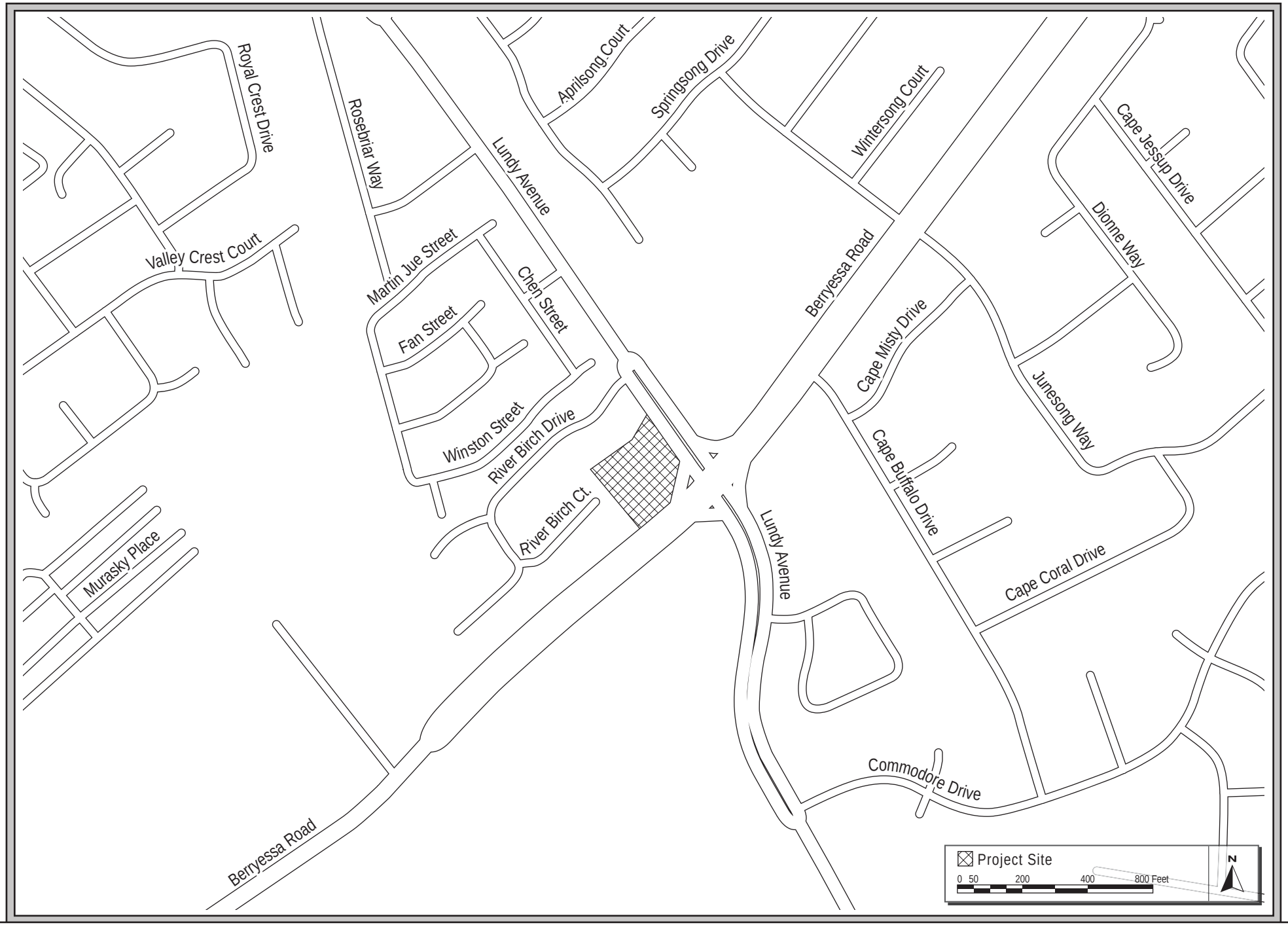
2.7 HABITAT PLAN DESIGNATION

Land Cover Designation:	Urban-Suburban
Development Zone:	Urban Development Covered Equal to or Greater than Two Acres
Fee Zone:	Urban Areas (No Land Cover Fee)
Wildlife Survey Area:	Not Applicable



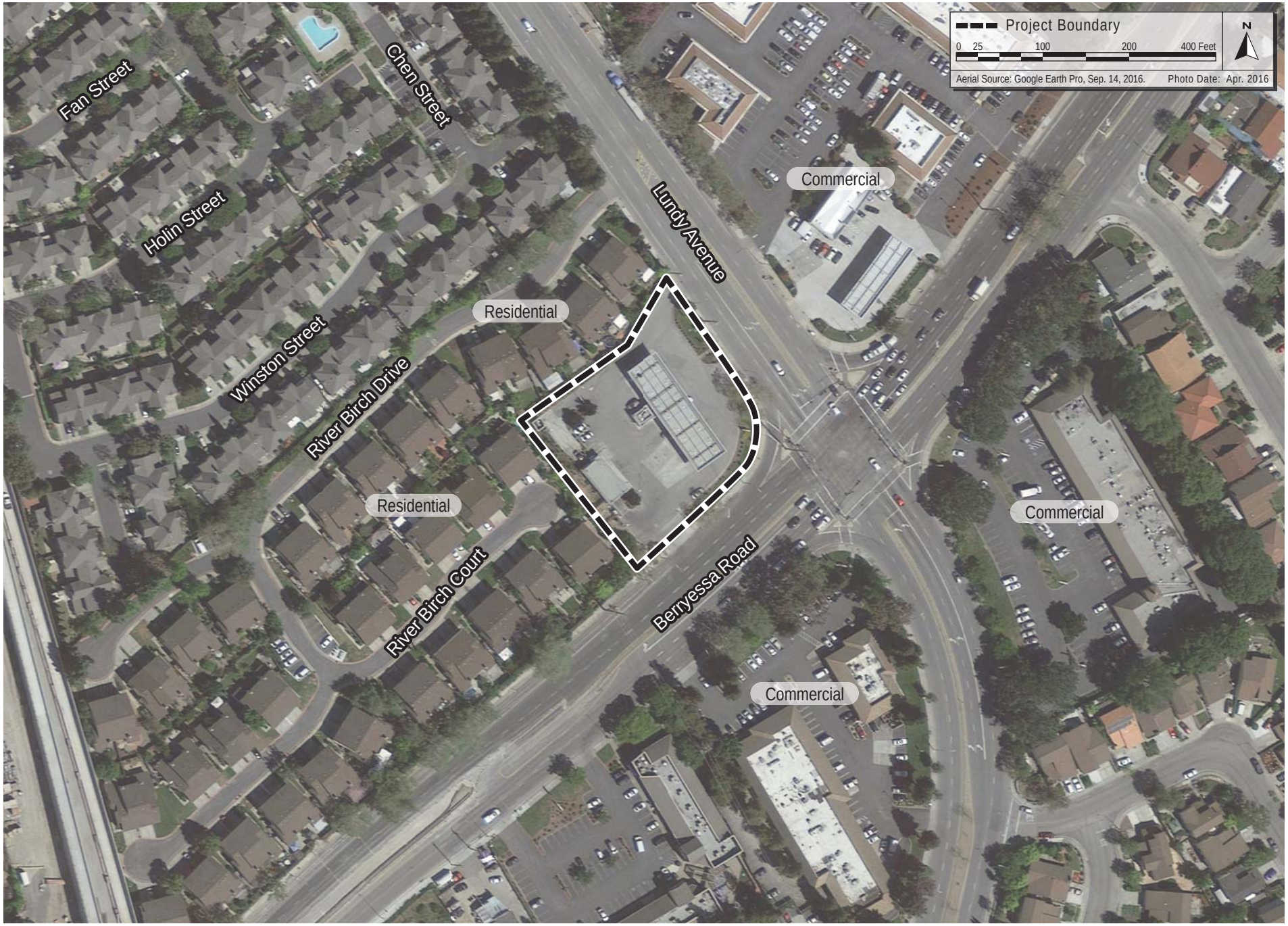
REGIONAL MAP

FIGURE 2.4-1



VICINITY MAP

FIGURE 2.4-2



AERIAL PHOTOGRAPH AND SURROUNDING LAND USES

FIGURE 2.4-3

SECTION 3.0 PROJECT DESCRIPTION

3.1 PROJECT DESCRIPTION

The approximately 1.0-acre project site is currently developed with a gasoline station, including a 544-square-foot convenience store/kiosk, 1,307-square-foot automatic carwash, and an overhead canopy covering 8 fuel dispensers (with 16 fueling positions). The project proposes to replace the existing convenience store and expand it from 544 square feet to 3,212 square feet, replace the existing car wash tunnel, and construct a new 2,490-square-foot retail/deli building. The existing overhead canopy and 8 fuel dispensers would remain. Table 3.1-1 summarizes the square footage changes associated with the proposed redevelopment at the project site.

Table 3.1-1: Summary of Proposed Redevelopment Square Footage

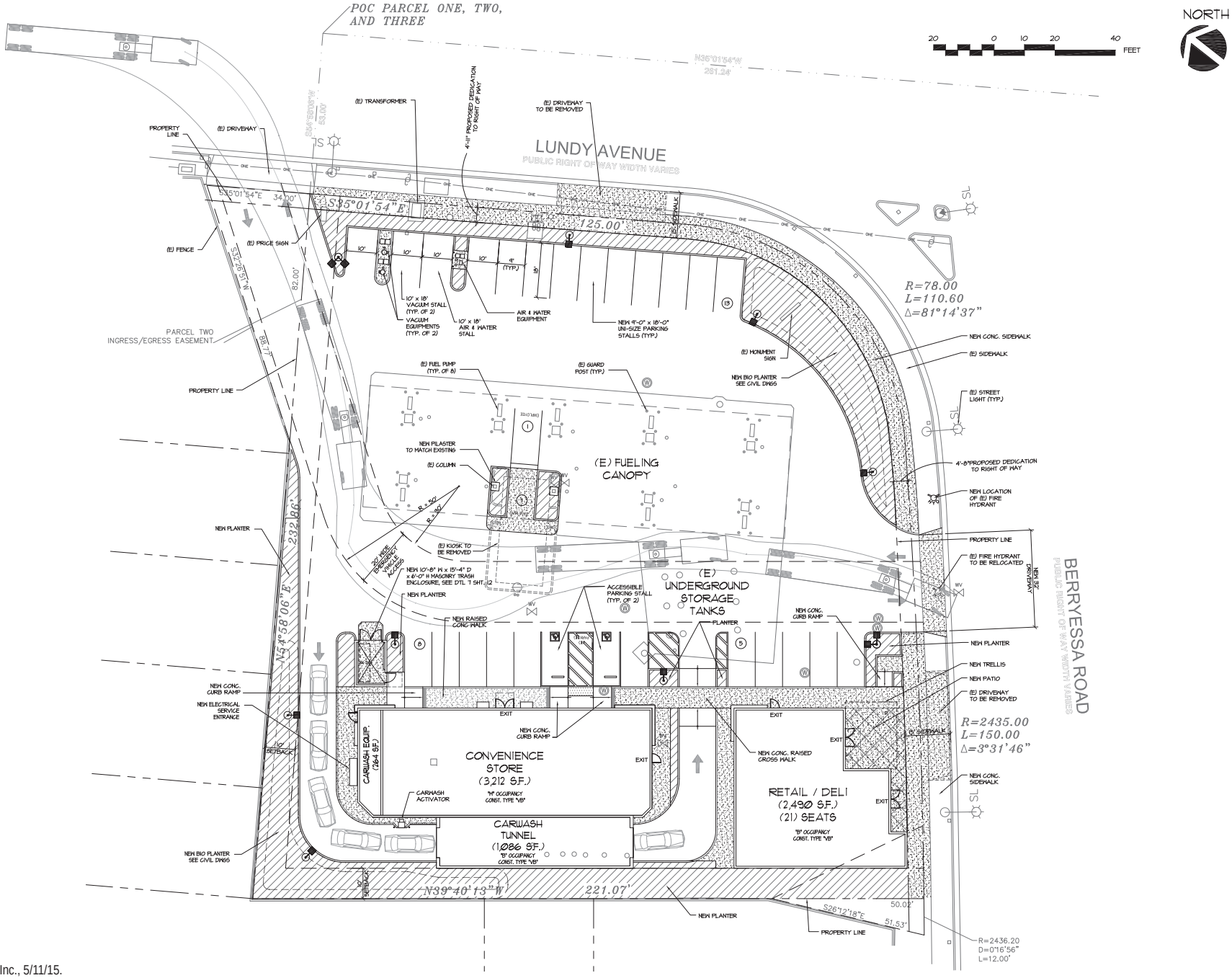
Building Use	Existing	Proposed	Proposed Demolition	Net New
Existing canopy and 8 gasoline dispensers	5,400	0	0	0
Convenience store	544	3,212	544	2,668
Car wash equipment room	0	264	0	264
Car wash tunnel	1,307	1,086	1,307	(221)
Retail/Deli	0	2,490	0	2,490

New lighting, vacuum cleaner, air pumps, and a trash enclosure would also be constructed at the site, as shown in Figure 3.1-1: Site Plan. The heights of the proposed new structures vary from 16 feet to 29 feet, as shown in Figure 3.1-2: Building Elevations. A new monument sign would be placed at the corner of Lundy Avenue and Berryessa Road. Three existing 12,000 gallon underground gasoline storage tanks would remain in place and would continue to be used once the project is complete.

The new car wash would replace the older existing car wash and would be equipped with a Ryko Quiet Kit noise-reduction package[1], which includes installation of an acoustical baffle at the exit of the car wash tunnel. A portion of the existing wall separating the gas station from the adjacent residential uses would be replaced with a new, taller wall to provide additional sound attenuation for those sensitive uses.

The existing gas station, including the associated car wash and convenience store, operate 24 hours per day. The proposed project would also operate 24 hours per day, 365 days per year.

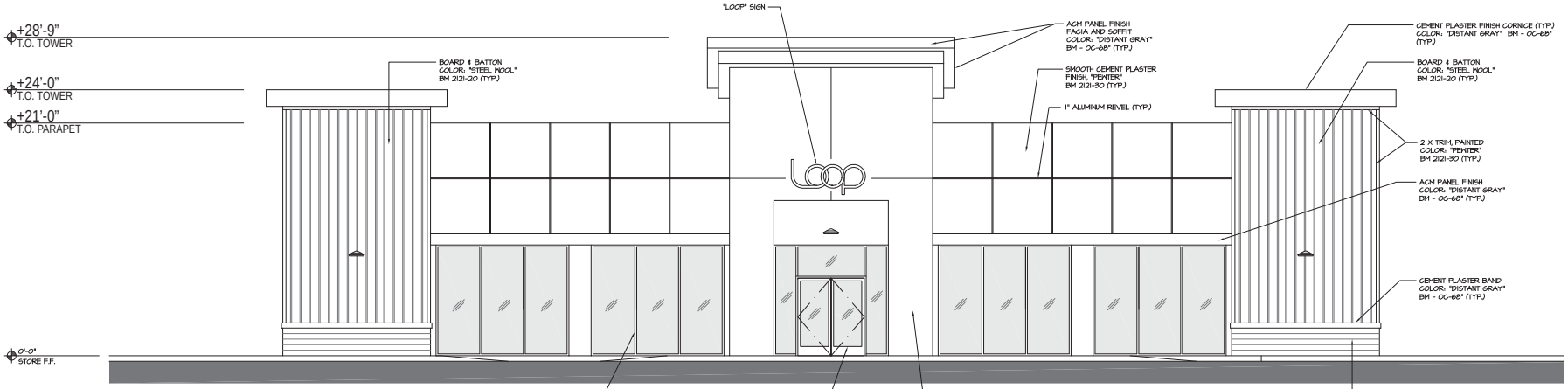
[1] Use of a Ryko 3-Fan SlimLine dryer system with incorporated Ryko Quiet-Kit silencer is proposed.



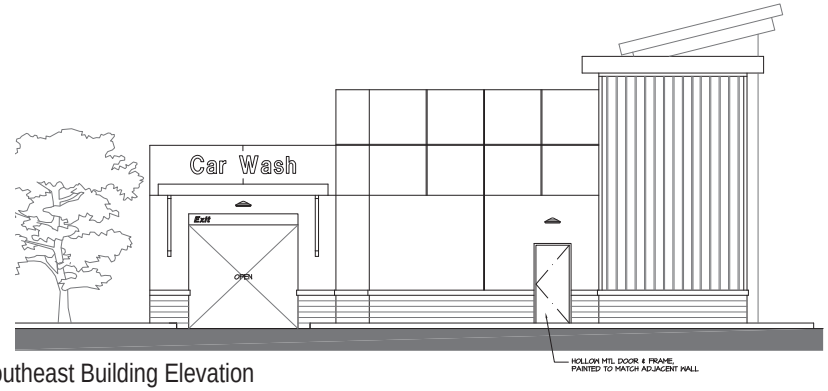
Source: M I Architects, Inc., 5/11/15.

SITE PLAN

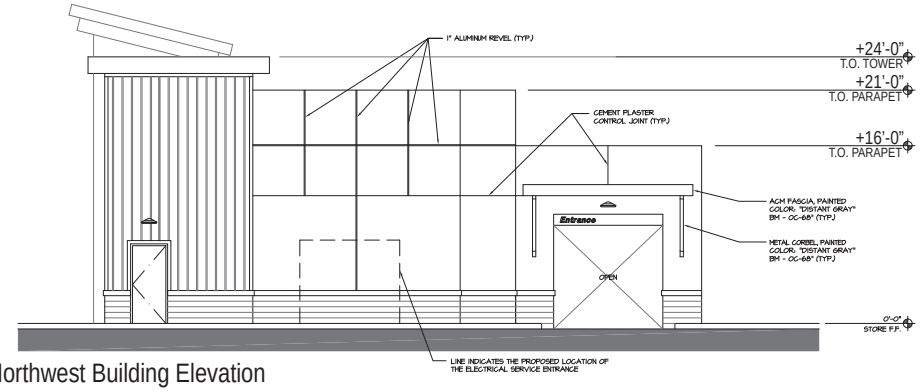
FIGURE 3.1-1



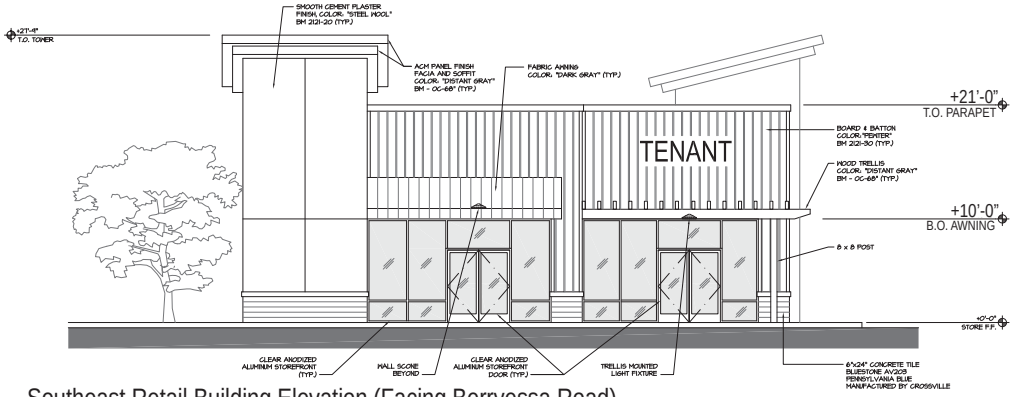
Northeast Building Elevation (Facing Lundy Avenue)



Southeast Building Elevation



Northwest Building Elevation



Southeast Retail Building Elevation (Facing Berryessa Road)

Source: MI Architects, Inc., 5/11/15.

ELEVATIONS

FIGURE 3.1-2

3.1.1 Site Access and Circulation

Vehicular Access

Local access to the site is provided via Berryessa Road and Lundy Avenue. Regional access is provided by Interstate I-680 and I-880. Currently, the project site has 3 vehicle access driveways, including one on Berryessa Road and two on Lundy Avenue. The existing surface parking lot would be restriped to accommodate 33 surface parking spaces.

The proposed car wash tunnel would be located on the southern boundary of the site and would be oriented similar to the current car wash. Vehicles would queue on the western boundary of the site before turning east and entering the carwash. Vehicles would exit the carwash facing north towards Lundy Avenue and could use either the Berryessa Road or Lundy Road driveway for egress.

Pedestrian Access and Right-of-Way Dedication

Pedestrian access to the site is provided by existing sidewalks along both Berryessa Road and Lundy Avenue. A 4-foot, 8-inch right-of-way dedication would be made along the project's Berryessa Road frontage and a 4-foot, 11-inch right-of-way dedication would be made along the Lundy Avenue frontage in order to facilitate construction of a 15-foot-wide, curb-attached sidewalk along the entire project frontage.

3.1.2 Landscaping and Other Improvements

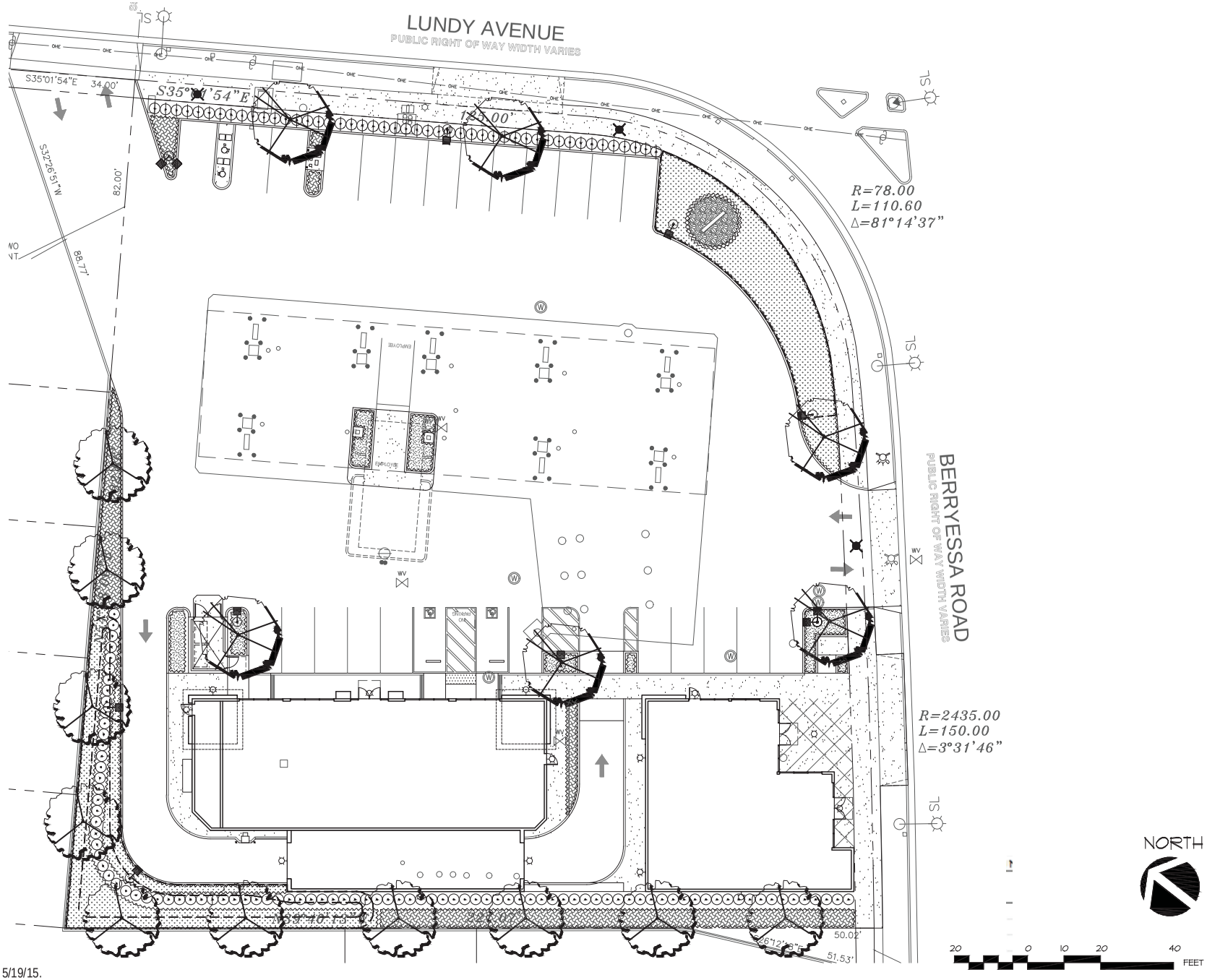
Existing landscaping on the site is located along the project frontage and southwestern property line. The project proposes to install landscaping along the majority of the site's perimeter, as shown in Figure 3.1-3: Landscape Plan. Fifteen trees would be removed from the site and 16 new trees would be planted. Landscape areas along the property lines would be reconfigured and new landscaping would be added. A new sound attenuation wall would be constructed as shown in Figure 3.1-4.

3.1.3 General Plan and Zoning Designations

The project site is General Plan designated Urban Village, and is zoned A(PD). The project proposes a Planned Development Rezoning from the A(PD) Planned Development Zoning District to the CN(PD) Commercial Neighborhood Planned Development Zoning District.

The project site is surrounded by a mix of commercial and residential land uses and zoning districts, as shown in Table 3.1-2.

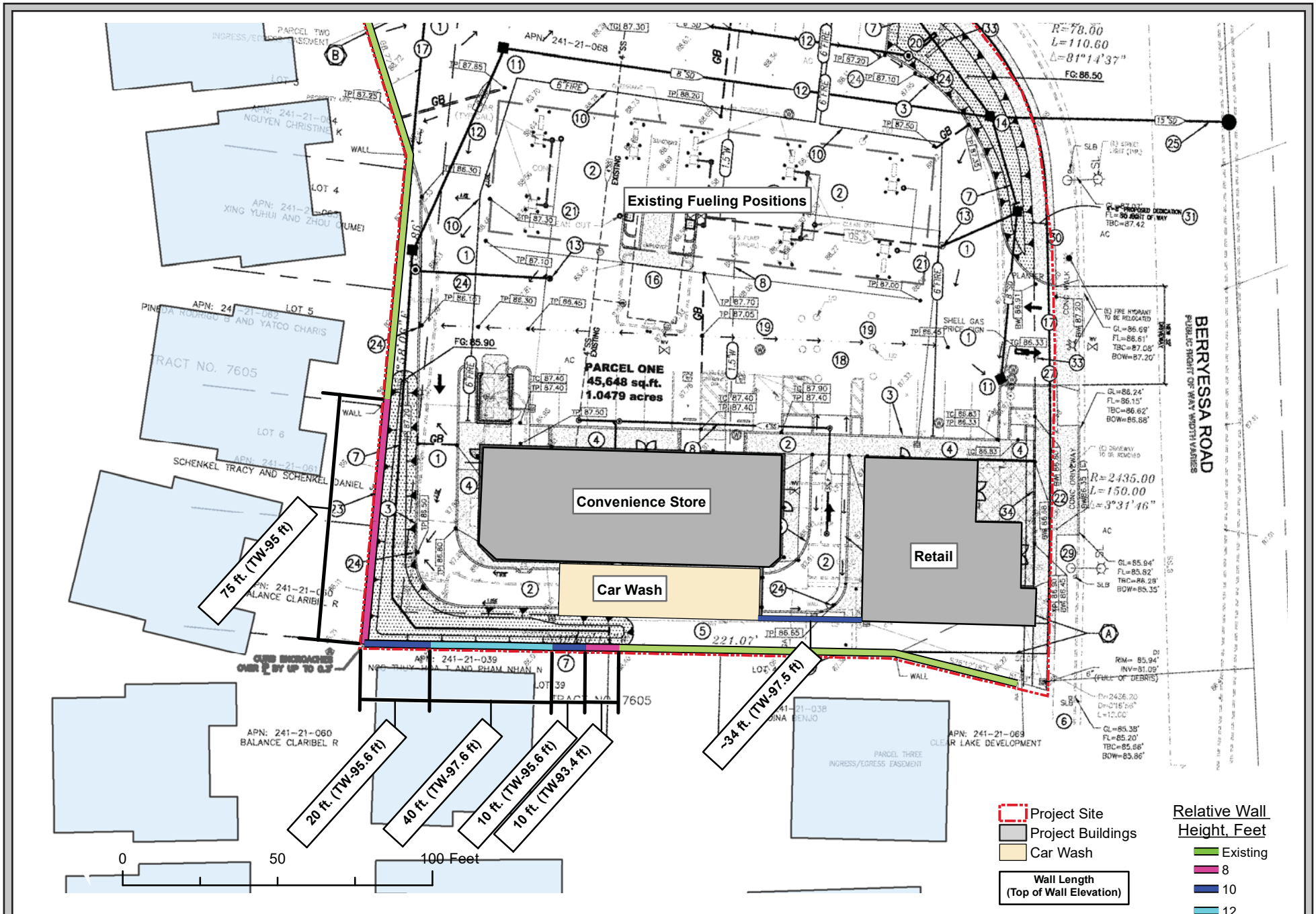
Table 3.1-2: Designated and Existing Uses Surrounding the Project Site			
Direction	**General Plan Land Use Designation**	**Zoning**	**Existing Use**
North	Urban Village	Commercial Neighborhood (CN)	Gas station
South	Residential Neighborhood	Planned Development (PD)	Residential duplexes
East	Urban Village	Commercial Pedestrian (CP)	Various retail, commercial services, and restaurants
West	Residential Neighborhood	Planned Development (PD)	Residential duplexes
Note: For the purposes of the analysis, Berryessa Road was assumed to be a North-South roadway.			



Source: M I Architects, Inc., 5/19/15.

LANDSCAPE PLAN

FIGURE 3.1-3



Source: Extant Acoustical Consulting LLC., 9/9/2016.

PROPOSED SOUND ATTENUATION WALLS

FIGURE 3.1-4

SECTION 4.0 ENVIRONMENTAL SETTING, CHECKLIST, AND IMPACT DISCUSSION

This section presents the discussion of impacts related to the following environmental subjects in their respective subsections:

4.1	Aesthetics	4.10	Land Use and Planning
4.2	Agricultural and Forestry Resources	4.11	Mineral Resources
4.3	Air Quality	4.12	Noise and Vibration
4.4	Biological Resources	4.13	Population and Housing
4.5	Cultural Resources	4.14	Public Services
4.6	Geology and Soils	4.15	Recreation
4.7	Greenhouse Gas Emissions	4.16	Transportation/Traffic
4.8	Hazards and Hazardous Materials	4.17	Utilities and Service Systems
4.9	Hydrology and Water Quality	4.18	Mandatory Findings of Significance

The discussion for each environmental subject includes the following subsections:

- **Environmental Setting –** This subsection 1) provides a brief overview of relevant plans, policies, and regulations that compose the regulatory framework for the project and 2) describes the existing, physical environmental conditions at the project site and in the surrounding area, as relevant.

- **Checklist and Discussion of Impacts –** This subsection includes a checklist for determining potential impacts and discusses the project's environmental impact as it relates to the checklist questions. For significant impacts, feasible mitigation measures are identified. "Mitigation measures" are measures that will minimize, avoid, or eliminate a significant impact (CEQA Guidelines Section 15370). Each impact is numbered using an alphanumeric system that identifies the environmental issue. For example, **Impact HAZ-1** denotes the first potentially significant impact discussed in the Hazards and Hazardous Materials section. Mitigation measures are also numbered to correspond to the impact they address. For example, **MM NOI-2.3** refers to the third mitigation measure for the second impact in the Noise section.

- **Conclusion –** This subsection provides a summary of the project's impacts on the resource.

Important Note to the Reader

The California Supreme Court in a December 2015 opinion [*California Building Industry Association v. Bay Area Air Quality Management District*, 62 Cal. 4th 369 (No. S 213478)] confirmed that CEQA, with several specific exceptions, is concerned with the impacts of a project on the environment, not the effects the existing environment may have on a project. Therefore, the evaluation of the significance of project impacts under CEQA in the following sections focuses on impacts of the project on the environment, including whether a project may exacerbate existing environmental hazards.

The City of San José currently has policies that address existing conditions (e.g., noise) affecting a proposed project, which are also addressed below. This is consistent with one of the primary objectives of CEQA and this document, which is to provide objective information to decision-makers and the public regarding a project as a whole. The CEQA Guidelines and the courts are clear that a CEQA document (e.g., EIR or Initial Study) can include information of interest even if such information is not an "environmental impact" as defined by CEQA.

Therefore, where applicable, in addition to describing the impacts of the project on the environment, this chapter will discuss effects on the project related to City policies pertaining to existing conditions. Such examples include, but are not limited to, locating a project near sources of air emissions that can pose a health risk or in a high-noise environment.

4.1 AESTHETICS

4.1.1 Environmental Setting

4.1.1.1 *Regulatory Framework*

Outdoor Lighting Policy

The City of San José's Outdoor Lighting Policy (City Council Policy 4-3) promotes energy efficient outdoor lighting on private development to provide adequate light for nighttime activities while benefiting the continued enjoyment of the night sky and continuing operation of the Lick Observatory by reducing light pollution and sky glow.

Envision San José 2040 General Plan

The General Plan also includes the following aesthetic policies applicable specifically to development projects in San José:

Policy	Description
CD-1.1	Require the highest standards of architecture and site design, and apply strong design controls for all development projects, both public and private, for the enhancement and development of community character and for the proper transition between areas with different types of land uses.
CD-1.23	Further the Community Forest Goals and Policies in this Plan by requiring new development to plant and maintain trees at appropriate locations on private property and along public street frontages. Use trees to help soften the appearance of the built environment, help provide transitions between land uses, and shade pedestrian and bicycle areas.

4.1.1.2 *Existing Conditions*

The project site is currently developed with a one story gasoline station, which includes an overhead canopy with fueling dispensers, a small station building with convenience store, and a car wash structure. Views of the project site are dominated by the approximately 18-foot-tall canopy structure and food mart. The one-story car wash is located at the rear of the site, along the southern property line. Three mature trees are located along the site's street frontage and additional trees are located along the southern property line. Signage indicating gasoline prices sits on a landscaped island in the northeastern portion of the project site. Refer to the following photographs 1 through 7 for views of the project site and surrounding area.

The site is bounded by Berryessa Road to the east and Lundy Avenue to the north. Residential duplexes surround the project site to the south and west. These two-story structures are composed of light-colored stucco with dark shingle roofs. A one-story gas station and commercial strip mall are located north and east of the site, respectively. The gas station has similar branding and architecture to the project site. The structures at the commercial strip mall to the east are generally tan colored with tile roofs. Mature street trees and private trees can be viewed in the immediate project vicinity, in particular along Berryessa Road.

Photograph 1: The existing fueling bays at the project site viewed from Lundy Avenue, facing south

Photograph 2: The existing Chevron gas station to the north of the project site, facing north east

Photograph 3: Commercial strip mall to the northeast of the project site, facing northwest

Photograph 4: Mature trees on the project site with fueling bays beyond viewed from the Berryessa Road sidewalk, facing northwest

Photograph 5: The project site from Berryessa Road sidewalk, facing west

Photograph 6: Commercial strip-mall development across Berryessa Road from the project site, facing east

Photograph 7: Entrance to the project site from Lundy Avenue, facing south

The project area is generally flat. The site is not located within a scenic view corridor, nor is it visible from a designated or eligible State Scenic Highway. No scenic vistas or scenic resources are located on or adjacent to the project site.

4.1.2 Checklist and Discussion of Impacts

	Potentially Significant Impact	Less Than Significant With Mitigation Incorporated	Less Than Significant Impact	No Impact	Checklist Source(s)
Would the project:					
a) Have a substantial adverse effect on a scenic vista?	☐	☐	☐	☒	1,2
b) Substantially damage scenic resources, including, but not limited to, trees, rock outcroppings, and historic buildings within a state scenic highway?	☐	☐	☐	☒	1,2
c) Substantially degrade the existing visual character or quality of the site and its surroundings?	☐	☐	☒	☐	1,2
d) Create a new source of substantial light or glare which will adversely affect day or nighttime views in the area?	☐	☐	☒	☐	1,2

4.1.2.1 *Scenic Vistas and Other Scenic Resources (Checklist Questions a and b)*

The project site is not located along a State Scenic Highway. There are no designated scenic vistas or resources in the vicinity of the project site; therefore, the project would not have an adverse effect on these resources. **(No Impact)**

4.1.2.2 *Visual Character (Checklist Question c)*

Although the land use on the site would not change, the project would modify the appearance of the site when viewed from the surrounding area, particularly along the project frontages. While the existing canopy structure would continue to dominate views from Lundy Avenue, architectural elements of the proposed new car wash/convenience store and deli building would be up to 29 feet tall and would be visible from surrounding streets and land uses. These architectural elements would appear taller than the adjacent two-story residential duplexes due to grade changes that elevate the gas station site above the immediately adjacent properties, especially with the proposed removal of existing mature trees that currently screen views into the site.

The project proposes to remove existing landscaping and install new trees and shrubs along the majority of the site's perimeter, with a regular pattern of trees to screen public views into the site and from residences to the south and west. Additionally, the new building facades would be stepped, breaking up the façades such that the buildings would not appear to be a solid mass; which would be more in keeping with the varied one and two-story buildings in the immediate vicinity. The proposed buildings would incorporate a grey-toned color palette, which is similar to the brown and tan colors of the structures in the vicinity. As part of the City's discretionary permitting process, the project would be reviewed for consistency with the City's Commercial Design Guidelines and

implementation of adopted General Plan Policies CD 1.1 and CD 1.23, which would lessen potential impacts to the visual character of the area. Therefore, the project would be similar in scale with existing one and two-story development in the project area and would not substantially degrade the existing visual character. **(Less than Significant Impact)**

4.1.2.3 *Light and Glare (Checklist Question d)*

Sources of light and glare are abundant in the urban environment of the immediate project area, and include street lights, parking lot lighting, security lights, vehicular headlights, and reflective building surfaces and windows.

The existing gas station on the site includes lighting beneath the fueling canopies and near the convenience store/kiosk. The project would install new light fixtures as part of the redevelopment of the site. San José City Council Policy 4-3 calls for private development to use energy-efficient outdoor lighting that is fully shielded and not directed skyward. All lighting installed by the project would be full-cutoff lighting, designed in conformance with City Council Policy 4-3. Design and construction of the project in conformance with General Plan Policies and lighting policies would not create a new source of nighttime light that would adversely affect views.

The design of the proposed project would be subject to the City's design review process and would be required to utilize exterior materials that do not result in daytime glare, consistent with General Plan policies and the City's Commercial Design Guidelines. As a result, the project would not significantly impact adjacent uses with daytime glare from building materials. **(Less than Significant Impact)**

4.1.3 Conclusion

The proposed project would have a less than significant visual and aesthetic impact. **(Less than Significant Impact)**

4.2 AGRICULTURAL AND FORESTRY RESOURCES

4.2.1 Environmental Setting

4.2.1.1 *Regulatory Framework and Existing Conditions*

The California Department of Conservation manages the Farmland Mapping and Monitoring Program to assess and record how suitable a particular tract of land is for agricultural purposes. In each county, the land is analyzed for soil and irrigation quality and the highest quality land is designated as *Prime Farmland*. Agricultural lands in California can be protected from development and reserved for agricultural purposes or open-space conservation under the California Land Conservation Act, commonly known as the Williamson Act. Local governments may enter into contracts with land owners to protect certain lands in exchange for a lowered property tax assessment.

The project site is in a residential area in the City of San José and is not subject of a Williamson Act contract. According to the Santa Clara County Farmland Map 2012, the subject site is designated as *Urban and Built-up Land*. *Urban and Built-up Land* is defined as residential land with a density of at least 6 units per 10 acre parcel, as well as land used for industrial and commercial purposes, golf courses, landfills, airports, sewage treatment, and water control structures. No forest land or timberland, as defined in Public Resources Code Section 12220(g), is located near the project site.

4.2.2 Checklist and Discussion of Impacts

	Potentially Significant Impact	Less Than Significant With Mitigation Incorporated	Less Than Significant Impact	No Impact	Checklist Source(s)
Would the project:					
a) Convert Prime Farmland, Unique Farmland, or Farmland of Statewide Importance (Farmland), as shown on the maps prepared pursuant to the Farmland Mapping and Monitoring Program of the California Resources Agency, to non-agricultural use?	☐	☐	☐	☒	1,4
b) Conflict with existing zoning for agricultural use, or a Williamson Act contract?	☐	☐	☐	☒	1,5
c) Conflict with existing zoning for, or cause rezoning of, forest land (as defined in Public Resources Code section 12220(g)), timberland (as defined by Public Resources Code section 4526), or timberland zoned Timberland Production (as defined by Government Code section 51104(g))?	☐	☐	☐	☒	1,2,3
d) Result in a loss of forest land or conversion of forest land to non-forest use?	☐	☐	☐	☒	1

	Potentially Significant Impact	Less Than Significant With Mitigation Incorporated	Less Than Significant Impact	No Impact	Checklist Source(s)
Would the project:					
e) Involve other changes in the existing environment which, due to their location or nature, could result in conversion of Farmland, to non-agricultural use or conversion of forest land to non-forest use?	☐	☐	☐	☒	1

4.2.2.1 *Agriculture and Forestry Resource Impacts (Checklist Questions a through e)*

The proposed project involves the demolition of an existing convenience store/kiosk and car wash facilities and construction of a new car wash, convenience store, and retail/deli structure on the site. The project also includes reconfiguration of existing parking lot, driveway curb cuts, and landscaping on the site. The project site is currently developed as a gas station and the project would not convert Prime Farmland, Unique Farmland, or Farmland of Statewide Importance to non-agricultural uses, would not conflict with existing zoning or Williamson Act contracts for agricultural operations, or facilitate unplanned conversion of farmland elsewhere in San José to non-agricultural uses. The project site is not utilized as forest lands (nor are there forest lands in the vicinity) and would not result in loss of forest lands in San José. For these reasons, the project would not result in a significant impact to agriculture or forestry resources.

4.2.3 <u>Conclusion</u>

The project would not result in any impacts to agricultural or forest lands. **(No Impact)**

4.3 AIR QUALITY

4.3.1 Environmental Setting

4.3.1.1 *Regulatory Framework*

Ambient Air Quality Standards

As required by the Clean Air Act, National Ambient Air Quality Standards (NAAQS) have been established for six major air pollutants: carbon monoxide (CO), nitrogen oxides (NO_X), ozone (O_3), particulate matter (PM_{10} and $PM_{2.5}$), sulfur oxides, and lead. Pursuant to the California Clean Air Act, the state has also established the California Ambient Air Quality Standards, which are generally more stringent than the corresponding federal standards. The Bay Area Air Quality Management District (BAAQMD) is primarily responsible for assuring that the national and state ambient air quality standards are attained and maintained in the San Francisco Bay Air Basin.

Toxic Air Contaminants

Toxic Air Contaminants (TACs) are a broad class of compounds known to cause morbidity or mortality (usually because they cause cancer or serious illness) and include, but are not limited to, criteria air pollutants. TACs are found in ambient air, especially in urban areas, and are caused by industry, agriculture, fuel combustion, and commercial operations (e.g., dry cleaners). TACs are typically found in low concentrations, even near their source (e.g., diesel particulate matter near a highway). Because chronic exposure can result in adverse health effects, TACs are regulated at the regional, state, and federal level. The identification, regulation, and monitoring of TACs is relatively new compared to that for criteria air pollutants that have established ambient air quality standards. TACs are regulated or evaluated on the basis of risk to human health rather than comparison to an ambient air quality standard or emission-based threshold.

Diesel Particulate Matter

Diesel exhaust, in the form of diesel particulate matter (DPM), is the predominant TAC in urban air with the potential to cause cancer. It is estimated to represent about two-thirds of the cancer risk from TACs (based on the statewide average). California has adopted a comprehensive diesel risk reduction program. The U.S. Environmental Protection Agency (EPA) and the CARB adopted low-sulfur diesel fuel standards in 2006 that reduces diesel particulate matter substantially. The CARB recently adopted new regulations requiring the retrofit and/or replacement of construction equipment, on-highway diesel trucks, and diesel buses in order to lower fine particulate matter ($PM_{2.5}$) emissions and reduce statewide cancer risk from diesel exhaust.

Fine Particulate Matter

Particulate matter in excess of state and federal standards represents another challenge for the Bay Area. Elevated concentrations of $PM_{2.5}$ are the result of both region-wide (or cumulative) emissions and localized emissions. High particulate matter levels aggravate respiratory and cardiovascular diseases, reduce lung function, increase mortality (e.g., lung cancer), and result in reduced lung function growth in children.

Sensitive Receptors

BAAQMD defines sensitive receptors as facilities or land uses that include members of the population that are particularly sensitive to the effects of air pollutants, such as children, the elderly, and the chronically ill are likely to be located. These facilities include residences, school playgrounds, child-care centers, retirement homes, convalescent homes, and people with illnesses. Examples include schools, hospitals and residential areas. The nearest sensitive receptors are the two-story residential duplexes located immediately south and west of the project site. The nearest school is Vinci Park Elementary School, which is approximately 0.35 mile north of the project site.

Envision San José 2040 General Plan

The General Plan includes the following air quality-related policies applicable to development projects in San José.

Policy	Description
MS-10.1	Assess projected air emissions from new development in conformance with the BAAQMD CEQA Guidelines and relative to state and federal standards. Identify and implement air emissions reduction measures.
MS 10.2	Consider the cumulative air quality impacts from proposed developments for proposed land use designation changes and new development, consistent with the region's Clean Air Plan and State law.
MS 11.5	Encourage the use of pollution absorbing trees and vegetation in buffer areas between substantial sources of TACs and sensitive land uses.
MS-13.1	Include dust, particulate matter, and construction equipment exhaust control measures as conditions of approval for subdivision maps, site development and planned development permits, grading permits, and demolition permits. At minimum, conditions shall conform to construction mitigation measures recommended in the current BAAQMD CEQA Guidelines for the relevant project size and type.

4.3.1.2 *Existing Conditions*

Air quality and the amount of a given pollutant in the atmosphere are determined by the amount of the pollutant released and the atmosphere's ability to transport and dilute the pollutant. The major determinants of transport and dilution are wind, atmospheric stability, terrain, and for photochemical pollutants, sunshine. The Bay Area typically has moderate ventilation, frequent inversions that restrict vertical dilution, and terrain that restricts horizontal dilution. These factors give the Bay Area a relatively high atmospheric potential for pollution.

4.3.2 Checklist and Discussion of Impacts

	Potentially Significant Impact	Less Than Significant With Mitigation Incorporated	Less Than Significant Impact	No Impact	Checklist Source(s)
Would the project:					
a) Conflict with or obstruct implementation of the applicable air quality plan?	☐	☐	☒	☐	1,6

	Potentially Significant Impact	Less Than Significant With Mitigation Incorporated	Less Than Significant Impact	No Impact	Checklist Source(s)
Would the project:					
b) Violate any air quality standard or contribute substantially to an existing or projected air quality violation?	☐	☐	☒	☐	1,6
c) Result in a cumulatively considerable net increase of any criteria pollutant for which the project region is classified as non-attainment under an applicable federal or state ambient air quality standard including releasing emissions which exceed quantitative thresholds for ozone precursors?	☐	☐	☒	☐	1,6
d) Expose sensitive receptors to substantial pollutant concentrations?	☐	☒	☐	☐	1,6
e) Create objectionable odors affecting a substantial number of people?	☐	☐	☒	☐	1,6

4.3.2.1 *CEQA Thresholds*

As discussed in CEQA Guidelines Section 15064(b), the determination of whether a project may have a significant effect on the environment calls for careful judgment on the part of the lead agency and must be based to the extent possible on scientific and factual data. The City of San José, and other jurisdictions in the San Francisco Bay Area Air Basin, often utilize the thresholds and methodology for assessing air emissions and/or health effects adopted by the BAAQMD based upon the scientific and other factual data prepared by BAAQMD in developing those thresholds.

Thresholds prepared and adopted by BAAQMD in May 2011 were the subject of a lawsuit by the California Building Industry Association[2] and a subsequent appeal by BAAQMD.[3] The Appellate Court decision on August 13, 2013 upheld the threshold adoption process as valid. Subsequently, the Appellate Court's decision was appealed to the California Supreme Court, which granted limited review and issued a ruling in December 2015 striking down a narrow aspect of the BAAQMD thresholds (i.e. the requirement to look at existing environmental impacts on the project), but leaving the bulk of the thresholds intact.. The determination of whether a project may have a significant effect on the environment is subject to the discretion of each lead agency, based upon substantial evidence. The City has carefully considered the thresholds prepared by BAAQMD in May 2011 and regards these thresholds to be based on the best information available for the San Francisco Bay Area Air Basin. Evidence supporting these thresholds has been presented in the following documents:

[2] *California Building Industry Association v. Bay Area Air Quality Management District*, Alameda County Superior Court (Case No. RG10548693).
[3] *California Building Industry Association v. Bay Area Air Quality Management District*, Cal. Ct. App. 1st, Case No. A135335, August 13, 2013. The Appellate Court ruled that the BAAQMD CEQA thresholds were adopted using a valid public review process and were supported by substantial evidence.

- BAAQMD. *CEQA Air Quality Guidelines*. Updated May 2011.
- BAAQMD. *Revised Draft Options and Justification Report California Environmental Quality Act Thresholds of Significance.* October 2009.
- California Air Pollution Control Officers Association. *Health Risk Assessments for Proposed Land Use Projects*. July 2009.
- CalEPA, CARB. *Air Quality and Land Use Handbook: A Community Health Perspective.* 2005.

This analysis is based upon the general methodologies in the most recent BAAQMD CEQA Air Quality Guidelines (dated May 2012) and numeric thresholds identified for the San Francisco Bay Basin in the May 2011 BAAQMD CEQA *Air Quality Guidelines* Table 4.3-1.

Table 4.3-1:Thresholds of Significance Used in Air Quality Analyses

Pollutant	Construction	Operation	
	Average Daily Emissions (pounds)	**Average Daily Emissions (pounds)**	**Maximum Annual Emissions (tons)**
ROG, NO_x	54	54	10
PM_{10}	82 (exhaust)	82	15
$PM_{2.5}$	54 (exhaust)	54	10
Fugitive Dust (PM_{10}/$PM_{2.5}$)	Best Management Practices	None	None
CO	None	9.0 ppm (8-hour average), 20.0 ppm (1-hour average)	
Risk and Hazards for New Sources and Receptors (Project)	Same as operational threshold	• Increased cancer risk of >10.0 in one million • Increased non-cancer risk of > 1.0 Hazard Index (chronic or acute) • Ambient $PM_{2.5}$ increase: > 0.3 μ/m^3 (zone of influence: 1,000-foot radius from property line of source or receptor)	
Risk and Hazards for New Sources and Receptors (Cumulative)	Same as operational threshold	• Increased cancer risk of >100 in one million • Increased non-cancer risk of > 10.0 Hazard Index (chronic or acute) • Ambient $PM_{2.5}$ increase: > 0.8 μ/m^3 (zone of influence: 1,000-foot radius from property line of source or receptor)	
Odors	None	Five confirmed complaints per year averaged over three years	

Note: ROG = reactive organic gases, NOx = nitrogen oxides, PM_{10} = course particulate matter or particulates with an aerodynamic diameter of 10 micrometers (µm) or less, and $PM_{2.5}$ = fine particulate matter or particulates with an aerodynamic diameter of 2.5µm or less.

Sources: BAAQMD. *Thresholds Options and Justification Report* and *BAAQMD CEQA Air Quality Guidelines.* 2009, 2011.

4.3.2.2 *Clean Air Plan Consistency (Checklist Question a)*

Determining consistency with the Bay Area 2010 Clean Air Plan (2010 CAP) involves assessing whether applicable control measures are implemented. Implementation of control measures improve air quality and protect public health. These control measures are organized into five categories: Stationary Source Measures, Mobile Source Measures, Transportation Control Measures, Land Use and Local Impact Measures, and Energy and Climate Measures. The project's consistency with applicable control measures is summarized in Table 4.3-2, below.

The project supports the primary goals of the 2010 CAP in that it does not exceed the BAAQMD thresholds for operational air pollutant emissions and is considered infill development, providing users of the site with access to existing transit and services to reduce vehicle trips. The proposed project is consistent with the following applicable 2010 CAP control measures.

Table 4.3-2: Bay Area 2010 Clean Air Plan Applicable Control Measures

Measure	Description	Project Consistency
Improve Bicycle Access and Facilities	Expand bicycle facilities serving transit hubs, employment sites, educational and cultural facilities, residential areas, shopping districts, and other activity centers	There are existing bicycle lanes in the vicinity of the project site along Lundy Avenue and Berryessa Road. The project will provide two bicycle parking spaces, consistent with San Josè Municipal Code Chapter 20.90 in Section 20.90.060.
Improve Pedestrian Access and Facilities	Improve pedestrian access to transit, employment, and major activity centers	The project includes a right-of-way dedication along Lundy Avenue and Berryessa Road, and will construct 15-foot-wide sidewalks along these street frontages to improve pedestrian access along the site and to adjacent sites. The project is consistent with this control measure.
Support Local Land Use Strategies	Promote land use patterns, policies, and infrastructure investments that support mixed-use, transit-oriented development that reduce motor vehicle dependence and facilitate walking, bicycling, and transit use	The project vicinity is served by existing and planned transit, bicycle, and pedestrian facilities. Based on the transportation options available in the vicinity, the project is consistent with this control measure.
Parking Pricing and Management Strategies	Promote policies to implement market-rate pricing of parking facilities, reduce parking requirements for new development projects, parking "cash-out", unbundling of parking in residential and commercial leases, shared parking at mixed-use facilities, etc.	The project proposes a mix of uses that share on-site parking. Due to the mixed-use nature of the proposed project, it is generally consistent with this control measure.
Energy Efficiency	Increase efficiency and conservation to decrease fossil fuel use in the Bay Area	The project will comply with the City's Green Building Ordinance and Title 24 standards. The project is consistent with this control measure.

Table 4.3-2: Bay Area 2010 Clean Air Plan Applicable Control Measures		
Measure	**Description**	**Project Consistency**
Urban Heat Island Mitigation	Mitigate the "urban heat island" effect by promoting the implementation of cool roofing, cool paving, and other strategies	Although the project does not propose the use of cool roofing or paving, the project would plant additional trees and provide new landscaping. Thus, the project is generally consistent with this control measure.
Tree-Planting	Promote planting of low-VOC-emitting shade trees to reduce urban heat island effects, save energy, and absorb CO_2 and other air pollutants	The project would plant additional trees and provide new landscaping along the project property lines; however, selected trees are not considered to be low-VOC-emitting species. The trees would help offset the urban heat island effects and absorb CO_2; thus, the project is generally consistent with this control measure.

The project includes transportation and energy control measures and is generally consistent with the 2010 CAP; therefore, it would not result in a significant impact. **(Less than Significant Impact)**

4.3.2.3 *Air Quality Impacts (Checklist Questions b, c, d)*

The project proposes to demolish the existing on-site car wash and convenience store/kiosk. A new 3,212-square-foot convenience store, new 2,490-square-foot retail/deli, and car wash would be constructed.

The BAAQMD Guidelines contain screening criteria that were developed to provide lead agencies and project applicants with a conservative indication of whether the proposed project could result in significant air quality impacts, based on the emissions thresholds listed in Table 3-1: Criteria Air Pollutants and Precursors and GHG Screening Levels. If the screening criteria are met by a proposed project, a detailed assessment of emissions is not necessary and the emissions are assumed to be less than significant.

Operational Impacts

The BAAQMD operational screening threshold for criteria pollutants related to a convenience store with gas pumps is 4,000 square feet, and 8,000 square feet for a fast-food restaurant. The proposed uses are below this threshold, in that the proposed project would create 3,212 square feet of convenience store space and 2,490 square feet of retail/deli space. The screening criteria, however, does not include a category for a convenience store with gas pumps and a carwash.

As described in Appendix E: Traffic Impact Analysis, the proposed project is expected to generate approximately 65 weekday a.m. peak hour trips (38 inbound trips and 27 outbound trips) and 21 weekday p.m. peak hour trips (11 inbound trips and 10 outbound trips) with net increase of 4,775 daily trips. The majority of project trips are anticipated to be pass-by trips generated by vehicles traveling between other destinations and passing the site under "without project" conditions. For purposes of forecasting net peak hour trips, existing trip credits and pass-by trip reductions were applied as per the Institute of Traffic Engineers (ITE) ITE Trip Generation Manual, 9th Edition and

ITE Trip Generation Manual, 9th Edition Volume 1: User's Guide and Handbook.[4] The data suggest that the proposed inclusion of a carwash would not result in additional vehicle trips compared to the screening threshold assumptions in the BAAQMD Guidelines. Therefore, since the proposed project would not exceed the BAAQMD screening threshold, a detailed analysis of the project's criteria pollutant emissions is unnecessary, and the project would have a less than significant air quality impact.[5] **(Less than Significant Impact)**

Construction Impacts

Construction activities would temporarily affect local air quality. Construction activities such as earthmoving, construction vehicle traffic, and wind blowing over exposed earth would generate exhaust emissions and fugitive particulate matter emissions that affect local and regional air quality. Construction activities are also a source of organic gas emissions. Solvents in adhesives, non-water based paints, thinners, some insulating materials, and caulking materials would evaporate into the atmosphere and would participate in the photochemical reaction that creates urban ozone. Asphalt used in paving is also a source of organic gases for a short time after its application.

In addition to the screening thresholds for criteria pollutants discussed above, the BAAQMD Guidelines also contain screening criteria for construction emissions. The BAAQMD screening threshold for construction emissions related to a convenience store with gas pumps is 277,000 square feet. The proposed development would be well below the screening criteria, and thus would result in a less than significant impact.

For all proposed projects, BAAQMD recommends the implementation of Basic Construction Mitigation Measures, whether or not construction-related emissions exceed applicable thresholds of significance for construction emissions. The proposed project will include basic construction mitigation measures, listed as best management practices (BMPs) for the purposes of this Initial Study, recommended by BAAQMD to reduce project construction dust impacts.

Standard Permit Conditions*:* The following BMPs shall be implemented during all phases of construction to prevent visible dust emissions from leaving the project site:

- Water all active construction areas at least twice daily or as often as needed to control dust emissions.
- Cover all trucks hauling soil, sand, and other loose materials and/or ensure that all trucks hauling such materials maintain at least two feet of freeboard.
- Pave, apply water twice daily, or as often as necessary, to control dust, or apply non-toxic
- Sweep daily, or as often as needed, with water sweepers all paved access roads, parking areas and staging areas at construction sites to control dust.
- Sweep adjacent public streets daily, or as often as needed, to keep streets free of visible soil material.

[4] Pass-by trips are made as intermediate stops on the way from an origin to a primary trip destination without a route diversion. Pass-by trips are attracted from traffic passing the site on an adjacent street or roadway that offers direct access to the generator. Pass-by trips are not diverted from another roadway.
[5] BAAQMD. *CEQA Air Quality Guidelines.* Table 3-1, Operational-Related Criteria Air Pollutant and Precursor Screening Level Sizes. Updated May 2011. Page 3-2.

- Enclose, cover, water twice daily or apply non-toxic soil binders to exposed stockpiles (dirt, sand, etc.).
- Replant vegetation in disturbed areas as quickly as possible.
- Install sandbags or other erosion control measures to prevent silt runoff to public roadways.

With the implementation of the previously described Standard Permit Conditions, construction air quality impacts would be less than significant. **(Less than Significant Impact)**

Toxic Air Contaminants

Construction

In 1998 the California Air Resources Board identified particulate matter from diesel fueled engines as a TAC. Health risks from TACs are a function of both concentration and duration of exposure. Typically, if heavy equipment use does not occur within 300 feet of the same receptor for six months or more and involves less than an acre of disturbance, then the associated health risk is considered less than significant. The proposed project will require the use of various diesel-powered vehicles and equipment. The use of heavy equipment during project construction is expected to last a total of approximately five months. Given the proximity and location of the proposed project to existing sensitive receptor in the project area, however, sensitive receptors could be exposed to substantial TAC concentrations.

Impact AQ-1: The use of various diesel-powered vehicles and equipment during project construction could expose adjacent sensitive receptors to substantial TAC concentrations. **(Significant Impact)**

Mitigation Measure: As a condition of approval, the project proponent shall implement the required Standard Permit Conditions related to dust control listed above in this section and the following measure to reduce construction TAC impacts to sensitive receptors to a less than significant level:

MM AQ-1.1: Diesel-fueled construction equipment used onsite for more than two days shall meet U.S. Environmental Protection Agency Tier 2 emission standards. The project applicant shall submit, for review and approval, a construction operations plan that includes a list of equipment to be used more than two days during construction, specifications of the equipment to be used during construction and a letter signed by a qualified air quality specialist, verifying that the equipment included in the plan meets the standards set forth in this mitigation measure to the Director of the Department of Planning, Building, and Code Enforcement prior to issuance of a grading or demolition permit. The plan shall demonstrate compliance with the Tier 2 emissions standards.[6] **(Less than Significant Impact with Mitigation)**

[6] The 1998 non-road engine regulations were structured as a 3-tiered progression. Each tier involved a phase-in (by horsepower rating) over several years. Tier 1 standards were phased-in from 1996 to 2000. The more stringent Tier 2 standards took effect from 2001 to 2006, and yet more stringent Tier 3 standards phased=in from 2006 to 2008

Operation

As stated previously, according to trip rates published by ITE, the project would result in an increase of 65 weekday a.m. peak hour trips, 21 weekday p.m. peak hour trips vehicle trips, with 4,775 daily trips. The majority of project trips are anticipated to be pass-by trips generated by vehicles traveling between other destinations and would not, on its own, result in significant emissions as a result of vehicle trips. Because the project would not increase the number of fueling stations on the site, there would be no additional diesel-fueled trucks accessing the site to deliver gasoline. As a result, TAC emissions associated with vehicle trips would not significantly increase due to the project. **(Less than Significant Impact)**

4.3.2.4 *Odor Impacts (Checklist Question e)*

The proposed project includes the addition of a larger convenience store and a retail/deli. Food wastes as a result of these uses could result in localized odor issues if waste is not properly disposed of. A covered trash enclosure is proposed as part of the project and would be located at least 25 feet from the nearest adjacent residential property line. As a result, the project would not create objectionable odors affecting a substantial number of people. **(Less than Significant Impact)**

4.3.3 Conclusion

The proposed project would not result in significant air quality impacts with the incorporation of the construction-related dust and TAC control mitigation measure and Standard Permit Conditions. **(Less than Significant Impact with Mitigation)**

(Tier 3 standards applied only for engines from 37 to 560 kW). Accessed October 31, 2016. http://www.dieselnet.com/standards/us/nonroad.php.

4.4 BIOLOGICAL RESOURCES

The discussion within this section is based in part on information contained within the arborist report prepared for the project site by Kielty Arborist Services, and dated September 15, 2016. The report is contained within Appendix A.

4.4.1 Environmental Setting

4.4.1.1 *Regulatory Framework*

Migratory Bird Treaty Act

The federal Migratory Bird Treaty Act of 1918 (MBTA) is one of the nation's oldest environmental laws. The MBTA prohibits killing, possessing, or trading in migratory birds except in accordance with regulations prescribed by the Secretary of the Interior. This act encompasses whole birds, parts of birds, and bird nests and eggs. Construction disturbance during the breeding season that results in the incidental loss of fertile eggs or nestlings, or otherwise leads to nest abandonment, would violate the MBTA.[7]

Envision San José 2040 General Plan

The General Plan includes the following biological resource-related policies applicable to the proposed project.

Policy	Description
ER-4.4	Require that development projects incorporate mitigation measures to avoid and minimize impacts to individuals of special-status species.
ER-5.1	Avoid implementing activities that result in the loss of active native birds' nests, including both direct loss and indirect loss through abandonment, of native birds. Avoidance of activities that could result in impacts to nests during the breeding season or maintenance of buffers between such activities and active nests would avoid such impacts.
ER-5.2	Require that development projects incorporate measures to avoid impacts to nesting migratory birds.
ER-6.5	Prohibit use of invasive species, citywide, in required landscaping as part of the discretionary review of proposed development.
MS-21.4	Encourage the maintenance of mature trees, especially natives, on public and private property as an integral part of the community forest. Prior to allowing the removal of any mature tree, pursue all reasonable measures to preserve it.
MS-21.5	As part of the development review process, preserve protected trees (as defined by the Municipal Code), and other significant trees. Avoid any adverse effect on the health and longevity of protected or other significant trees through appropriate design measures and construction practices. Special priority should be given to the preservation of native oaks and native sycamores. When tree preservation is not feasible, include appropriate tree replacement, both in number and spread of canopy.

[7] A complete list of bird species protected by the MBTA is available on the United States Fish and Wildlife Service website: http://www.fws.gov/migratorybirds/regulationspolicies/mbta/mbtandx.html.

MS-21.6 As a condition of new development, require, where appropriate, the planting and maintenance of both street trees and trees on private property to achieve a level of tree coverage in compliance with and that implements City laws, policies or guidelines.

MS-21.8 For Capital Improvement Plan or other public development projects, or through the entitlement process for private development projects, require landscaping including the selection and planting of new trees to achieve the following goals:

1. Avoid conflicts with nearby power lines.
2. Avoid potential conflicts between tree roots and developed areas.
3. Avoid use of invasive, non-native trees.
4. Remove existing invasive, non-native trees.
5. Incorporate native trees into urban plantings in order to provide food and cover for native wildlife species.
6. Plant native oak trees and native sycamores on sites which have adequately sized landscape areas and which historically supported these species.

City of San José Tree Ordinance

The City of San José Tree Removal Controls (San José City Code Chapter 13.32) protect all trees having a trunk that measures 56 inches or more in circumference at a height of 24 inches above the natural grade. The ordinance protects both native and non-native species. A tree removal permit is required from the City of San José for the removal of ordinance-size trees. In addition, any tree found by the City Council to have special significance can be designated as a Heritage tree, regardless of tree size or species. It is unlawful to vandalize, mutilate, remove, or destroy such Heritage trees.

Santa Clara Valley Habitat Plan

The Santa Clara Valley Habitat Conservation Plan (Habitat Plan) was developed through a partnership between Santa Clara County, the Cities of San José, Morgan Hill, and Gilroy, Santa Clara Valley Water District (SCVWD), Santa Clara Valley Transportation Authority (VTA), U.S. Fish and Wildlife Service (USFWS), and California Department of Fish and Wildlife (CDFW). The Habitat Plan is intended to promote the recovery of endangered species and enhance ecological diversity and function, while accommodating planned growth in approximately 500,000 acres of southern Santa Clara County. The Habitat Plan has been in effect since October 14, 2013.

The proposed project is a covered activity under the Habitat Plan. The project site is located within the Urban-Suburban land cover type. Urban-Suburban land is comprised of areas where native vegetation has been cleared for residential, commercial, industrial, transportation, or recreational structures, and is defined as one or more structures per 2.5 acres. Vegetation found in the Urban-Suburban land cover type is usually in the form of landscaped residences, planted street trees, and parklands.

4.4.1.2 *Existing Conditions*

The project site is located in a fully developed area in central San José. Wildlife habitat on the project site is very limited, and is unlikely to be occupied by special status plant and/or animal species. There are no undisturbed areas or sensitive habitats on the site, and the site does not contain

any streams, waterways, or wetlands. Because of its urban setting and isolation from areas of undeveloped lands, the site does not function as a movement corridor for local wildlife. No rare, threatened, endangered, or special status species of flora or fauna are known to inhabit the site.

4.4.2 Checklist and Discussion of Impacts

	Potentially Significant Impact	Less Than Significant With Mitigation Incorporated	Less Than Significant Impact	No Impact	Checklist Source(s)
Would the project:					
a) Have a substantial adverse effect, either directly or through habitat modifications, on any species identified as a candidate, sensitive, or special status species in local or regional plans, policies, or regulations, or by the CDFW or USFWS?	☐	☒	☐	☐	1,2,16
b) Have a substantial adverse effect on any riparian habitat or other sensitive natural community identified in local or regional plans, policies, regulations, or by the CDFW or USFWS?	☐	☐	☒	☐	1,2,16
c) Have a substantial adverse effect on federally protected wetlands as defined by Section 404 of the Clean Water Act (including, but not limited to, marsh, vernal pool, coastal, etc.) through direct removal, filling, hydrological interruption, or other means?	☐	☐	☒	☐	1,2
d) Interfere substantially with the movement of any native resident or migratory fish or wildlife species or with established native resident or migratory wildlife corridors, impede the use of native wildlife nursery sites?	☐	☐	☐	☒	1,2
e) Conflict with any local policies or ordinances protecting biological resources, such as a tree preservation policy or ordinance?	☐	☐	☒	☐	1,3,11
f) Conflict with the provisions of an adopted Habitat Conservation Plan, Natural Community Conservation Plan, or other approved local, regional, or state habitat conservation plan?	☐	☐	☒	☐	1,16

4.4.2.1 *Impacts to Sensitive Species and Habitats (Checklist Questions a, b, and c)*

The project site is developed and occupied by a gas station, car wash, and surface parking lot. Vegetation on-site consists of small lawn areas and 15 trees located along the project street frontages and property lines, all of which would be removed as part of the project. Because of the history of development on-site, no natural or sensitive habitats exist that would support endangered, threatened, or special status wildlife species. Additionally, there are no undisturbed areas or sensitive habitats on

the site, and the site does not contain any streams, waterways, or wetlands. Therefore, vegetation and wildlife impacts that would occur due to temporary or permanent loss of existing landscape plants and shrubs as a result of development of the proposed project would be less than significant. **(Less than Significant Impact)**

4.4.2.2 *Impacts to Wildlife Movement (Checklist Question d)*

As previously discussed, there are currently 15 trees located on the project site, which would be removed as part of the project. Additionally, there are 12 trees immediately next to the site on adjacent residential parcels. While use of the trees for raptor nesting is unlikely due to the size of the trees and limited cover provided, other migratory birds could use the trees for nesting. These nesting migratory birds could be impacted as a result of tree removal or indirectly due to construction activities.

Impact BIO – 1: Demolition and construction activities, including the removal of trees from the project site, could impact nesting migratory birds. **(Significant Impact)**

Mitigation Measure: The project would implement measures to avoid impacts to nesting migratory birds. The project, with the incorporation of these measures, would result in a less than significant impact on migratory birds.

MM BIO – 1.1: Construction should be scheduled between September 1st and January 31st (inclusive) to avoid the nesting season. If this is not possible, pre-construction surveys for nesting raptors and other migratory breeding birds (including yellow warblers) shall be conducted by a qualified ornithologist to identify active nests that may be disturbed during project implementation on-site and within 250 feet of the site. Between February 1st and April 30th (inclusive) pre-construction surveys shall be conducted no more than 14 days prior to initiation of construction activities (including any ground-disturbing activities) or tree removal. Between May 1st and August 31st (inclusive), pre-construction surveys shall be conducted no more than 30 days prior to initiation of these activities. The surveying ornithologist shall inspect all trees in and immediately adjacent (within 250 feet) to the construction area for nests.

If an active nest is found in or close enough to the construction area to be disturbed by these activities, the ornithologist shall, in consultation with the CDFW, designate a construction-free buffer zone (typically 250 feet for raptors and 100 feet for other birds) around the nest, which shall be maintained until after the breeding season has ended and/or a qualified ornithologist has determined that the young birds have fledged.

The applicant shall submit a report indicating the results of the survey and any designated buffer zones to the satisfaction of the Director of Planning, Building, and Code Enforcement prior to issuance of any grading permits. **(Less than Significant Impact with Mitigation Incorporated)**

4.4.2.3 *Conflicts with Local Policies or Ordinances (Checklist Question e)*

While the project site is urbanized and is within a larger urbanized area, there are trees on and adjacent to the site that are part of the urban forest. Within the City of San José, the urban forest as a whole is considered an important biological resource because most trees provide some nesting, cover, and foraging habitat for birds and mammals that are tolerant of humans, as well as providing necessary habitat for beneficial insects.

Fifteen trees of varying size and health are present on the site, as described in Appendix A. The tree sizes are summarized in the following Table 4.4-1.

Table 4.4-1:Tree Removal Summary

Diameter of Tree to be Removed	Type of Tree to be Removed		
	Native	Non-Native	Orchard
18 inches or more	none	3	none
12 to 18 inches	none	1	none
Less than 12 inches	none	11	none

The impact to the urban forest resulting from the removal of the trees would be offset by the planning of replacement trees on-site, in conformance with General Plan Policy MS-21.4, MS-21.6, and MS 21.8. The removed trees would be replaced according to tree replacement ratios required by the City, as provided in Table 4.4-2 below.

Table 4.4-2: Tree Replacement Ratios

Diameter of Tree to be Removed	Type of Tree to be Removed			Minimum Size of Each Replacement Tree
	Native	Non-Native	Orchard	
18 inches or more	5:1	4:1	3:1	24-inch box
12 to 18 inches	3:1	2:1	none	24-inch box
Less than 12 inches	1:1	1:1	none	15-gal. container

x:x = tree replacement to tree loss ratio

Note: Ordinance sized trees (greater than or equal to 18-inch diameter) shall not be removed unless a Tree Removal Permit, or equivalent, has been approved for the removal of such trees.

In the event replacement/mitigation trees cannot be accommodated on the site, tree removal will be mitigated through a donation of $300 per mitigation tree to Our City Forest for in-lieu off-site tree planting in the community.

Standard Permit Conditions: The project shall implement the following conditions to reduce the impacts to trees that are to remain from development and construction activities:

- Tree Protection Plan discussed in the arborist report (Appendix A),
- San Josè Municipal Code Section 13.32.130 Safeguarding Trees during Construction.

Compliance with the required tree replacement ratios (or donation of the appropriate in-lieu fee) and the Standard Permit Conditions would reduce impacts to the urban forest to a less than significant level. **(Less than Significant Impact)**

4.4.2.4 *Consistency with the Santa Clara Valley Habitat Plan (Checklist Question f)*

The project site is located within the Habitat Plan study area and would be subject to applicable Habitat Plan fees. The project site is designated as Urban–Suburban and is not identified as important habitat for endangered and threatened species. Therefore, the development of the project site would not result in impacts to any of the Habitat Plan's covered species.

Nitrogen deposition is known to have damaging effects on many of the serpentine plants in the Habitat Plan study area, as well as the host plants that support the Bay checkerspot butterfly. Mitigation for the impacts of nitrogen deposition upon serpentine habitat and the Bay checkerspot butterfly can be correlated to the amount of new vehicle trips that a project is expected to generate. Fees collected under the Habitat Plan for new vehicle trips will be used to purchase conservation land for the Bay checkerspot butterfly. The Habitat Plan requires nitrogen deposition fees for all study area projects that generate new vehicle trips in order to address cumulative nitrogen deposition impacts.[8] The project is required to pay all applicable fees prior to issuance of permits as described in the Standard Permit Condition below. Therefore, the project would not conflict with the provisions of the Habitat Plan. **(Less than Significant Impact)**

Standard Permit Condition: The project applicant will be required to submit the Santa Clara Valley Habitat Plan – Coverage Screening Form to the Planning Building and Code Enforcement Supervising Environmental Planner for approval and payment of the nitrogen deposition fee prior to issuance of a grading permit.

4.4.2.5 *Conclusion*

With the implementation of the previously described mitigation measures and Standard Permit Conditions, the project would not result in significant impacts to biological resources. **(Less than Significant Impact with Mitigation)**

[8] County of Santa Clara, USFWS. *Santa Clara Valley Habitat Plan Final Environmental Impact Report/Environmental Impact Statement.* Accessed January 25, 2017. http://scv-habitatagency.org/178/Santa-Clara-Valley-Habitat-Plan.

4.5 CULTURAL RESOURCES

4.5.1 Environmental Setting

4.5.1.1 *Regulatory Framework*

Archaeological and Historical Resources

The National Historic Preservation Act of 1966 (as amended), the California Public Resources Code, and the California Environmental Quality Act are the basic federal and state regulations governing the preservation of historic and archaeological resources of national, regional, state and/or local significance. The historic significance and eligibility of a building, structure, object, site or district for listing may be assessed based upon the criteria in the National Register of Historic Places, the California Register of Historical Resources, and the City's Historic Preservation Ordinance (Chapter 13.48 of the Municipal Code). The City's General Plan also includes Historic Preservation and Archaeological and Cultural Resources policies regarding preservation of historical and archaeological resources within the City.

Native American Resources

On September 25, 2014, Governor Edmund G. Brown signed Assembly Bill 52 (AB 52), creating a new category of environmental resources (tribal cultural resources), which must be considered under CEQA. The legislation imposes new requirements for consultation regarding projects that may affect a tribal cultural resource, includes a broad definition of what may be considered to be a tribal cultural resource, and includes a list of recommended mitigation measures. AB 52 also requires lead agencies to provide notice to tribes that are traditionally and culturally affiliated with the geographic area if they have requested to be notified of projects proposed within that area. Where a project may have a significant impact on a tribal cultural resource, consultation is required until the parties agree to measures to mitigate or avoid a significant effect on a tribal cultural resource or when it is concluded that mutual agreement cannot be reached.

Envision San José 2040 General Plan

The General Plan includes the following policies, which are specific to cultural resources and are applicable to the project.

Policy	Description
ER-10.1	For proposed development sites that have been identified as archaeologically or paleontologically sensitive, require investigation during the planning process in order to determine whether potentially significant archaeological or paleontological information may be affected by the project and then require, if needed, that appropriate mitigation measures be incorporated into the project design.
ER-10.2	Recognizing that Native American human remains may be encountered at unexpected locations, impose a requirement on all development permits and tentative subdivision maps that upon discovery during construction, development activity would cease until professional archaeological examination confirms whether the burial is human. If the remains are determined to be Native American, applicable state laws shall be enforced.

ER-10.3	Ensure that city, state, and federal historic preservation laws, regulations, and codes are enforced, including laws related to archaeological and paleontological resources, to ensure the adequate protection of historic and pre-historic resources.

4.5.1.2 *Existing Conditions*

Historic Resources

The existing structures on the site were constructed in 1974. The structures are not associated with persons or events which are important to California history. There are no known historic resources located on or adjacent to the project site.

Archaeological Resources

The project site is located at the edge of an area of archaeological sensitivity, as mapped for the Envision San José 2040 General Plan Final Program Environmental Impact Report (General Plan FPEIR).

Paleontological Resources

The area is mapped in Appendix J of the General Plan FPEIR as an area of high paleontological sensitivity at depth, but not at the surface.

Tribal Cultural Resources

No tribes have requested notice of projects within the geographic area of the proposed project, and no known tribal cultural resources are located at the project site.

4.5.2 Checklist and Discussion of Impacts

	Potentially Significant Impact	Less Than Significant With Mitigation Incorporated	Less Than Significant Impact	No Impact	Checklist Source(s)
Would the project:					
a) Cause a substantial adverse change in the significance of an historical resource as defined in CEQA Guidelines Section 15064.5?	☐	☐	☐	☒	1, 2
b) Cause a substantial adverse change in the significance of an archaeological resource as defined in CEQA Guidelines Section 15064.5?	☐	☐	☒	☐	1, 2
c) Directly or indirectly destroy a unique paleontological resource or site, or unique geologic feature?	☐	☐	☒	☐	1, 2
d) Disturb any human remains, including those interred outside of dedicated cemeteries?	☐	☐	☒	☐	1, 2

	Potentially Significant Impact	Less Than Significant With Mitigation Incorporated	Less Than Significant Impact	No Impact	Checklist Source(s)
Would the project:					
e) Cause a substantial adverse change in the significance of a tribal cultural resource, defined in Public Resources Code Section 21074 as either a site, feature, place, cultural landscape that is geographically defined in terms of the size and scope of the landscape, sacred place, or object with cultural value to a California Native American tribe, and that is:					1, 2
1. Listed or eligible for listing in the California Register of Historical Resources, or in a local register of historical resources as defined in Public Resources Code Section 5020.1(k); or	☐	☐	☐	☒	1, 2
2. A resource determined by the lead agency, in its discretion and supported by substantial evidence, to be significant pursuant to criteria set forth in subdivision (c) of Public Resources Code Section 5024.1. In applying this criteria, the significance of the resource to a California Native American tribe shall be considered.	☐	☐	☐	☒	1, 2

4.5.2.2 *Historic Resources Impacts (Checklist Question a)*

The structures on the project site were constructed in the 1970s and are not eligible for listing on historic registers. Additionally, there are no historic structures or resources immediately surrounding the site. Thus, there would be no impact to these resources as a result of the project. **(No Impact)**

4.5.2.3 *Archaeological Resources Impacts (Checklist Questions b and d)*

The project proposes to remove an existing convenience store/kiosk, car wash, and pavement from the site. It is anticipated that the maximum disturbance depth would be 10 feet below grade. While the top 2 to 3 feet of the site is fill material, disturbance of native soils could occur during trenching for utilities and excavation for the structure foundations.[9] While the project site is located at the edge of an area of archaeological sensitivity, discovery of archaeological resources or pre-historic human remains is unlikely given the location of the project site in comparison to known culturally sensitive areas and previous development activities. Although unlikely, excavation and trenching for utilities on the site could, however, damage as yet unrecorded subsurface resources.

[9] Bureau Veritas. P*hase I Environmental Site Assessment, 1705 Berryessa Road, San Josè, California*. February 10, 2010.

Standard Permit Conditions: The project would implement the following standard permit conditions to lessen potential impacts to archaeological resources or pre-historic human remains.

- In the event that any significant cultural materials (including prehistoric or historic resources or vertebrate fossils) are encountered during excavation and/or grading of the site, all activity within a 50-foot radius of the find shall be stopped, the Director of Planning, Building and Code Enforcement shall be notified, and an archaeologist will examine the find and make appropriate recommendations regarding the significance of the find and appropriate mitigation. Recommendations could include collection, recordation, and analysis of any significant cultural materials. A report of findings documenting any data recovery during monitoring would be submitted to the Director of Planning, Building, and Code Enforcement.
- In the event that human remains are discovered during excavation and/or grading of the site, activities occurring within a 50-foot radius of the find shall be stopped. The Santa Clara County Coroner shall be notified and make a determination as to whether the remains are of Native American origin or whether an investigation into the cause of death is required. If the remains are determined to be Native American, the Coroner will notify the Native American Heritage Commission (NAHC) immediately. Once the NAHC identifies the most likely descendants, the descendants will make recommendations regarding proper burial, which will be implemented in accordance with Section 15064.5(e) of the CEQA Guidelines. **(Less than Significant Impact)**

4.5.2.4 *Paleontological Resources Impacts (Checklist Question c)*

The project site is immediately underlain by Holocene sediments that have low potential to yield fossil resources or to contain significant nonrenewable paleontological resources. These recent sediments, however, may overlie older Pleistocene sediments with high potential to contain paleontological resources. These older sediments are often found at depths of greater than 10 feet below the ground surface. Excavation on-site will not exceed 10 feet in depth and it is improbable that paleontological resources will be discovered on-site due to the anticipated depths of ground disturbance and the age of underlying sediments. **(Less than Significant Impact)**

4.5.2.5 *Tribal Cultural Resources Impacts (Checklist Question e*

No tribes have requested notice under AB 52 of projects within the geographic area of the proposed project. No known tribal cultural resources are located at the project site. For these reasons, there would be no impact to tribal cultural resources identified as having cultural value to a Native American tribe. **(No Impact)**

4.5.3 Conclusion

With implementation of the identified mitigation measures and Standard Permit Conditions described above, the proposed project would have a less than significant impact on cultural resources. **(Less than Significant Impact with Mitigation Incorporated)**

4.6 GEOLOGY AND SOILS

4.6.1 Environmental Setting

4.6.1.1 *Regulatory Framework*

Alquist-Priolo Earthquake Fault Zoning Act

The Alquist-Priolo Earthquake Fault Zoning Act regulates development in California near known active faults due to hazards associated with surface fault ruptures. The Earthquake Fault Zones indicate areas with potential surface fault-rupture hazards. Areas within the Alquist-Priolo Earthquake Fault Zone require special studies to evaluate the potential for surface rupture to ensure that no structures intended for human occupancy are constructed across an active fault.

California Building Code

The California Building Code prescribes a standard for constructing safer buildings throughout the State of California. It contains provisions for earthquake safety based on factors including occupancy type, soil and rock profile, strength of the ground and distance to seismic sources. The code is renewed on a triennial basis every 3 years; the current version is the 2013 Building Standards Code.

City of San José Municipal Code

Title 24 of the San José Municipal Code includes the 2013 California Building, Plumbing, Mechanical, Electrical, Existing Building, and Historical Building Codes. Requirements for building safety and earthquake hazard reduction are also addressed in Chapter 17.40 (Dangerous Buildings) and Chapter 17.10 (Geologic Hazards Regulations) of the Municipal Code. Requirements for grading, excavation, and erosion control are included in Chapter 17.10 (Building Code, Part 6 Excavation and Grading). In accordance with the Municipal Code, the Director of Public Works must issue a Certificate of Geologic Hazard Clearance prior to the issuance of grading and building permits within defined geologic hazard zones, including State Seismic Hazard Zones for Liquefaction.

Envision San José 2040 General Plan

The following General Plan policies are specific to geological resources and are applicable to the proposed project.

Policy	Description
EC-3.1	Design all new or remodeled habitable structures in accordance with the most recent California Building Code and California Fire Code as amended locally and adopted by the City of San José, including provisions regarding lateral forces.
EC-4.1	Design and build all new or remodeled habitable structures in accordance with the most recent California Building Code and municipal code requirements as amended and adopted by the City of San José, including provisions for expansive soil, and grading and stormwater controls.

EC-4.4	Require all new development to conform to the City of San José's Geologic Hazard Ordinance.
EC-4.11	Require the preparation of geotechnical and geological investigation reports for projects within areas subject to soils and geologic hazards, and require review and implementation of mitigation measures as part of the project approval process.
ES-4.9	Permit development only in those areas where potential danger to health, safety, and welfare of the persons in that area can be mitigated to an acceptable level.

4.6.1.2 *Existing Conditions*

Soils

The subsurface soils beneath the project site consist primarily of clays and silts with two notable sandy silt and sand layers. Fill materials extend from the ground surface to approximately 2 to 3 feet below ground surface (bgs). Silts and clays underlay the fill material and extend to approximately 10 feet bgs. A water-bearing sandy silt/silty sand occurs at depths between 10 to 16 feet bgs. Silts and clay then typically extend to approximately 36 to 40 feet bgs. Other water bearing, sand and gravelly sand units are present from approximately 36 to 38 feet bgs on site, and from approximately 39.5 to 45 feet bgs off site to the southeast. Clay and silt of unknown thickness is below the sandy layer.[10]

Seismicity and Seismic Hazards

The project site is located within the seismically active San Francisco Bay Area region. There is a 72 percent probability that one or more major earthquakes (6.7 in magnitude or greater) will occur in the region by 2044.[11] Although the site is within a seismically active region, it is not located within a designated Alquist-Priolo Earthquake Fault Zone[12] and no known active or potentially active faults exist on the site. Since no known surface active faults cross the site, fault rupture is not a significant geologic hazard on the site.

Significant active faults (which have a capability generating an earthquake with a magnitude of 6.7 or greater)[13] within the region include the Hayward Fault, Calaveras Fault, and San Andreas Fault, located 9 miles northeast, six miles east, and 16 miles west of the site, respectively. Due to the proximity of the project site to these active or potentially active faults, ground shaking, ground failure, and/or liquefaction as a result of an earthquake could cause damage to structures on the site.

Liquefaction

Liquefaction is the result of seismic activity and is characterized as the transformation of loose water-saturated soils from a solid state to a liquid state during ground shaking. During ground shaking,

[10] Bureau Veritas. *Phase I Environmental Site Assessment, 1705 Berryessa Road, San Josè, California*. February 10, 2010.
[11] US Geological Survey. *UCERF3: A New Earthquake Forecast for California's Complex Fault System*. Fact Sheet 2015–3009. March 2015. Accessed October 25, 2016. http://pubs.usgs.gov/fs/2015/3009/pdf/fs2015-3009.pdf.
[12] California Department of Mines and Geology. San Josè East Quadrangle. *"Special Studies Zones"*. Accessed January 24, 2016. http://www.conservation.ca.gov/cgs/rghm/ap/Pages/index.aspx.
[13] Active faults is one that has ruptured in the last 11,000 years. California Geological Survey. Alquist-Priolo Earthquake Fault Zoning Act. Accessed October 25, 2016. http://www.conservation.ca.gov/cgs/rghm/ap/Pages/main.aspx.

such as during earthquakes, cyclically induced stresses may cause increased pore water pressures within the soil voids, resulting in liquefaction. Liquefied soils may lose shear strength that may lead to large shear deformations and/or flow failure under moderate to high shear stresses, such as beneath foundations or sloping ground. The project site is located within a state-designated Liquefaction Hazard Zone.[14]

Landslides

Landslides occur when slopes become unstable and masses of earth material move downslope. Landslides are generally considered to be rapid events, often triggered during periods of rainfall or by earthquakes. Hilly or slope areas have a tendency to fail and result in landslides. The project site is not located within in a state-designated Landslide Hazard Zone.[15]

4.6.2 Checklist and Discussion of Impacts

	Potentially Significant Impact	Less Than Significant With Mitigation Incorporated	Less Than Significant Impact	No Impact	Checklist Source(s)
Would the project:					
a) Expose people or structures to potential substantial adverse effects, including the risk of loss, injury, or death involving:					
1. Rupture of a known earthquake fault, as described on the most recent Alquist-Priolo Earthquake Fault Zoning Map issued by the State Geologist for the area or based on other substantial evidence of a known fault (refer to Division of Mines and Geology Special Publication 42.)?	☐	☐	☒	☐	1,2,7,13
2. Strong seismic ground shaking?	☐	☐	☒	☐	1,2
3. Seismic-related ground failure, including liquefaction?	☐	☒	☐	☐	1,2
4. Landslides?	☐	☐	☒	☐	1,2
b) Result in substantial soil erosion or the loss of topsoil?	☐	☐	☒	☐	1,3
c) Be located on a geologic unit or soil that is unstable, or that will become unstable as a result of the project, and potentially result in on- or off-site landslide, lateral spreading, subsidence, liquefaction or collapse?	☐	☐	☒	☐	1,3

[14] State of California. Department of Conservation. *Seismic Hazard Zones*. San Josè East Quadrangle. Accessed January 24, 2017. ftp://ftp.consrv.ca.gov/pub/dmg/pubs/lsim/LSIM_SanJosèEast.pdf.
[15] State of California. Department of Conservation. *Seismic Hazard Zones*. San Josè East Quadrangle. Accessed January 24, 2017. ftp://ftp.consrv.ca.gov/pub/dmg/pubs/lsim/LSIM_SanJosèEast.pdf.

	Potentially Significant Impact	Less Than Significant With Mitigation Incorporated	Less Than Significant Impact	No Impact	Checklist Source(s)
Would the project:					
d) Be located on expansive soil, as defined in Section 1802.3.2 of the California Building Code (2007), creating substantial risks to life or property?	☐	☐	☒	☐	1,3,13
e) Have soils incapable of adequately supporting the use of septic tanks or alternative wastewater disposal systems where sewers are not available for the disposal of wastewater?	☐	☐	☐	☒	1

4.6.2.2 *Seismicity and Seismic Hazards (Checklist Questions a and c)*

The project site is located within a state-designated liquefaction hazard zone; however, the General Plan FPEIR concluded that adherence to the California Building Code (which would be required through issuance of a City of San José Building Permit) would reduce liquefaction-related impacts to a less than significant level. As described with in the Standard Permit Conditions below, the project would also be required to submit a site-specific geotechnical investigation addressing the potential liquefaction hazard. The report would be reviewed and approved by the City Geologist prior to issuance of a grading permit or Public Works Clearance for Building permits.

As described previously, the project site is not located within an area susceptible to earthquake-induced landslides or Landslide Hazard Zone according to the State of California. .

The project site is located in a seismically active region of California and strong ground shaking would be expected during the lifetime of the proposed project. There are no known active faults traversing the project site and the site is not located in the Alquist-Priolo Earthquake Fault Zone.[16] Potential for surface rupture from displacement or fault movement directly beneath the proposed project is considered low. Depending upon the intensity and magnitude of a seismic event, new buildings may experience shaking due to the site's proximity to the active Hayward and Calaveras Faults. Implementation of the Standard Permit Condition listed below will reduce seismic hazards and impacts to a less than significant level.

Standard Permit Condition: To avoid or minimize potential damage from seismic shaking, the project would be built using standard engineering and seismic safety design techniques. Building design and construction at the site will be completed in conformance with the recommendations of a design-level geotechnical investigation. The structural designs for the proposed development will account for repeatable horizontal ground accelerations.

[16] Association of Bay Area Governments, Resilience Program GIS Mapping Tool. Accessed October 25, 2016. http://gis.abag.ca.gov/.

- The report shall be reviewed and approved of by the City of San José's Building Division's City Geologist as part of the building permit review and issuance process.
- The buildings shall meet the requirements of applicable Building and Fire Codes, including the 2013 California Building Code Chapter 16, Section 1613, as adopted or updated by the City.
- The project shall be designed to withstand soil hazards identified on the site and the project shall be designed to reduce the risk to life or property on site and off site to the extent feasible and in compliance with the Building Code. (**Less than Significant Impact)**

4.6.2.3 *Soils Impacts (Checklist Questions b and d)*

Soils encountered at the project site consist primarily of clays and silts with two notable sandy silt and sand layers. The project site is located in a relatively flat area and would not be exposed to substantial slope instability, erosion, or landslide-related hazards. The expansion potential of the soils is unknown. To ensure that future buildings on the site are designed properly to account for the presence of unstable or expansive soils, the following Standard Permit Conditions shall be implemented as part of the project.

Standard Permit Conditions: The project shall be constructed in accordance with the standard engineering practices in the California Building Code, as adopted by the City of San José. In addition, the City of San José Department of Public Works requires a grading permit to be obtained prior to the issuance of a Public Works Clearance. These standard practices, including the measures outlined below, would ensure that future buildings on the site are designed properly to account for soils-related hazards on the site and to prevent soil erosion.

- The project shall conform to the recommendations of a project-specific geotechnical report, including design considerations for proposed foundations.
- The project shall prepare and implement an Erosion Control Plan in conformance with the requirements of the Department of Public Works.

The project, with the implementation of standard engineering practices as outlined above, would not result in significant soil impacts from expansive soils or result in soil erosion. **(Less than Significant Impact)**

4.6.2.4 *Septic Systems (Checklist Question e)*

The project site is located within an urbanized area of San José where sanitary sewer lines are available to dispose of wastewater from the project site. No septic tanks will be utilized on the project site. As a result, the soil on-site will not need to support septic tanks or alternative wastewater disposal systems. **(No Impact)**

4.6.3 Conclusion

With implementation of the Standard Permit Conditions described above, the proposed project would result in less than significant geologic and soils impacts, and would not expose people or structures to new adverse seismic risks. **(Less than Significant Impact)**

4.7 GREENHOUSE GAS EMISSIONS

4.7.1 Environmental Setting

Unlike emissions of criteria and toxic air pollutants, which have regional and local impacts, emissions of Greenhouse Gases (GHGs) have a broader, global impact. Global warming associated with the greenhouse effect is a process whereby GHGs accumulating in the upper atmosphere contribute to an increase in the temperature of the earth's atmosphere. The principal GHGs contributing to global warming and associated climate change are carbon dioxide (CO_2), methane (CH_4), nitrous oxide (N_2O), and fluorinated compounds. Emissions of GHGs contributing to global climate change are attributable in large part to human activities associated with the transportation, industrial and manufacturing, utility, residential, commercial, and agricultural sectors.

4.7.1.1 *Regulatory Framework*

State of California

Assembly Bill 32 and Executive Order S-3-05

The Global Warming Solutions Act (Assembly Bill [AB] 32) was passed in California in September 2006 to address the state's contribution to global climate change. AB 32 requires that GHG emissions in California be reduced to 1990 levels by 2020. In June 2005, the Governor of California signed Executive Order S-3-05, identifying the California Environmental Protection Agency (CalEPA) as the lead coordinating state agency for establishing climate change emissions reduction targets in California. Under Executive Order S-3-05, the state plans to reduce GHG emissions to 80 percent below 1990 levels by 2050.

In December 2008, the California Air Resources Board (CARB) approved the *Climate Change Scoping Plan* (Scoping Plan), which proposes a comprehensive set of actions designed to reduce California's dependence on oil, diversify energy sources, save energy, and enhance public health, among other goals. Per AB 32, the Scoping Plan must be updated every 5 years to evaluate the mix of AB 32 policies to ensure that California is on track to achieve the 2020 GHG reduction goal.

In May 2014, CARB adopted the *First Update to the Climate Change Scoping Plan* (2014 Update). The 2014 Update defines CARB's climate change priorities for the next 5 years and lays the groundwork to start the transition to the post-2020 goals set forth in Executive Orders S-3-05. The 2014 Update highlights California's progress toward meeting the near-term 2020 GHG emission reduction goals defined in the 2008 Scoping Plan and evaluates how to align the state's longer-term GHG reduction strategies with other state policy priorities, such as for water, waste, natural resources, agriculture, clean energy, and transportation and land use.

Executive Order B-30-15

On April 29, 2015, Governor Edmund G. Brown Jr. issued Executive Order B-30-15, setting a new interim statewide GHG reduction target. The purpose of establishing the interim target is to ensure California meets its previously established target of reducing GHG emissions to 80 percent below 1990 levels by 2050, as set forth in Executive Order S-3-05 in 2005. Under Executive Order B-30-15, the interim target is to reduce GHG emissions to 40 percent below 1990 levels by 2030.

As a part of this effort, CARB is required to update the Scoping Plan to express the 2030 target in terms of million metric tons of carbon dioxide equivalent. The updated Scoping Plan will provide a framework for achieving the 2030 target. A draft of the Scoping Plan update is scheduled to be released in 2016. [17]

Senate Bill 32 and Assembly Bill 197

Senate Bill (SB) 32 and AB 197 were signed into law in September 2016. The recently signed SB 32 legislation amends provisions of AB 32, the California Global Warming Solutions Act of 2006 (Health and Safety Code Division 25.5), to require CARB to ensure that statewide GHG emissions are reduced to 40 percent below the 1990 level by December 31, 2030. This legislation incorporates the Executive Order B-30-15 target discussed above into state law. CARB is charged with adopting rules and regulations to achieve the maximum technologically feasible and cost-effective greenhouse gas emissions reductions to meet this new interim statewide GHG target. The framework for GHG emissions reductions will be provided through an update to the current Scoping Plan.

Changes to the Health and Safety Code under the companion AB 197 legislation call for Scoping Plan updates to identify each emissions reduction measure and include the range of projected GHG emissions reductions, as well as the range of resulting projected air pollution reductions. CARB is currently holding workshops as part of development of a 2030 Target Scoping Plan Update.

Senate Bill 375 – Sustainable Communities Strategy

Senate Bill 375 (SB 375), known as the Sustainable Communities Strategy and Climate Protection Act, was signed into law in September 2008. It builds on AB 32 by requiring CARB to develop regional GHG reduction targets to be achieved from the automobile and light truck sectors for 2020 and 2035 when compared to emissions in 2005. The per capita reduction targets for passenger vehicles in the San Francisco Bay Area include a 7 percent reduction by 2020 and a 15 percent reduction by 2035. Under SB 375, the region's Metropolitan Planning Organizations must create a Sustainable Communities Strategy (SCS), to provide an integrated land use/transportation plan for meeting regional targets, consistent with the Regional Transportation Plan (RTP).

Regional

Plan Bay Area

The Metropolitan Transportation Commission (MTC) and Association of Bay Area Governments (ABAG) adopted *Plan Bay Area*, which includes an SCS and the 2040 RTP for the region, in July 2013. The strategies in the plan are intended to promote compact, mixed-use development close to public transit, jobs, schools, shopping, parks, recreation, and other amenities, particularly within Priority Development Areas (PDAs) identified by local jurisdictions. The project site is located within a PDA.[18]

[17] CARB. Target Scoping Plan Update Concept Paper. June 17, 2016. October 10, 2016. http://www.arb.ca.gov/cc/scopingplan/document/2030_sp_concept_paper2016.pdf.
[18] ABAG. PDA Showcase. Accessed October 11, 2016. http://gis.abag.ca.gov/website/PDAShowcase/.

BAAQMD CEQA Air Quality Guidelines

BAAQMD is the regional, government agency that regulates sources of air pollution within the 9 San Francisco Bay Area Counties. The *BAAQMD CEQA Air Quality Guidelines* include thresholds of significance for analyzing GHG emissions. The Guidelines also outline a methodology for estimating GHGs, including the use of the modeling for direct emissions from land use projects when appropriate.

Bay Area 2010 Clean Air Plan

The 2010 CAP includes performance objectives, consistent with the state's climate protection goals under AB 32 and SB 375, designed to reduce emissions of greenhouse gases to 1990 levels by 2020 and 40 percent below 1990 levels by 2035. The 2010 CAP identifies a range of Transportation Control Measures, Land Use and Local Impacts Measures, and Energy and Climate Measures that make up the 2010 CAP's control strategy for emissions, including GHG emissions. The project is consistent with the land use assumptions for the site and generally consistent with applicable control measures in the 2010 CAP; therefore, development of the project would not interfere with implementation of the 2010 CAP.

Local

Envision San José 2040 General Plan and Greenhouse Gas Reduction Strategy

The City of San José has adopted localized policies to regulate GHG emissions. The General Plan includes strategies, policies, and action items that are incorporated in the City's GHG Reduction Strategy to help reduce GHG emissions. The GHG Reduction Strategy identifies GHG reduction measures to be implemented by development projects. Some measures are mandatory for all proposed development projects and others are voluntary. Compliance with the mandatory measures and voluntary measures required by the City would ensure an individual project's consistency with the GHG Reduction Strategy. Projects that are consistent with the General Plan land use assumptions and GHG Reduction Strategy would have a less than significant impact related to GHG emissions.

The following General Plan policies are related to GHG emissions and are applicable to the proposed project.

Policy	Description
MS-2.11	Require new development to incorporate green building practices, including those required by the Green Building Ordinance. Specifically, target reduced energy use through construction techniques (e.g., design of building envelopes and systems to maximize energy performance), through architectural design (e.g. design to maximize cross ventilation and interior daylight) and through site design techniques (e.g. orienting buildings on sites to maximize the effectiveness of passive solar design).
MS-14.4	Implement the City's Green Building Policies so that new construction and rehabilitation of existing buildings fully implements industry best practices, including the use of optimized energy systems, selection of materials and resources, water efficiency, sustainable site selection, passive solar building design, and planting of trees and other landscape materials to reduce energy consumption.

CD-3.2:	Prioritize pedestrian and bicycle connections to transit, community facilities (including schools), commercial areas, and other areas serving daily needs. Ensure that the design of new facilities can accommodate significant anticipated future increases in bicycle and pedestrian activity.
CD-5.1	Design areas to promote pedestrian and bicycle movements and to facilitate interaction between community members and to strengthen the sense of community.
LU-5.4	Require new commercial development to facilitate pedestrian and bicycle access through techniques such as minimizing building separation from public sidewalks; providing safe, accessible, convenient, and pleasant pedestrian connections; and including secure and convenient bike storage.

City of San José Municipal Code

The City's Municipal Code includes the following regulations designed to reduce GHG emissions from future development:

- Green Building Ordinance (Chapter 17.84)
- Water Efficient Landscape Standards for New and Rehabilitated Landscaping (Chapter 15.10)
- Construction and Demolition Diversion Deposit Program (Chapter 9.10)
- Wood Burning Ordinance (Chapter 9.10)

City of San José Private Sector Green Building Policy (6-32)

In October 2008, the City adopted the Private Sector Green Building Policy (6-32) that establishes baseline green building standards for private sector new construction and provides a framework for the implementation of these standards. This policy requires that applicable projects achieve minimum green building performance levels using the Council adopted standards. The green building standards required by this policy are intended to advance greenhouse gas reduction by reducing per capita energy use, providing energy from renewable sources, diverting waste from landfills, using less water, and encouraging the use of recycled wastewater.

4.7.1.2 *Existing Conditions*

The project site is currently developed with a gas station, small convenience store, and drive-through car wash. Existing uses generate GHG emissions from the combustion of fossil fuels (oil, natural gas, and coal) for energy production. The energy is used in various ways, directly and indirectly, ranging from electricity used to operate heating, ventilation, and air conditioning, to the fuel used to transport employees and customers to and from the site.

4.7.2 Checklist and Discussion of Impacts

	Potentially Significant Impact	Less Than Significant With Mitigation Incorporated	Less Than Significant Impact	No Impact	Checklist Source(s)
Would the project:					
a) Generate greenhouse gas emissions, either directly or indirectly, that may have a significant impact on the environment?	☐	☐	☒	☐	1,2,9
b) Conflict with an applicable plan, policy or regulation adopted for the purpose of reducing the emissions of greenhouse gases?	☐	☐	☒	☐	1,2,3,9

4.7.2.1 *GHG Impact Assessment (Checklist Question a)*

GHG emissions worldwide contribute, on a cumulative basis, to the significant adverse environmental impacts of global climate change. No single land use project could generate sufficient GHG emissions on its own to noticeably change the global average temperature. The combination of GHG emissions from past, present, and future projects in San José, the entire state of California, and across the nation and around the world, contribute cumulatively to the phenomenon of global climate change and its associated environmental impacts.

The following discussion focuses on whether project emissions represent a cumulatively considerable contribution to climate change as determined by consistency with the City of San José and statewide efforts to curb GHG emissions. The City's projected emissions and the GHG Reduction Strategy are consistent with measures necessary to meet statewide 2020 goals established by AB 32 and addressed in the Climate Change Scoping Plan. As previously noted, projects that are consistent with the City's adopted GHG Reduction Strategy would have a less than significant impact related to GHG emissions.

Construction Emissions

Construction of the proposed project would result in a minor increase in GHG emissions from on-site equipment and emissions from construction workers' personal vehicles traveling to and from the construction site. Construction-related GHG emissions vary depending on the level of activity, length of the construction period, specific construction operations, types of equipment, and number of personnel. Because project construction will be a temporary condition (a total of five months) and would not result in a permanent increase in emissions that would interfere with the implementation of AB32, the temporary increase in emissions would be less than significant. **(Less than Significant Impact)**

Operational Emissions

The proposed project would allow intensification and redevelopment of the site with a replaced car wash, larger convenience store, and new retail/deli building. The project is anticipated to result in a net increase in traffic trips and energy usage compared to the existing site conditions, due primarily to the addition of the new retail/deli use. While this would result in an overall increase in GHG emissions, the majority of the trips to the site would be pass-by trips for vehicles traveling to other

destinations and the project would not be expected to increase vehicle miles traveled due to the project's urban location.

Development of the project will be subject to the City's Green Building Ordinance which will ensure operational emissions reductions consistent with the GHG Reduction Strategy. Consistent with the mandatory measures of the GHG Reduction Strategy, the proposed project would enhance the pedestrian environment with widened sidewalks. The proposed project, therefore, would be consistent with the City's GHG Reduction Strategy and General Plan and would have a less than significant GHG emissions impact. **(Less than Significant Impact)**

4.7.2.2 *Conformance with Applicable Plans (Checklist Question b)*

Consistency with GHG Reduction Strategy

The General Plan contains goals and policies adopted for the purpose of reducing GHG emissions, which center around 5 strategies: energy, waste, water, transportation, and carbon sequestration. These goals and policies are also discussed within the City's GHG Reduction Strategy. Some measures are considered mandatory for all proposed development projects, while others are voluntary. Voluntary measures can be incorporated as mitigation measures for projects at the discretion of the City. Mandatory GHG reduction criteria is detailed below.

1. Consistency with the Land Use/Transportation Diagram (General Plan Goals/Policies ip-1, LU-10)

2. Implementation of Green Building Measures (GP Goals: MS-1, MS-2, MS-14)
   - Solar Site Orientation
   - Site Design
   - Architectural Design
   - Construction Techniques
   - Consistency with City Green Building Ordinance and Policies
   - Consistency with GHG Reduction Strategy Policies: MS-2.3, MS-2.11, and MS-14.4

3. Pedestrian/Bicycle Site Design Measures
   - Consistency with Zoning Ordinance
   - Consistency with GHG Reduction Strategy Policies: CD-2.1, CD-3.2, CD-3.3, CD-3.4, CD-3.6, CD-3.8, CD-3.10, CD-5.1, LU-5.4, LU-5.5, LU-9.1, TR-2.8, TR-2.11, TR-2.18, TR-3.3, TR-6.7)

4. Salvage building materials and architectural elements from historic structures to be demolished to allow re-use (General Plan Policy LU-16.4), if applicable; **Not Applicable**

5. Complete an evaluation of operational energy efficiency and design measures for energy-intensive industries (e.g. data centers) (General Plan Policy MS-2.8), if applicable; **Not Applicable**

6. Preparation and implementation of the Transportation Demand Management Program at large employers (General Plan Policy TR-7.1), if applicable; **Not Applicable**

7. Limit on drive-through and vehicle serving uses; all new uses that serve the occupants of vehicles (e.g. drive-through windows, car washes, service stations) must not disrupt pedestrian flow (General Plan Policy LU-3.6).

Per Criteria 1, the proposed project is consistent with the General Plan designation for the site in the Land Use/Transportation Diagram. Per Criteria 2 and 3, new structures would be constructed in compliance with Municipal Code Chapter 17.84 (Green Building Regulations for Private Development) and California Green Building Standards (CALGreen). Bicycle parking would be provided consistent with San José requirements. Two bicycle parking spaces would be provided as part of the project.

Criteria 4, 5, and 6 are not applicable to the proposed project because the site does not contain historic structures, the project is not an energy-intensive use, and is not a large employer. While the project proposes redevelopment of existing vehicle-serving uses, the project would eliminate a driveway curb cut and includes a dedication of right-of-way for a 15-foot-wide sidewalk (consistent with Criteria 7). There is also adequate queuing space on site for the car wash to avoid disruption of pedestrian flow at the public sidewalks along Berryessa Road and Lundy Avenue.

The following Table 4.7-1 provides a summary of the voluntary GHG Reduction Strategy criteria and describes the proposed project's compliance with each criterion.

Table 4.7-1: Voluntary Greenhouse Gas Reduction Strategy Criteria		
Policies	**Description of Project Measure**	**Project Applicability**
BUILT ENVIRONMENT AND RECYCLING		
Installation of solar panels or other clean energy power generation sources on development sites, especially over parking areas MS-2.7, MS-15.3, MS-16.2	The project does not propose installation of solar panels or other clean energy sources on-site.	☐ Proposed ☒ Not Proposed ☐ Not Applicable
Use recycled water wherever feasible and cost-effective (including non-residential uses outside of the Urban Service Area) MS-17.2, MS-19.4	There are no recycled water lines currently available to the project and there are no large areas of landscaping (such as a playing field) that will require significant levels of irrigation.	☐ Required/ Proposed ☐ Not Proposed ☒ Not Applicable
TRANSPORTATION AND LAND USE		
Have new residential developers build and maintain trails when development occurs adjacent to a designated trail location. PR-8.5, TN-2.7	The project is not a residential project and there are no trails adjacent to the site.	☐ Proposed ☐ Not Proposed ☒ Not Applicable
Promote car share programs to minimize the need for parking spaces TR-8.5	A car share program is not currently proposed as a part of project and no spaces are proposed to be reserved in the parking lot for this use.	☐ Proposed ☒ Not Proposed ☐ Not Applicable
Parking in downtown and urban village overlay areas: avoid the construction of surface parking except as an interim use and use structured parking to fulfill parking requirements. CD-2.11	The project site is located within an Urban Village Overlay area and surface parking is proposed as part of the project.	☒ Surface Parking Proposed ☐ Surface Parking Not Proposed ☐ Not Applicable
Limit parking above code requirements TR-8.4	The proposed number of parking spaces would exceed requirements in the Municipal Code.	☐ Parked at or below Code Requirements ☒ Parked above Code Requirements ☐ Not Applicable
Consider opportunities for reducing parking spaces (including measures such as shared parking, TDM, and parking pricing to reduce demand) TR-8.12	A reduction in parking spaces is not proposed.	☐ Proposed ☐ Project Does Not Propose ☒ Not Applicable

The proposed project is consistent with the existing General Plan land use designation (*Urban Village*) and would comply with applicable mandatory measures of the GHG Reduction Strategy. Therefore, the proposed project is consistent with local policies and programs designed to reduce GHG emissions and impacts would be less than significant.

Consistency with Plan Bay Area

The development assumptions in *Plan Bay Area* are based on the zoning and General Plan land use designations in affect at the time *Plan Bay Area* was developed. The project site is located with the Urban Service Area of San José and is currently designated for commercial development. Because the proposed use is generally consistent with the City's land use assumptions, it would not be inconsistent with efforts to reduce GHG emissions contained in *Plan Bay Area*. **(Less than Significant Impact)**

4.7.3 Conclusion

Development of the proposed project will incorporate measures in applicable policies of the City's General Plan and adopted GHG Reduction Strategy and, therefore would have a less than significant GHG emissions impact. **(Less than Significant Impact)**

4.8 HAZARDS AND HAZARDOUS MATERIALS

The discussion contained within this section is based in part on the information contained within the Phase I Environmental Site Assessment prepared for the project site by Bureau Veritas and dated February 10, 2010; as well as the Hazardous Materials Business Plan prepared by Stantec Consulting Services Inc. and dated April 6, 2015. These reports are included with this Initial Study as Appendix B and Appendix C, respectively.

4.8.1 Environmental Setting

4.8.1.1 *Regulatory Framework*

Hazardous waste generators and users in the City are required to comply with regulations enforced by several federal, state, and local agencies. The regulations are designed to reduce the risk associated with human exposure to hazardous materials and minimize adverse environmental effects. The San José Fire Department coordinates with the Santa Clara County Hazardous Materials Compliance Division to implement the Santa Clara County Hazardous Materials Management Plan and to ensure that commercial and residential activities involving classified hazardous substances are properly handled.

Government Code Section 65962.5 (Cortese List)

The Hazardous Waste and Substances Sites (Cortese List) is a planning document used by the State, local agencies, and developers to comply with CEQA requirements in providing information about the location of hazardous materials release sites. Government Code section 65962.5 requires CalEPA to develop at least annually an updated Cortese List. The Cortese List includes lists maintained by the Department of Toxic Substances Control (DTSC) and the State Water Resources Control Board (SWRCB).[19]

California Division of Occupational Safety and Health

The California Occupational Safety and Health Act of 1970 provides measures that address the safety of construction and industrial workers. The California Occupational Safety and Health Administration (Cal/OSHA) is responsible for enforcing the occupational and public safety laws adopted by the U.S. Department of Labor's Occupational Safety and Health Administration.

Cal/OSHA requires preparation and implementation of an Injury and Illness Prevention Program, which addresses the handling of hazardous materials. Cal/OSHA requires that workers have training and instruction on general and job-specific safety and health practices. A Code of Safety Practices is required to be prepared implementing Cal/OSHA Construction Safety Orders. The Code of Safe Practices is required to be posted at a conspicuous location at each job site office or be provided to each supervisory employee who must have it readily available.

[19] CalEPA. Cortese List. Accessed October 25, 2016. http://www.calepa.ca.gov/sitecleanup/CorteseList/default.htm.

General Plan

The following General Plan policies are specific to hazards and hazardous materials and are applicable to the proposed project.

Policy	Description
EC-6.1	Require all users and producers of hazardous materials and wastes to clearly identify and inventory the hazardous materials that they store, use, or transport in conformance with local, state, and federal laws, regulations, and guidelines.
EC-6.2	Require proper storage and use of hazardous materials and wastes to prevent leakage, potential explosions, fires, or the escape of harmful gases, and to prevent individually innocuous materials from combining to form hazardous substances, especially at the time of disposal by businesses and residences. Require proper disposal of hazardous materials and wastes at licensed facilities.
EC-7.1	For development and redevelopment projects, require evaluation of the proposed site's historical and present uses to determine if any potential environmental conditions exist that could adversely impact the community or environment.
EC-7.2	Identify existing soil, soil vapor, groundwater and indoor air contamination and mitigation for identified human health and environmental hazards to future users and provide as part of the environmental review process for all development and redevelopment projects. Mitigation measures for soil, soil vapor and groundwater contamination shall be designed to avoid adverse human health or environmental risk, in conformance with regional, state and federal laws, regulations, guidelines and standards.
EC-7.9	Ensure coordination with the County of Santa Clara Department of Environmental Health, Regional Water Quality Control Board, Department of Toxic Substances Control or other applicable regulatory agencies, as appropriate, on projects with contaminated soil and/or groundwater or where historical or active regulatory oversight exists.
EC-7.10	Require review and approval of grading, erosion control and dust control plans prior to issuance of a grading permit by the Director of Public Works on sites with known soil contamination. Construction operations shall be conducted to limit the creation and dispersion of dust and sediment runoff.
EC-7.11	Require sampling for residual agricultural chemicals, based on the history of land use, on sites to be used for any development or redevelopment to account for worker and community safety during construction. Mitigation to meet appropriate end use such as residential or commercial/industrial shall be provided.
MS-13.2	Construction and/or demolition projects that have the potential to disturb asbestos (from soil or building material) shall comply with all the requirements of the California Air Resources Board's air toxics control measures (ATCMs) for Construction, Grading, Quarrying, and Surface Mining Operations.

4.8.1.2 *Existing Conditions*

Project Site

The project site was developed with agricultural uses, prior to the development of the current gas station at the site in 1974, which was remodeled in 1999. There are currently three 12,000-gallon, double-walled fiberglass underground gasoline storage tanks (USTs) equipped with electronic leak

detection sensors. Groundwater flows south to southwest at the project site and is located at a depth of approximately 8 to 14 feet bgs.

Leaking Underground Storage Tank Cases

The project site is identified on the SWRCB Geotracker Database due to 2 closed Leaking Underground Storage Tank (LUST) cases (case numbers 06S1E33D01f and 06S1E33D03f), which are described further below.

In 1987, a release of petroleum to soil was identified during removal of three 8,000-gallon USTs and one 500-gallon waste oil tank from the southern portion of the subject property. Approximately 600 cubic yards of soil adjacent to the tanks were removed from the site and disposed of. Initial investigations conducted in 1987 identified total petroleum hydrocarbons-gasoline (TPH-g) and benzene impacts to soil. In December 1994 and July 1995, 6 soil borings were analyzed and no TPH-g, benzene, toluene, ethylbenzene, or xylenes (BTEX) were detected in soil samples, with the exception of a detection of toluene by the former USTs in one soil boring at 15 feet bgs. GeoTracker identifies this LUST case (06S1E33D01f) as being closed, as of July 1996.

In 1999, during renovation activities at the gas station, a release of petroleum to soil was discovered during removal of 4 gasoline dispensers and associated piping. Soil borings found TPH-g, total petroleumhydrocarbon-diesel, ethylbenzene and Methyl tert butyl ether (MTBE) in one soil sample near the former dispensers, at approximately 25 feet bgs. Additionally, three hydraulic hoists were removed and the soil beneath sampled for petroleum hydrocarbons and MTBE, which were not detected.

In May 2000, 10 soil borings were analyzed and neither TPH-g nor BTEX were detected in the soil samples. MTBE was detected in a sample collected near the southern corner of the site at 10 feet bgs. Quarterly groundwater monitoring has been conducted since May 2000. A groundwater extraction and treatment system operated at the site between 2002 and 2005. In 2009, groundwater sampling of 14 onsite groundwater monitoring wells occurred. In general, constituents of concern were not detected, except for TPH-g and MTBE at low concentrations. BTEX and Tert-butyl alcohol were not detected. GeoTracker identified this second LUST case (06S1E33D03f) as closed in 2010.

Other Potential Contaminants

Due to the age of the existing commercial buildings, construction prior to 1978, lead-based paint and asbestos-containing materials (ACMs) may be present. Construction activities that disturb lead-based paint or ACMs require pre-construction surveys and special handling during remodeling and demolition to avoid their release into the environment.

Surrounding Properties

The property to the north, which is upgradient of the project site (across Lundy Avenue), is also developed with a gas station. Chevron #9-6215, located at 1715 Berryessa Road, was identified as having a release of gasoline from a UST impacting groundwater (Case Number 06S1E33D02f) in 1984. Residual contamination in soil and groundwater remains; however, the January/April 2004 quarterly groundwater monitoring found no petroleum hydrocarbons or fuel oxygenates above the laboratory detection limits. GeoTracker identifies this LUST case as being closed in 2005.

4.8.2 Checklist and Discussion of Impacts

	Potentially Significant Impact	Less Than Significant With Mitigation Incorporated	Less Than Significant Impact	No Impact	Checklist Source(s)
Would the project:					
a) Create a significant hazard to the public or the environment through the routine transport, use, or disposal of hazardous materials?	☐	☐	☒	☐	1
b) Create a significant hazard to the public or the environment through reasonably foreseeable upset and accident conditions involving the release of hazardous materials into the environment?	☐	☒	☐	☐	1,13,14
c) Emit hazardous emissions or handle hazardous or acutely hazardous materials, substances, or waste within one-quarter mile of an existing or proposed school?	☐	☐	☐	☒	1
d) Be located on a site which is included on a list of hazardous materials sites compiled pursuant to Government Code Section 65962.5 and, as a result, will it create a significant hazard to the public or the environment?	☐	☐	☒	☐	1,13,14
e) For a project located within an airport land use plan or, where such a plan has not been adopted, within two miles of a public airport or public use airport, will the project result in a safety hazard for people residing or working in the project area?	☐	☐	☒	☐	1
f) For a project within the vicinity of a private airstrip, will the project result in a safety hazard for people residing or working in the project area?	☐	☐	☒	☐	1
g) Impair implementation of, or physically interfere with, an adopted emergency response plan or emergency evacuation plan?	☐	☐	☒	☐	1
h) Expose people or structures to a significant risk of loss, injury or death involving wildland fires, including where wildlands are adjacent to urbanized areas or where residences are intermixed with wildlands?	☐	☐	☒	☐	1

4.8.2.1 *Routine Transport, Use, or Disposal of Hazardous Materials (Checklist Question a)*

The project proposes to construct a new retail/deli building and a larger convenience store than what currently exists, replace the existing car wash, and continue the current gas station use at the site.

Hazardous substances such as fuels, oils, and detergents would continue to be present, similar to the current uses at the site. Materials such as solvents, paints, and fuels could also be utilized during project construction. Compliance with applicable federal, state, and local handling, storage, and disposal requirements would ensure that no significant hazards to the public or the environment are created by the routine transport, use, or disposal of these substances. **(Less than Significant Impact)**

4.8.2.2 *Accidental Release of Hazardous Materials (Checklist Question b)*

Contaminated Soil and Groundwater

Due to the history of past releases of gasoline at the project site and at 1715 Berryessa Road (upgradient of the project site), there is the potential that contaminated soil or groundwater could be disturbed during construction activities. The proposed project could encounter contaminated soils during excavation and grading; subsurface utility installation, maintenance, or repair; landscaping, and building foundation construction. If improperly handled, these activities could result in risks to people and the environment.

Impact HAZ-1: Hazardous materials contamination on the site, if discovered in soil or groundwater, could pose a risk to construction workers and others on or around the project site. **(Significant Impact)**

Mitigation Measures: The following mitigation measures will be implemented prior to the start of ground-disturbing activities to reduce the potential for construction workers or others to encounter hazardous materials contamination.

MM HAZ-1.1: Prior to the issuance of a demolition or grading permit, a site management plan (SMP) shall be prepared and submitted to the Santa Clara County Department of Environmental Health Hazardous Materials Compliance Division to address the impact of disturbance of any residual soil or groundwater contamination. Appropriate soil testing, characterization, storage, transportation, and disposal procedures shall be specified in the SMP. Contaminated soils shall be disposed of at a licensed facility in accordance with appropriate local, state, and federal regulations. The SMP shall also establish management practices for handling contaminated soil or other materials if encountered during demolition and construction activities. The SMP shall be reviewed and approved by the County of Santa Clara Department of Environmental Health and submitted to the City of San José Department of Planning, Building, and Code Enforcement prior to issuance of grading or building permits.

With the implementation MM HAZ-1.1 and adherence to the Cal/OSHA-required Injury and Illness Prevention Program, impacts to construction workers or others in the project vicinity would be less than significant. **(Less than Significant Impact with Mitigation Incorporated)**

Asbestos-Containing Materials

Based on the construction date of the structures on the site, there is a potential for ACMs to be present in building materials. During demolition activities, these materials may create a health risk to construction workers if not properly handled. The following Standard Permit Conditions, based on BAAQMD and Cal/OSHA rules and regulations would ensure that potential impacts to construction workers and others from ACMs would be less than significant.

Standard Permit Conditions: Based on BAAQMD and Cal/OSHA rules and regulations, the following conditions are required to limit impacts to construction workers and others ACMs.

- To identify and quantify ACMs, a building survey, including sampling and testing, shall be completed by a registered asbestos abatement contractor prior to the commencement of demolition activities.
- All potentially friable ACMs shall be removed in accordance with the National Emissions Standards for Hazardous Air Pollutants (NESHAP) guidelines prior to any building demolition that may disturb the materials.
- All demolition activities shall be undertaken in accordance with Cal/OSHA standards, contained in Title 8 of the California Code of Regulations (CCR), Section 1529, to protect workers from exposure to asbestos. Materials containing more than one percent asbestos are also subject to BAAQMD regulations. **(Less than Significant Impact)**

Lead-Based Paint

Based on the construction date of the structures on the site, the structures could contain lead-based paint, which could expose workers and others to potential health risks during demolition activities. The following Standard Permit Conditions, based on Cal/OSHA and other applicable regulations, would ensure that potential impacts to construction workers and others from lead-based paint are less than significant.

Standard Permit Conditions: Based on Cal/OSHA rules and regulations, the following conditions are required to limit impacts to construction workers and others lead-based paint.

- To identify and quantify building materials containing lead-based paint, a building survey, including sampling and testing, shall be completed prior to the commencement of demolition activities.
- During demolition activities, all building materials containing lead-based paint shall be removed in accordance with Cal/OSHA Lead in Construction Standard, Title 8, CCR 1532.1, including employee training, employee air monitoring and dust control.
- Any debris or soil containing lead-based paint or coatings shall be disposed of at landfills that meet acceptance criteria for the waste being disposed. **(Less than Significant Impact)**

4.8.2.3 *Hazardous Emissions or Hazardous Materials near Schools (Checklist Question c)*

The nearest school is Vinci Park Elementary School, which is approximately 0.35 mile north of the project site. There are no existing or proposed schools within 0.25 mile of the site; therefore, there would be no impact. **(No Impact)**

4.8.2.4 *Hazardous Materials Sites (Checklist Question d)*

As described previously, the project site is listed in the Geotracker Database for 2 LUST cases that occurred on the site. The site has undergone remediation and the cases have been closed. The project would implement MM HAZ-1.1 and comply with Cal/OSHA requirements to reduce the potential for exposure to contaminated groundwater or soils. The project, therefore, would not create a significant hazard to the public or the environment as a result of being located on a site which is included on a list of hazardous materials sites compiled pursuant to Government Code Section 65962.5. **(Less than Significant Impact)**

4.8.2.5 *Other Hazards (Checklist Questions e through h)*

The project site is not located within an airport land use plan referral area or wildland fire hazard area. The proposed project would not impair the implementation of, or physically interfere with, an adopted emergency response plan or emergency evacuation plan. **(Less than Significant Impact)**

4.8.3 Conclusion

With implementation of the Standard Permit Conditions and mitigation measures listed above, as well as compliance with all applicable federal, state, and local hazardous materials laws and ordinances, the proposed project would not result in significant hazardous materials impacts. **(Less than Significant Impact with Mitigation)**

4.9 HYDROLOGY AND WATER QUALITY

4.9.1 Environmental Setting

4.9.1.1 *Regulatory Framework*

The federal Clean Water Act and California's Porter-Cologne Water Quality Control Act are the primary laws related to water quality. Regulations set forth by the U.S. Environmental Protection Agency (EPA) and the SWRCB have been developed to fulfill the requirements of this legislation. EPA's regulations include the National Pollutant Discharge Elimination System (NPDES) permit program, which controls sources that discharge pollutants into the waters the United States (e.g., streams, lakes, bays, etc.). These regulations are implemented at the regional level by the water quality control boards, which for the San José area is the San Francisco Bay Regional Water Quality Control Board (RWQCB).

Municipal Regional Stormwater NPDES Permit

Any construction or demolition activity that results in land disturbance equal to or greater than one acre must comply with the Construction General Permit (CGP), administered by the SWRCB. The CGP requires the installation and maintenance of Best Management Practices (BMPs) to protect water quality until the site is stabilized.

Under the provisions of the Municipal Regional Stormwater NPDES Permit (MRP), development projects that create or replace 10,000 square feet or more of impervious surfaces are required to design and construct stormwater treatment controls to treat post-construction stormwater runoff. As of December 1, 2011, provision C.3 of the MRP requires fuel service facilities that create or replace greater than 5,000 square feet of impervious surface to design and install Low Impact Development (LID) controls to treat post-construction stormwater runoff from the site. Examples of LID controls include rainwater harvesting/re-use, infiltration, and biotreatment. If the new/replaced impervious surface will be greater than 50 percent of the pre-project impervious surface area, stormwater treatment for the entire site will be required. If the new/replaced impervious surface for the project will be less than 50 percent of the pre-project impervious surface area, stormwater treatment for only the new/replaced area will be required.

The MRP also requires regulated projects to include measures to control hydromodification impacts where the project would otherwise cause increased erosion, silt pollutant generation, or other adverse impacts to local rivers and creeks. Development projects that create and/or replace 1 acre or more of impervious surface and are located in a subwatershed or catchment that is less than 65% impervious, must manage increases in runoff flow and volume so that post-project runoff shall not exceed estimated pre-project rates and durations. The City's Post-Construction Hydromodification Management Policy (8-14) establishes an implementation framework for incorporating measures to control hydromodification impacts from development projects

Based on its size, location, and land use, the project will not be required to comply with the hydromodification requirements of Provision C.3 of the Municipal Regional Permit.

City of San José Post-Construction Urban Runoff Management (Policy 6-29)

The MRP mandates the City of San José use their planning and development review authority to require that stormwater management measures such as Site Design, Pollutant Source Control, and Treatment measures are included in new and redevelopment projects to minimize and properly treat stormwater runoff.

The City has developed policies that implement Provision C.3 consistent with the Municipal Regional Permit. The City's Post-Construction Urban Runoff Management Policy (6-29) establishes specific requirements to minimize and treat stormwater runoff from new and redevelopment projects. Per the MRP and City Council Policy 6-29, gas stations and car washes are Land Uses of Concern. Source (Pollutant) Control Measures are required for Land Uses of Concern uses regardless of project size. This could include creating a 'treatment train' that includes mechanical filtration of urban runoff prior to release to a LID treatment measure.

Envision City of San José 2040 General Plan

The following General Plan policies are specific to hydrology and water quality and are applicable to the proposed project.

Policy	Description
IN-3.9	Require developers to prepare drainage plans for proposed developments that define needed drainage improvements per City standards.
MS-3.4	Promote the use of green roofs (i.e., roofs with vegetated cover), landscape-based treatment measures, pervious materials for hardscape, and other stormwater management practices to reduce water pollution.
EC-4.1	Design and build all new or remodeled habitable structures in accordance with the most recent California Building Code and municipal code requirements as amended and adopted by the City of San José, including provisions for expansive soil, and grading and stormwater controls.
EC-4.5	Ensure that any development activity that requires grading does not impact adjacent properties, local creeks, and storm drainage systems by designing and building the site to drain properly and minimize erosion. An Erosion Control Plan is required for all private development projects that have a soil disturbance of one acre or more, adjacent to a creek/river, and/or are located in hillside areas. Erosion Control Plans are also required for any grading occurring between October 1 and April 30.
EC-5.7	Allow new urban development only when mitigation measures are incorporated into the project design to ensure that new urban runoff does not increase flood risks elsewhere.
EC-5.16	Implement the Post-Construction Urban Runoff Management requirements of the City's Municipal NPDES Permit to reduce urban runoff from project sites.
ER-8.1	Manage stormwater runoff in compliance with the City's Post-Construction Urban Runoff (6-29) and Hydromodification Management (8-14) Policies.
ER-8.3	Ensure that private development in San José includes adequate measures to treat stormwater runoff.

ER-8.5 Ensure that all development projects in San José maximize opportunities to filter, infiltrate, store and reuse or evaporate stormwater runoff onsite.

4.9.1.2 *Existing Conditions*

Stormwater Drainage

The City of San José Public Works Department operates and maintains the storm drainage system that serves the project site. Currently, the project site is approximately 75 percent impervious (with 32,481 square feet of covered and paved surfaces and 11,284 square feet of landscaping). Stormwater from the site drains to several inlets located within the interior of the site. These inlets connect to a 36-inch stormwater line in Berryessa Road.

Water Quality

The water quality of streams, creeks, ponds, and other surface water bodies can be greatly affected by pollution carried in contaminated surface runoff. Pollutants from unidentified sources, known as non-point source pollutants, are washed from streets, construction sites, parking lots, and other exposed surfaces into storm drains. Urban stormwater runoff often contains contaminants such as oil and grease, plant and animal debris (e.g., leaves, dust, animal feces, etc.), pesticides, litter, and heavy metals. In sufficient concentration, these pollutants have been found to adversely affect the aquatic habitats to which they drain. The nearest waterway to the project site is Penetencia Creek, located 0.10 mile southwest. Coyote Creek is located 0.6 mile southwest.

Groundwater

Groundwater levels typically fluctuate seasonally depending on the variations in rainfall, irrigation from landscaping, and other factors. The depth to groundwater under the site is approximately 8 to 14 feet.[20] The project site is mostly composed of impervious surfaces and does not contribute to the recharging of the groundwater aquifer.

Flooding

The project site is located in Flood Zone X, which is an area of minimal flood hazard and higher than the elevation of the 0.2-percent-annual-chance flood.[21]

Dam Failure

ABAG compiled the dam failure inundation hazard maps submitted to the State Office of Emergency Services by dam owners throughout the Bay Area. The project site is not located in a dam failure inundation hazard zone.[22]

---

[20] Bureau Veritas. P*hase I Environmental Site Assessment, 1705 Berryessa Road, San Josè, California*. February 10, 2010.
[21] Federal Emergency Management Agency. National Flood Hazard Layer. Accessed January 24, 2017. http://fema.maps.arcgis.com/home/webmap/viewer.html?webmap=cbe088e7c8704464aa0fc34eb99e7f30&extent=-121.88620702655062,37.367936536613456,-121.86002866656457,37.3791910545685.
[22] City of San Josè. General Plan FPEIR. September 2011.

Seiches, Tsunamis, and Mudflows

A seiche is an oscillation of the surface of a lake or landlocked sea varying in period from a few minutes to several hours. There are no landlocked bodies of water near the project site that in the event of a seiche will affect the site.

A tsunami or tidal wave is a series of water waves caused by the displacement of a large volume of a body of water, such as an ocean or a large lake. Due to the immense volumes of water and energy involved, tsunamis can devastate coastal regions. The project site does not lie within a tsunami inundation hazard area.[23]

A mudflow is the rapid movement of a large mass of mud formed from loose soil and water. The project site is not susceptible to mudflows.[24]

4.9.2 Checklist and Discussion of Impacts

	Potentially Significant Impact	Less Than Significant With Mitigation Incorporated	Less Than Significant Impact	No Impact	Checklist Source(s)
Would the project:					
a) Violate any water quality standards or waste discharge requirements?	☐	☐	☒	☐	1,2
b) Substantially deplete groundwater supplies or interfere substantially with groundwater recharge such that there will be a net deficit in aquifer volume or a lowering of the local groundwater table level (e.g., the production rate of pre-existing nearby wells will drop to a level which will not support existing land uses or planned uses for which permits have been granted)?	☐	☐	☒	☐	1,2
c) Substantially alter 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 will result in substantial erosion or siltation on-or off-site?	☐	☐	☒	☐	1
d) Substantially alter the existing drainage pattern of the site or area, including through the alteration of the course of a stream or river, or substantially increase the rate or amount of surface runoff in a manner which will result in flooding on-or off-site?	☐	☐	☒	☐	1

[23] California Emergency Management Agency. *Tsunami Inundation Map for Emergency Planning San Francisco Bay Area*. Accessed October 25, 2016. http://www.consrv.ca.gov/cgs/geologic_hazards/Tsunami/Inundation_Maps/Documents/Tsunami_Inundation_SanFranciscoBayArea300.pdf.

[24] County of Santa Clara. *Santa Clara County Geologic Hazard Zones*, Map 12.

	Potentially Significant Impact	Less Than Significant With Mitigation Incorporated	Less Than Significant Impact	No Impact	Checklist Source(s)
Would the project:					
e) Create or contribute runoff water which will exceed the capacity of existing or planned stormwater drainage systems or provide substantial additional sources of polluted runoff?	☐	☐	☒	☐	1
f) Otherwise substantially degrade water quality?	☐	☐	☒	☐	1
g) Place housing within a 100-year flood hazard area as mapped on a Federal Flood Hazard Boundary or Flood Insurance Rate Map or other flood hazard delineation map?	☐	☐	☐	☒	1,8
h) Place within a 100-year flood hazard area structures which will impede or redirect flood flows?	☐	☐	☐	☒	1,8
i) Expose people or structures to a significant risk of loss, injury or death involving flooding, including flooding as a result of the failure of a levee or dam?	☐	☐	☐	☒	1,8,9
j) Inundation by seiche, tsunami, or mudflow?	☐	☐	☐	☒	1,8,10

4.9.2.1 *Water Quality Impacts (Checklist Question a, e, and f)*

Construction Activities

The project would disturb less than 1.0 acre; therefore, compliance with the NPDES General Permit for Construction Activities (including submitting a Notice of Intent to the RWQCB and development a Stormwater Pollution Prevention Plan to control discharge associated with construction activities) is not required.

Construction activities would result in a temporary increase in stormwater pollutants during ground disturbing activities. The project applicant is required to comply with the City of San José Grading Ordinance, including implementation of erosion and dust control during site preparation, and with the City of San José Zoning Ordinance requirements for keeping adjacent streets free of dirt and mud during construction. Compliance would ensure that the level of stormwater pollutants would not be significant.

Standard Permit Conditions: The project would implement the following RWQCB standard construction BMPs listed below as Standard Permit Conditions to reduce stormwater pollutants during construction.

- Restrict grading to the dry season or meet City requirements for grading during the rainy season. Grading during the rainy season requires the applicant to submit an Erosion Control Plan to the Director of Public Works for review and approval.
- Use effective, site-specific erosion and sediment control methods during the construction periods. Provide temporary cover of all disturbed surfaces to help control erosion during construction. Provide permanent cover as soon as is practical to stabilize the disturbed surfaces after construction has been completed.
- Cover soil, equipment, and supplies that could contribute non-visible pollution prior to rainfall events or perform monitoring of runoff. Cover stockpiles with secure plastic sheeting or tarps.
- Implement regular maintenance activities such as sweeping driveways between the construction area and public streets. Clean sediments from streets, driveways, and paved areas on-site using dry sweeping methods. Designate a concrete truck wash-down area.
- Dispose of all wastes properly and keep site clear of trash and litter. Clean up leaks, drips, and other spills immediately so that they do not contact stormwater.
- Place fiber rolls or silt fences around the perimeter of the site. Protect existing storm and sewer inlets in the project area from sedimentation with filter fabric and sand or gravel bags.

Post-Construction

The NPDES MRP requires fuel service facilities that create or replace greater than 5,000 square feet of impervious surface to design and install LID controls to treat post-construction stormwater runoff from the site. The MRP defines LID treatment measures as harvesting and re-use, infiltration, evapotranspiration, or biotreatment. The proposed project would replace over 5,000 square feet of impervious surface, so LID requirements would apply. Additionally, a car wash and a gas station are Land Uses of Concern, which require pollutant control measures regardless of project size. The project proposes to install 2 biofiltration planters on the site as LID control measures.

The project would increase the amount of impervious surfaces by approximately 4,971 square feet (a 12 percent increase) due to the replacement of existing landscape areas with paved surfaces. The project would, however, be required to implement specific requirements to minimize and treat stormwater runoff from new and redevelopment projects, per the MRP and City Council Policy 6-29. Details of specific site design, pollutant source control, and stormwater treatment control measures demonstrating compliance with C.3 of the MRP will be included in the project design, to the satisfaction of the Director of Planning, Building, and Code Enforcement prior to issuance of a development permit. The proposed carwash would be designed to collect all water used in carwash operations and direct any flows not to be re-used (approximately 20%) in the carwash to the sanitary sewer system. For these reasons, the project would not result in substantial additional sources of polluted runoff, nor would it create or contribute runoff water which will exceed the capacity of existing or planned stormwater drainage systems. **(Less than Significant Impact)**

4.9.2.2 *Groundwater (Checklist Question b)*

The project would not substantially deplete groundwater supplies because groundwater would not be used or accessed on the project site. While the proposed project would increase its impervious surface area on site by approximately 12 percent (4,971 square feet), the project site does not

presently contribute to recharging of the groundwater aquifers used for water supply (managed by the Santa Clara Valley Water District) and this condition would not change once development is complete. **(Less than Significant Impact)**

4.9.2.3 *Drainage Patterns (Checklist Question c and d)*

The project would result in an additional 4,971 square feet of paved surfaces. As discussed previously, the project would be required to implement the construction-related Standard Permit Conditions to minimize erosion, as well as post-construction requirements to minimize and treat stormwater runoff (per the NPDES MRP and City Council Policy 6-29). Thus, the project would not substantially alter the existing drainage pattern of the site such that erosion or siltation would occur, nor would the project result in a substantial increase the rate or amount of surface runoff. **(Less than Significant Impact)**

4.9.2.4 *Flooding (Checklist Questions g through i)*

The proposed project would not place structures in a 100-year floodplain or in a dam failure inundation hazard zone; therefore, there would be no impact. **(No Impact)**

4.9.2.5 *Seiches, Tsunamis, and Mudflows (Checklist Question j)*

The project site is not subject to inundation by seiche, tsunami, or mudflow. **(No Impact)**

4.9.3 Conclusion

The proposed project would have a less than significant impact on hydrology and water quality with the incorporation of the Standard Permit Conditions listed above. **(Less than Significant Impact)**

4.10 LAND USE AND PLANNING

4.10.1 Environmental Setting

4.10.1.1 *Regulatory Framework*

Envision San José 2040 General Plan

The project site is designated Urban Village on the General Plan Land Use Map. It is located at the northeastern edge of the Berryessa BART/Berryessa Road/Lundy Avenue Urban Village, a transit village. This Urban Village comprises 250 acres and has a planned capacity of 22,000 jobs and 4,814 housing units. The planned Berryessa BART station is located within this Urban Village.

The Urban Village designation supports a wide variety of commercial, residential, institutional or other land uses with an emphasis on establishing an attractive urban form in keeping with the Urban Village concept. Urban villages are envisioned as walkable, bicycle-friendly, transit-oriented, mixed use settings that provide both housing and jobs, thus supporting the General Plan's environmental goals. Up to 250 dwelling units per acre and a floor area ratio (FAR)[25] of 10.0 is allowed under the Urban Village designation.

Urban Village Plans are intended to guide development in Urban Villages and are prepared through a process established within Chapter 7 Implementation of the General Plan. Zoning and planning entitlement actions should be evaluated for their consistency with the applicable Urban Village Plan in order to determine General Plan consistency. An Urban Village Plan has not yet been prepared for the Berryessa BART/Berryessa Road/Lundy Avenue Urban Village. Urban Village planning for this area is to take place during Horizon 2 of the General Plan implementation.[26]

The following General Plan policies are specific to land use and are applicable to the proposed project.

Policies	Description
CD-1.1	Require the highest standards of architectural and site design, and apply strong design controls for all development projects, both public and private, for the enhancement and development of community character and for the proper transition between areas with different types of land uses.
CD-1.12	Use building design to reflect both the unique character of a specific site and the context of surrounding development and to support pedestrian movement throughout the building site by providing convenient means of entry from public streets and transit facilities where applicable, and by designing ground level building frontages to create an attractive pedestrian environment along building frontages. Unless it is appropriate to the site and context, franchise-style architecture is strongly discouraged.
CD-1.22	Include adequate, drought-tolerant landscaped areas in development and require provisions for ongoing landscape maintenance.
CD-1.23	Further the Community Forest Goals and Policies in this Plan by requiring new

[25] FAR is the ratio of building area divided by site area.
[26] City of San Josè. Growth Areas General Plan 2040. Accessed November 1, 2016. http://www.sanJosèca.gov/DocumentCenter/View/41390.

development to plant and maintain trees at appropriate locations on private property and along public street frontages. Use trees to help soften the appearance of the built environment, help provide transitions between land uses, and shade pedestrian and bicycle areas.

CD-2.3 Enhance pedestrian activity by incorporating appropriate design techniques and regulating uses in private developments, particularly in Downtown, Urban Villages, Main Streets, and other locations where appropriate.

1. Include attractive and interesting pedestrian-oriented streetscape features such as street furniture, pedestrian scale lighting, pedestrian oriented way-finding signage, clocks, fountains, landscaping, and street trees that provide shade, with improvements to sidewalks and other pedestrian ways.
2. Strongly discourage drive-up services and other commercial uses oriented to occupants of vehicles in pedestrian-oriented areas. Uses that serve the vehicle, such as car washes and service stations, may be considered appropriate in these areas when they do not disrupt pedestrian flow, are not concentrated in one area, do not break up the building mass of the streetscape, are consistent with other policies in this Plan, and are compatible with the planned uses of the area.
3. Provide pedestrian connections as outlined in the Community Design Connections Goal and Policies.
4. Locate retail and other active uses at the street level.
5. Create easily identifiable and accessible building entrances located on street frontages or paseos.
6. Accommodate the physical needs of elderly populations and persons with disabilities.
7. Integrate existing or proposed transit stops into project designs.

CD-2.11 Within the Downtown and Urban Village Area Boundaries, consistent with the minimum density requirements of the pertaining Land Use/Transportation Diagram designation, avoid the construction of surface parking lots except as an interim use, so that long-term development of the site will result in a cohesive urban form. In these areas, whenever possible, use structured parking, rather than surface parking, to fulfill parking requirements. Encourage the incorporation of alternative uses, such as parks, above parking structures.

CD-4.9 For development subject to design review, ensure the design of new or remodeled structures is consistent or complementary with the surrounding neighborhood fabric (including but not limited to prevalent building scale, building materials, and orientation of structures to the street).

IP-5.10 Allow non-residential development to proceed within Urban Village areas in advance of preparation of an Urban Village Plan.

San José Zoning Ordinance

The project site is currently zoned Agriculture Planned Development Zoning District A(PD). For this project site, a Planned Development (PD) district has been combined with the base zoning district of Agriculture (A) which incorporates a general development plan for the property. Therefore, the proposed development will be required to conform to the adopted general development plan with standards that preserve and enhance particular characteristics of the neighborhood.

Habitat Conservation Plan/Natural Community Conservation Plan

As described in Section 4.4 Biological Resources, the Santa Clara Valley Habitat Plan (Habitat Plan) encompasses a study area of 519,506 acres. It was adopted by six local entities in Santa Clara County and went into effect in October 2013. The proposed project is a covered activity under the plan and the project site is designated as Urban – Suburban land cover area.

4.10.1.2 *Existing Conditions*

The project site is developed with a commercial gas station, car wash, and a small convenience store/kiosk. Sidewalks and bicycle lanes are located along the site's public street frontages. Surrounding property designated and existing land uses were summarized previously in Table 3.1-2: Designated and Existing Uses Surrounding the Project Site.

4.10.2 Checklist and Discussion of Impacts

	Potentially Significant Impact	Less Than Significant With Mitigation Incorporated	Less Than Significant Impact	No Impact	Checklist Source(s)
Would the project:					
a) Physically divide an established community?	☐	☐	☐	☒	1,2,3
b) Conflict with any applicable land use plan, policy, or regulation of an agency with jurisdiction over the project (including, but not limited to the general plan, specific plan, local coastal program, or zoning ordinance) adopted for the purpose of avoiding or mitigating an environmental effect?	☐	☐	☒	☐	1,2,3
c) Conflict with any applicable habitat conservation plan or natural community conservation plan?	☐	☐	☒	☐	1,9

4.10.2.1 *Established Communities (Checklist Question a)*

The project will not change the existing land use; a gas station with retail and car wash facilities is already located on the project site. The proposed buildings on site would be automobile oriented, portions of the building would be approximately 12 feet taller than the existing structure, and represent a more intense use of the site. The development, however, would not modify surrounding roadways or pedestrian access and would not divide an established community. Therefore, there would be no impact. **(No Impact)**

4.10.2.2 *Consistency with Land Use Plans and Regulations (Checklist Questions b and c)*

Envision San José 2040 General Plan

The proposed project site has a General Plan designation of Urban Village and is located within the Berryessa BART/Berryessa Road/Lundy Avenue Urban Village. This designation is intended to accommodate higher density housing growth along with a significant amount of job growth. The

project proposes to increase the amount and intensity of commercial development on the site, in that the on-site convenience store would increase in size from 544 square feet to 3,212 square feet, and a new 2,490-square-foot retail/deli building would be constructed. The project would increase the site FAR, however the amount is within the allowed FAR of 10.0.

As discussed previously, an Urban Village Plan has not yet been prepared for the Berryessa BART/Berryessa Road/Lundy Avenue Urban Village. However, under General Plan Policy IP-5.10, which allows non-residential development in advance of preparation of an Urban Village Plan, the project would not conflict with General Plan policies related to implementation.

A number of policies in the General Plan address providing or enhancing pedestrian facilities. While the existing vehicle-oriented (i.e. gas station and car wash), pedestrian connections within the larger area would be enhanced through several components of the project. One of the 3 driveways would be eliminated, which would reduce the interruption of pedestrian flow along the Lundy Avenue. On Lundy Avenue and Berryessa Road, a 15-foot-wide sidewalk would be constructed and public right-of-way dedicated as part of the project. These measures would not conflict with pedestrian-oriented policies CD-1.12 and CD-2.3 for site design, including in Urban Village areas. To ensure that project design would reflect both the unique character of a specific site and the context of surrounding development, the project would undergo design review as part of the overall planning process to ensure that the proposed project meets the design requirements of General Plan Policy CD-1.12.

San José Zoning Ordinance

The project proposes a rezoning to a Commercial Neighborhood Planned Development CN(PD). The CN district is intended to provide for neighborhood serving commercial uses without an emphasis on pedestrian orientation except within the context of a single development. The type of development supported by this district includes neighborhood centers, multi-tenant commercial development along city connector and main streets, and small corner commercial establishments. The proposed retail/deli and convenience stores uses are allowed; however, gas stations and car washes are Conditional Uses in the CN zoning district (though both these uses currently exist at the site). The proposed CN(PD) development standards that are different than the CN zoning district development standards are shown in Table 4.10-1.

Table 4.10-1: Proposed Development Standards Compared to CN Zoning Development Standards		
	Proposed	**CN Zoning Development Standards**
Front setback*	50 feet to fueling canopy	10 feet
Interior setback	35 feet	None
Rear setback	10 feet	None
Height	29 feet	50 feet**

*The site frontages are each more than 150 feet; therefore, they are both subject to front yard setback requirements (per Section 20.200.670 of the San José Municipal Code).

**Properties with an Urban Village designation, such as the proposed project site, are allowed a maximum height of 120 feet (per Section 20.85.020 of the San José Municipal Code).

As shown in the table above, the project would meet or exceed the development standards for the CN zoning district. Therefore, there would be no conflict with regulations adopted to avoid environmental effects and any impacts to adjacent land uses would be less than significant.

Land Use Compatibility

Land use conflicts can arise when a new development or land use may cause impacts to persons or the physical environment in the vicinity of the project site or elsewhere. Potential incompatibility may arise from placing a particular development or land use at an inappropriate location, or from some aspect of the project's design or scope.

Residential duplexes border the project site to the east and south. While the car wash is existing and would be rebuilt in approximately the same location, the proposed project would construct new commercial structures with features (specifically at the retail/deli structure) that are approximately 27 feet tall and 10 feet from the adjacent residential property line. These features are staggered to avoid visual effects of a single large façade with the majority of the structure being 21 feet tall and the car wash structure being 16 feet tall. The proposed commercial development proposes only a single ground floor of occupancy and there is no second story with windows or outdoor balconies that might result in privacy or visual intrusion concerns. Additionally, a proposed wall along the residential property lines would help alleviate potential land use compatibility and noise issues associated with commercial activities. This wall varies in height from 8 to 12 feet. The proposed wall and noise sources are discussed in detail in Section 4.12 Noise.

Habitat Conservation Plan/Natural Community Conservation Plan

As described in Section 4.4 Biological Resources, the existing urbanized setting does not conflict with any applicable habitat conservation plan or natural community conservation plan. Additionally, future development allowed under the proposed rezoning would be required to comply with the provisions of the Habitat Plan. **(Less than Significant Impact)**

4.10.3 Conclusion

The project would be consistent with the land use designation and would not result in significant impacts. **(Less Than Significant Impact)**

4.11 MINERAL RESOURCES

4.11.1 Environmental Setting

4.11.1.1 *Regulatory Framework*

4.11.1.2 *Existing Conditions*

Extractive resources known to exist in and near the Santa Clara Valley include cement, sand, gravel, crushed rock, clay, and limestone. Santa Clara County has also supplied a significant portion of the nation's mercury over the past century. Pursuant to the mandate of the Surface Mining and Reclamation Act of 1975 (SMARA), the State Mining and Geology Board has designated the Communications Hill Area (Sector EE), bounded generally by the Union Pacific Railroad, Curtner Avenue, State Route 87, and Hillsdale Avenue as containing mineral deposits which are of regional significance as a source of construction aggregate materials.

Neither the State Geologist nor the State Mining and Geology Board has classified any other areas in San José as containing mineral deposits which are either of statewide significance or the significance of which requires further evaluation. Therefore, other than the Sector EE area cited above, San José does not have known mineral resource deposits. The project site is located outside of the Sector EE area.

4.11.2 Checklist and Discussion of Impacts

	Potentially Significant Impact	Less Than Significant With Mitigation Incorporated	Less Than Significant Impact	No Impact	Checklist Source(s)
Would the project:					
a) Result in the loss of availability of a known mineral resource that will be of value to the region and the residents of the state?	☐	☐	☐	☒	1,2
b) Result in the loss of availability of a locally-important mineral resource recovery site delineated on a local general plan, specific plan or other land use plan?	☐	☐	☐	☒	1,2

4.11.2.1 *Impacts to Mineral Resources (Checklist Questions 1 and 2)*

The project would not result in the loss of availability of a known mineral resource, and no mineral excavation sites are present with the general area. The proposed project, therefore, would not result in impacts to mineral resources. **(No Impact)**

4.11.3 Conclusion

The project would not result in impacts to known mineral resources. **(No Impact)**

4.12 NOISE AND VIBRATION

The discussion in this section is based on a noise report prepared for the project by Extant Acoustical Consulting, LLC on September 9, 2016. This report is provided as Appendix D of this Initial Study.

4.12.1 Environmental Setting

Acceptable levels of noise vary from land use to land use. In any one location, the noise level will vary over time, from the lowest background or ambient noise level to temporary increases caused by traffic or other sources. State and federal standards have been established as guidelines for determining the compatibility of a particular land use with its noise environment.

A decibel (dB) is measured based on the relative amplitude of a sound. Ten on the decibel scale marks the lowest sound level that a healthy, unimpaired human ear can detect. Sound levels in decibels are calculated on a logarithmic basis such that each 10 decibel increase is perceived as a doubling of loudness. The California A-weighted sound level, or dBA, gives greater weight to sounds to which the human ear is most sensitive. L_{max} and L_{eq} are used to define the maximum and average A-weighted noise levels during a measurement period, respectively.

Sensitivity to noise increases during the evening and at night because excessive noise interferes with the ability to sleep. To emphasize quiet-time noise events, the Day/Night Average Sound Level (DNL or L_{dn}) and Community Noise Equivalent Level (CNEL) were developed to measure the average cumulative noise exposure over a 24-hour period. Both DNL and CNEL include a 10 dB addition to noise levels from 10:00 p.m. to 7:00 a.m. to account for human sensitivity to night noise, while CNEL also includes a 5 dB addition to noise generated between 7:00 p.m. and 10:00 p.m.

4.12.1.1 *Regulatory Framework*

Envision San José 2040 General Plan

The General Plan includes the following policies that are specific to noise and vibration and are applicable to the proposed project.

Policies	Description
EC-1.2	Minimize the noise impacts of new development on land uses sensitive to increased noise levels (Land Use Categories 1, 2, 3 and 6 in Table 4.12-1) by limiting noise generation and by requiring use of noise attenuation measures such as acoustical enclosures and sound barriers, where feasible. The City considers significant noise impacts to occur if a project would: • Cause the DNL at noise sensitive receptors to increase by five dBA DNL or more where the noise levels would remain "Normally Acceptable"; or • Cause the DNL at noise sensitive receptors to increase by three dBA DNL or more where noise levels would equal or exceed the "Normally Acceptable" level.
EC-1.3	Mitigate noise generation of new nonresidential land uses to 55 dBA DNL at the property line when located adjacent to existing or planned noise sensitive residential and public/quasi-public land uses.

EC-1.6	Regulate the effects of operational noise from existing and new industrial and commercial development on adjacent uses through noise standards in the City's Municipal Code.
EC-1.8	Allow commercial drive-through uses only when consistency with the City's exterior noise level guidelines and compatibility with adjacent land uses can be demonstrated.

The General Plan considers noise impacts to be significant if a project would increase noise levels at adjacent land uses by 5 dBA or more where noise levels would remain within the "normally acceptable" category or 3 dBA where noise levels would equal or exceed the "normally acceptable" level.

Noise and land use compatibility guidelines set forth in the General Plan are shown below in Table 4.12-1. Based on the General Plan Noise and Land Use Compatibility Guidelines, commercial development is allowed in areas with ambient noise levels up to 70 dBA DNL and is conditionally allowed in areas with noise levels up to 80 dBA DNL

Table 4.12-1: General Plan Noise and Land Use Compatibility Guidelines

Land Use Category	Exterior DNL Value in Decibels					
	55	60	65	70	75	80
1. Residential, Hotels and Motels, Hospitals and Residential Care[1]						
2. Outdoor Sports and Recreation, Neighborhood Parks and Playgrounds						
3. Schools, Libraries, Museums, Meeting Halls, and Churches						
4. Office Buildings, Business Commercial, and Professional Offices						
5. Sports Arena, Outdoor Spectator Sports						
6. Public and Quasi-Public Auditoriums, Concert Halls, and Amphitheaters						

[1]Noise mitigation to reduce interior noise levels pursuant to Policy EC-1.1 is required.

Normally Acceptable:
Specified land use is satisfactory, based upon the assumption that any buildings involved are of normal conventional construction, without any special noise insulation requirements.

Conditionally Acceptable:
Specified land use may be permitted only after detailed analysis of the noise reduction requirements and noise mitigation features included in the design.

Unacceptable:
New construction or development should generally not be undertaken because mitigation is usually not feasible to comply with noise element policies. Development will only be considered when technically feasible mitigation is identified that is also compatible with relevant design guidelines.

City of San José Municipal Code

The City's Municipal Code restricts construction hours within 500 feet of a residential unit to 7:00 a.m. to 7:00 p.m. Monday through Friday, unless otherwise expressly allowed in a Development

Permit or other planning approval.[27] The proposed project is within 500 feet of a residential unit and is therefore subject to this requirement.

The City's Zoning Ordinance also limits commercial and industrial noise levels at any abutting residential property line to 55 dBA, as shown in the following Table 4.12-2.

Table 4.12-2: City of San José Zoning Ordinance Noise Standards

Land Use Types	Maximum Noise Levels at Property Line (dBA)
Residential, open space, industrial or commercial uses adjacent to a property used or zoned for residential purposes	55
Open space, commercial, or industrial use adjacent to a property used for zoned for commercial purposes or other non-residential uses	60
Industrial use adjacent to a property used or zoned for industrial use or other use other than commercial or residential purposes	70

4.12.1.2 *Existing Conditions*

The area has a number of noise influences, the most dominant being traffic noise from Berryessa Road and Lundy Avenue. Commercial uses in the general area contribute to the ambient noise level to a lesser extent. The project area experiences occasional aircraft overflights largely associated with the aviation operations of San José International Airport; which is located approximately 2.5 miles west. The current gas station and car wash use at the site operates 24 hours each.

Noise-sensitive residential receptors within closest proximity to the project study area include the residential duplex units located along the project's western and southern property lines. An existing 5 to 6-foot-tall noise protection barrier is located along these two residential property lines.

An ambient noise survey was conducted from July 5, 2016 through July 11, 2016 to document the ambient noise in the vicinity of the existing gas station and car wash. Two long-term unattended ambient noise measurements (LT-01 and LT-02) were performed and six short-term noise level monitoring measurements (ST-01 to ST-06) were taken. The noise monitoring locations are shown in Figure 4.12-1.

During long-term monitoring, the primary background noise source affecting the monitoring location was vehicular traffic and the existing car wash operations on the project site. Additional noise sources experienced during the long-term noise monitoring period included aircraft over-flights, emergency vehicle pass-bys, and general community noise in the residential neighborhood.

[27] The Municipal Code does not establish quantitative noise limits for demolition or construction activities occurring in the City.

Source: Extant Acoustical Consulting LLC., 9/9/2016.

NOISE MONITORING LOCATIONS

FIGURE 4.12-1

The average day-night (DNL) noise level measured during the long-term ambient noise monitoring survey ranged from approximately 65 to 68 dBA DNL. Overall noise levels measured at the short-term environmental noise monitoring locations ranged from approximately 60 to 71 dBA L_{eq} (equivalent average noise level).

Existing traffic noise levels were also modeled and found to be reasonably consistent with traffic noise measurements conducted at the project site. The modeled traffic noise level exposure at noise-sensitive receivers in the project area range from approximately 63 to 67 dBA DNL.

4.12.2 Checklist and Discussion of Impacts

	Potentially Significant Impact	Less Than Significant With Mitigation Incorporated	Less Than Significant Impact	No Impact	Checklist Source(s)
Would the project result in:					
a) Exposure of persons to or generation of noise levels in excess of standards established in the local general plan or noise ordinance, or applicable standards of other agencies?	☐	☐	☒	☐	1,2,15
b) Exposure of persons to, or generation of, excessive groundborne vibration or groundborne noise levels?	☐	☐	☒	☐	1,2,15
c) A substantial permanent increase in ambient noise levels in the project vicinity above levels existing without the project?	☐	☐	☒	☐	1,2,15
d) A substantial temporary or periodic increase in ambient noise levels in the project vicinity above levels existing without the project?	☐	☐	☒	☐	1,2,15
e) For a project located within an airport land use plan or, where such a plan has not been adopted, within two miles of a public airport or public use airport, will the project expose people residing or working in the project area to excessive noise levels?	☐	☐	☐	☒	1,2
f) For a project within the vicinity of a private airstrip, will the project expose people residing or working in the project area to excessive noise levels?	☐	☐	☐	☒	1,2

Appendix G of the CEQA Guidelines states that a project would normally be considered to have significant noise impacts if noise levels generated by the project conflict with adopted environmental standards or plans or if ambient noise levels at sensitive receptors would be substantially increased over a permanent, temporary, or periodic basis. Consistent with Appendix G, the following applicable criteria was used to evaluate the significance of environmental noise resulting from the project:

- A significant noise impact would be identified if the project would expose persons to or generate noise levels that would exceed applicable noise standards presented in the General Plan or Municipal Code.
- A significant impact would be identified if the project would substantially increase noise levels at sensitive receptors in the vicinity. A substantial increase would occur if: a) the noise level increase is 5 dBA DNL or greater, with a future noise level of less than 60 dBA DNL, or b) the noise level increase is 3 dBA DNL or greater, with a future noise level of 60 dBA DNL or greater.

4.12.2.1 *Operational Noise Impacts (Checklist Questions a and c)*

Noise sources associated with the operation of the proposed project would include people accessing the site for fueling or shopping, and operations of the automated car wash. The hours of operation for the proposed project would remain the same as the current 24-hour operations.

Noise Sources

Car Wash

Operation of the car wash, would constitute the loudest noise level generated as a result of the project. Automated car wash equipment and facilities have several potential noise generating sources associated with their general operation; including pumps, compressors, high-pressure applicators and spray nozzles, scrubbers, and dryers. The majority of the mechanical equipment would be fully enclosed within a mechanical equipment room, inside the car wash tunnel. However, potential noise sources not enclosed within the equipment room would include the high-pressure applicators and spray nozzle manifolds; noise friction of the scrubber, wrap, and brush wash systems; and noise generated from the dryer system.

The dryers are the dominant noise source associated with car wash systems. The modeled car wash operation noise levels include the proposed dryer system manufacturer sound level data.[28] To predict future noise levels resulting from the project, noise levels generated by operation of the proposed car wash were modeled at representative receiver locations. Noise prediction receivers were placed within the noise model, representing noise-sensitive receptors, and locations of key interest (as shown previously in Figure 4.12-1).

Additional Operational Noise

Additional on-site noise levels, not associated with the car wash, generated by the proposed project would include those produced by operations of the gas station, vacuum, air/water stations (located along Lundy Avenue), and people accessing the convenience store or retail/deli uses. The primary noise source associated with the proposed gas station, convenience store and retail operations would be caused by patrons and vehicles accessing the project site, and occasionally, heavy trucks delivering fuel and merchandise. As patrons access the site, the noise generating activities can be generally lumped into “events”. Activities making up a single-event would include the vehicle arrival, limited idling of the vehicle, occupants exiting the vehicle, door closure, conversations among passengers, occupants entering the vehicle, vehicle startup and departure. Also incorporated

[28] The modeled car wash includes the use of a Ryko 3-Fan SlimLine dryer system with incorporated Ryko Quiet-Kit silencer, as well as the proposed eight-foot to 12-foot-tall sound attenuation walls shown in Figure 3.1-4.

into the modeling of gas station operation is the noise generated by the air/water stations and general parking activities across the project site.

Noise Level Conformance

General Plan

The General Plan states that non-residential land uses should mitigate noise generation to meet the 55 dBA DNL guidelines at the property line of existing residential land uses (Policy EC-1.3) and minimize noise impacts of new development on sensitive land uses (Policy 1.2). Based upon the acoustical analysis prepared for the project (Appendix D), the project-related effects on the existing ambient noise environment were calculated to result in a less than 1 dBA DNL increase from existing levels at noise sensitive receptors P-01 and P-02 on River Birch Drive, as shown in Table 4.12-3. Noise levels at residential receivers P-03 through P-06 would decrease (from 63 to 67 dBA DNL to future 53 to 54 dBA DNL). A traffic noise level reduction at these locations would be due to the installation of proposed sound attenuation walls at the property line. The walls would range in height from 8 feet to 12 feet, as shown in Figure 3.1-4. Based on the noise analysis, the project-generated noise levels are not predicted to exceed 55 dBA DNL or to result in an increase of 3 dBA DNL or more in the existing noise environment at noise sensitive receptors. Therefore, the proposed project would not exceed City of San José ambient effect noise thresholds in Policy EC-1.2 or conflict with Policy EC-1.3.

Table 4.12-3: Modeled General Plan Project Noise Level Impact

Site	Location	Noise Level (dBA DNL)				
		Existing Traffic	Project Overall	Existing Plus Project	Effect on Ambient[1]	Impact
P-01	1752 River Birch Drive	65	53	65	< 1	No
P-02	1748 River Birch Drive	64	54	65	< 1	No
P-03	1742 River Birch Drive	64	53	62	-2	No
P-04	1738 River Birch Drive	64	53	60	-4	No
P-05	1681 River Birch Drive	63	54	58	-5	No
P-06	1680 River Birch Drive	67	53	65	-2	No

Notes: dBA = A-weighted decibels; DNL = Day Night noise level.

[1] Negative noise effect on the ambient would be the result of the Ryko Quiet Kit noise-reduction package, installation of an acoustical baffle at the exit of the car wash tunnel, and proposed modifications to the existing property line sound attenuation wall.

Source: Extant Acoustical Consulting, LLC. *Convenience Store, Gas Station, and Car Wash – 1705 Berryessa Avenue*

City of San José Municipal Code

The project proposes inclusion of a Ryko Quiet Kit noise-reduction package, installation of an acoustical baffle at the exit of the car wash tunnel, and modifications to the existing property line acoustical barrier wall, as discussed within the acoustical analysis prepared for the project (Appendix

D). As a result, noise levels generated from the proposed car wash along with additional gas station operations at the residential property lines, would range from 53 to 54 dBA DNL.

With implementation of design features included in the project, operational noise associated with the car wash, deli/retail, convenience store, and gas station, would be within the limits established by the San Josè General Plan and Municipal Code. The project applicant would be required to comply with the following Standard Permit Condition and submit a noise study to the City's Chief Building Official to ensure that the project would not result in noise impacts to adjacent sensitive uses. **(Less than Significant Impact)]**

Standard Permit Condition: The City's Municipal Code limits noise from mechanical and other stationary equipment to 55 decibels at the closest residential property line. Prior to construction, during the design phase of the building, an acoustical study will be required to demonstrate to the City's Chief Building Official that noise emissions from stationary equipment on the new building would conform to the City's requirements. Completion of this study would be required prior to issuance of a building permit.

4.12.2.2 *Construction Noise and Vibration Impacts (Checklist Questions b and d)*

The project proposes to demolish the existing carwash facilities that houses the current car wash equipment room and bathrooms. A new car wash, convenience store, retail/deli structure, and reconfiguration of the existing parking lot, driveway curb cuts, and landscaping would be constructed. The overall duration of construction is anticipated to last five months and would not require extended periods of heavy equipment use. Given the scale and size of the project, and the relatively high ambient noise levels, it is anticipated that the effects of construction noise levels would be reduced to a less-than-significant level with adherence to the City's standard construction hours. Standard Permit Condition.

Standard Permit Conditions: Consistent with the City of San José Municipal Code, construction hours at the project site (which is within 500 feet of residential uses) will be limited to the hours of 7:00 a.m. and 7:00 p.m. weekdays, with no construction on weekends or holidays.

Implementation of this measure would avoid potentially significant construction-related noise and vibration impacts to adjacent residential receptors. Therefore, the proposed project would have a less than significant construction noise impact. **(Less than Significant Impact)**

4.12.2.3 *Areas within Airport Land Use Plan or Private Airstrip (5 and 6)*

The project area experiences occasional aircraft overflights largely associated with the aviation operations of San José International Airport which is located approximately 2.5 miles west of the project site. The site is currently developed as a gas station and the proposed project would continue this use. Though the project site experiences some level of aircraft noise, it is not located within the Airport Influence Area in the Comprehensive Land Use Plan and outside of the airport's 65 dB CNEL noise contour. The proposed project would not be exposed to excessive noise levels from aircraft overflights. **(Less than Significant Impact)**

4.12.3 Conclusion

With construction of the project as proposed along with the implementation of the Standard Permit Condition, the generated noise would not result in significant impacts. **(Less than Significant Impact)**

4.13 POPULATION AND HOUSING

4.13.1 Environmental Setting

4.13.1.1 *Existing Conditions*

The City of San José population was estimated to be approximately 1,016,480 with a total of 327,650 housing units in January 2015.[29] The average number of persons per household in San José was estimated at 3.17[30] and the City has approximately 1.5 employed residents per household.[31] Based on the City's General Plan, the projected population in 2035 would be 1.3 million persons occupying 429,350 households. The city's population is projected to reach 1,216,000 with 401,000 households by the year 2025.[32] The average number of persons per household in San José in 2013 was 3.16 and is projected to decrease slightly to 3.03 by the year 2025. The project site currently employs 2 people.

4.13.2 Checklist and Discussion of Impacts

	Potentially Significant Impact	Less Than Significant With Mitigation Incorporated	Less Than Significant Impact	No Impact	Checklist Source(s)
Would the project:					
a) Induce substantial population growth in an area, either directly (for example, by proposing new homes and businesses) or indirectly (for example, through extension of roads or other infrastructure)?	☐	☐	☒	☐	1,2
b) Displace substantial numbers of existing housing, necessitating the construction of replacement housing elsewhere?	☐	☐	☐	☒	1
c) Displace substantial numbers of people, necessitating the construction of replacement housing elsewhere?	☐	☐	☐	☒	1

4.13.2.1 *Impacts to Population and Housing (Checklist Questions a through c)*

The proposed project would not result in the displacement of people or housing. The proposed project would not directly induce substantial population growth through the provision of new housing or substantial job growth. As discussed further in Section 4.17 Utilities and Service Systems, the extension of new infrastructure is not proposed and, therefore, the project would not indirectly induce

[29] California Department of Finance. *E-5 Population and Housing Estimates for Cities, Counties, and the State, 2011-2015 with 2010 Census Benchmark*. Accessed October 18, 2016. http://www.dof.ca.gov/research/demographic/reports/estimates/e-5/2011-20/view.php.
[30] California Department of Finance. *E-5 Population and Housing Estimates for Cities, Counties, and the State, 2011-2015 with 2010 Census Benchmark*. Accessed October 18, 2016. http://www.dof.ca.gov/research/demographic/reports/estimates/e-5/2011-20/view.php.
[31] Association of Bay Area Governments. *Plan Bay Area Projections 2013*. December 2013.
[32] Center for the Continuing Study of the California Economy, *Projections of Jobs, Populations, and Households for the City of San José*, August 2008. http://www.sanJosèca.gov/DocumentCenter/View/3326.

substantial population growth through the extension of roads or other infrastructure. **(Less Than Significant Impact)**

4.13.3 Conclusion

The proposed project would have a less than significant impact on population and housing. **(Less Than Significant Impact)**

4.14 PUBLIC SERVICES

4.14.1 Environmental Setting

4.14.1.1 *Regulatory Framework*

General Plan

The General Plan includes the following public services policies applicable to the proposed project.

Policies	Description
CD-5.5	Include design elements during the development review process that address security, aesthetics, and safety. Safety issues include, but are not limited to, minimum clearances around buildings, fire protection measures such as peak load water requirements, construction techniques, and minimum standards for vehicular and pedestrian facilities and other standards set forth in local, state, and federal regulations.
ES-3.9	Implement urban design techniques that promote public and property safety in new development through safe, durable construction and publically-visible and accessible spaces.
ES-11	Ensure that adequate water supplies are available for fire-suppression throughout the City. Require development to construct and include all fire suppression infrastructure and equipment needed for their projects

4.14.1.2 *Existing Conditions*

Fire Service

Fire protection to the site is provided by the San José Fire Department (SJFD), which serves a total area of 203 square miles. The SJFD responds to all fires, hazardous materials spills, and medical emergencies (including injury accidents) in the project area. The SJFD currently has 33 fire stations located throughout the City.

The closest station to the project site is Station 5, approximately 1.35 miles west of the project site at 1380 North 10th Street.

Police Service

Police protection services for the site are provided by the San José Police Department (SJPD). Officers patrolling the project area are dispatched from police headquarters located approximately 2.3 miles southwest at 201 West Mission Street.

Schools

The nearest school is Vinci Park Elementary School, which is approximately 0.35 mile north of the project site.

Parks

The nearest park to the project site is Penetencia Creek County Park, located 0.25 mile south.

Libraries

The San José Public Library System consists of one main library (Dr. Martin Luther King Jr., jointly operated with San José State University) and 22 branch libraries. The nearest library to the project site is Educational Park Branch Library, which is approximately 1.5 miles south.

4.14.2 Checklist and Discussion of Impacts

	Potentially Significant Impact	Less Than Significant With Mitigation Incorporated	Less Than Significant Impact	No Impact	Checklist Source(s)
Would the project:					
a) Result in substantial adverse physical impacts associated with the provision of new or physically altered governmental facilities, the need for new or physically altered governmental facilities, the construction of which could cause significant environmental impacts, in order to maintain acceptable service ratios, response times or other performance objectives for any of the public services:					
- Fire Protection?	☐	☐	☒	☐	1
- Police Protection?	☐	☐	☒	☐	1
- Schools?	☐	☐	☐	☒	1
- Parks?	☐	☐	☐	☒	1
- Other Public Facilities?	☐	☐	☐	☒	1

4.14.2.1 *Impacts to Public Services and Facilities (Checklist Question a)*

Fire and Police Protection Services

The demand for fire and police services is not anticipated to change with implementation of the project, which would intensify the amount of retail development at an existing gas station. As discussed in Section 4.8 Hazards and Hazardous Materials, the project would adhere to applicable federal, state, and local regulations related to the use, handling, and storage of hazardous materials. Additionally, the project would be reviewed for compliance with relevant fire and building codes and site lighting is proposed to increase safety at the site. For these reasons, the proposed project would not result in significant impacts to fire and police protection services in the City. **(Less Than Significant Impact)**

Schools, Parks, and Other Public Facilities

The proposed project is not a student-generating use (i.e., housing); therefore, it would not impact schools. The proposed project involves a minor increase in commercial development at an existing gas station and would not increase the use of or otherwise affect local parks or other public facilities (e.g., libraries) in the project area. **(No Impact)**

4.14.3 Conclusion

The proposed project would have a less than significant impact on public services in the City of San José. **(Less Than Significant Impact)**

4.15 RECREATION

4.15.1 Environmental Setting

4.15.1.1 *Existing Conditions*

The City of San José provides parklands, open space, and community facilities for public recreation and community services. Park and recreation facilities vary in size, use and type of service and provide for regional and neighborhood uses. The nearest park to the project site is Penetencia Creek County Park, located 0.25 mile south.

4.15.2 Checklist and Discussion of Impacts

	Potentially Significant Impact	Less Than Significant With Mitigation Incorporated	Less Than Significant Impact	No Impact	Checklist Source(s)
a) Would the project increase the use of existing neighborhood and regional parks or other recreational facilities such that substantial physical deterioration of the facility will occur or be accelerated?	☐	☐	☐	☒	1
b) Does the project include recreational facilities or require the construction or expansion of recreational facilities which might have an adverse physical effect on the environment?	☐	☐	☐	☒	1

4.15.2.1 *Impacts to Recreational Facilities (Checklist Questions a and b)*

The proposed project would not increase usage of existing recreational facilities and would not require the construction or expansion of recreational facilities. **(No Impact)**

4.15.3 Conclusion

The proposed project would not adversely affect recreational facilities in the project area. **(No Impact)**

4.16 TRANSPORTATION/TRAFFIC

The discussion within this section is based in part on the information contained within the traffic study prepared by TJKM and dated April 8, 2016. The analysis is included within this Initial Study as Appendix E.

4.16.1 Environmental Setting

4.16.1.1 *Regulatory Framework*

General Plan

The General Plan includes the following policies for the purpose of avoiding or mitigating impacts resulting from planned development projects, which are applicable to the project.

Policy	Description
TR-1.6	Require that public street improvements provide safe access for motorists and pedestrians along development frontages per current City design standards.
TR-9.1	Enhance, expand and maintain facilities for walking and bicycling, particularly to connect with and ensure access to transit and to provide a safe and complete alternative transportation network that facilitates non-automobile trips.
CD-3.3	Within new development, create a pedestrian friendly environment by connecting the internal components with safe, convenient, accessible, and pleasant pedestrian facilities and by requiring pedestrian connections between building entrances, other site features, and adjacent public streets.

Criteria for Drive-Through Uses – City Council Policy 6-10

They City of San José has established criteria for the analysis of proposed drive-through uses, such as car washes. The criteria address ingress and egress locations, vehicle stacking, and turning movements. The goal of the policy is to ensure that drive-through uses do not impact adjacent uses, intersections, or streets; and do not create safety issues for drivers and pedestrians.

Level of Service Standards – City Council Policy 5-3

As established in City Council Policy 5-3 Transportation Impact Policy (2005), the City of San José uses the same level of service (LOS) method for assessing transportation impacts as the and Santa Clara Valley Transportation Authority's (VTA) Congestion Management Plan, although the City's standard is LOS D rather than LOS E. According to this policy and GP Policy TR-5.3, an intersection impact would be satisfactorily mitigated if the implementation of measures would restore level of service to existing conditions or better, unless the mitigation measures would have an unacceptable impact on the neighborhood or on other transportation facilities (such as pedestrian, bicycle, and transit facilities).[33] The City's Transportation Impact Policy (also referred to as the Level of Service Policy) protects pedestrian and bicycle facilities from undue encroachment by automobiles.

[33] Examples of unacceptable impacts include reducing the width of a sidewalk or bicycle lane below the city standard or creating unsafe pedestrian operating conditions.

4.16.1.2 *Existing Conditions*

Local access to the site is provided by Berryessa Road and Lundy Avenue. Regional access is provided by Interstate 680. Currently, the project site has 3 vehicle access driveway, including one on Berryessa Road and 2 on Lundy Avenue, one of which would be removed as part of the project. Pedestrian access to the site is provided by sidewalks on both Berryessa Road and Lundy Avenue. Class II Bike lanes are provided in both directions along the Berryessa Road, Lundy Avenue, Flickinger Avenue, North Jackson Avenue, and Mabury Road near the project site.

Trip generation for the existing uses at the site was estimated using Institute of Transportation Engineer's (ITE) Trip Generation Manual, 9th Edition. Consistent with the ITE trip generation rates for the existing gasoline station, convenience store/kiosk, and carwash, it is estimated the uses generate 1,348 daily trips, with 40 trips occurring during the AM peak hour and 82 trips occurring during the PM peak hour.[34]

As summarized in the following Table 4.16-1, the traffic study prepared for the project found that all the study intersections currently operate within applicable jurisdictional standard of City of San José LOS D or better, and VTA's Congestion Management Program (CMP) standard of LOS E or better during the AM and PM peak hours.

Table 4.16-1: Existing LOS at Project Study Intersections

Intersection	Peak Hour*	Existing Conditions	
		Average Delay	LOS
Berryessa Road Lundy Avenue*	AM	43.60	D
	PM	45.30	D
Berryessa Road/Flickinger Avenue	AM	38.70	D+
	PM	35.60	D+
North King Road/Mabury Road	AM	40.40	D
	PM	39.40	D
Lundy Avenue/ Sierra Road	AM	29.90	C
	PM	22.30	C+

* 7:00 a.m. and 9:00 a.m. and 4:00 p.m. and 6:00 p.m.
** Denotes CMP intersection with an LOS E standard.

[34] A Pass-by Trip Discount was applied to the existing trip generation rates consistent with the ITE Trip Generation Manual recommendations. Pass-by trips are made as intermediate stops on the way from an origin to a primary trip destination without a route diversion. Pass-by trips are attracted from traffic passing the site on an adjacent street or roadway that offers direct access to the generator. Pass-by trips are not diverted from another roadway.

4.16.2 Checklist and Discussion of Impacts

	Potentially Significant Impact	Less Than Significant With Mitigation Incorporated	Less Than Significant Impact	No Impact	Checklist Source(s)
Would the project:					
a) Conflict with an applicable plan, ordinance or policy establishing measures of effectiveness for the performance of the circulation system, taking into account all modes of transportation including mass transit and non-motorized travel and relevant components of the circulation system, including but not limited to intersections, streets, highways and freeways, pedestrian and bicycle paths, and mass transit?	☐	☐	☒	☐	1,15
b) Conflict with an applicable congestion management program, including, but not limited to level of service standards and travel demand measures, or other standards established by the county congestion management agency for designated roads or highways?	☐	☐	☒	☐	1,15
c) Result in a change in air traffic patterns, including either an increase in traffic levels or a change in location that results in substantial safety risks?	☐	☐	☐	☒	1,2
d) Substantially increase hazards due to a design feature (e.g., sharp curves or dangerous intersections) or incompatible land uses (e.g., farm equipment)?	☐	☐	☒	☐	1
e) Result in inadequate emergency access?	☐	☐	☐	☒	1
f) Conflict with adopted policies, plans, or programs regarding public transit, bicycle, or pedestrian facilities, or otherwise decrease the performance or safety of such facilities?	☐	☐	☒	☐	1,15

4.16.2.1 *Project Transportation Impacts (Checklist Questions a, b and d)*

US-101/Oakland/Maybury Transportation Development Policy

This project is subject to the City's US-101/Oakland/Mabury Transportation Development Policy. The policy requires new residential and commercial development that generate vehicular trips at either of the Policy Interchanges to pay a Traffic Impact Fee (TIF) towards the upgrade of US-101/Oakland Interchange and construction of US-101/Mabury Interchange. The addition of project traffic would add approximately three peak hour trips through the US-101/Oakland intersection which are subject to the TIF rate per peak hour trip.

Standard Permit Condition: The project shall conform to the US-101/Oakland/Mabury Transportation Policy. This fee is subject to an annual escalation on January 1st per the Engineering News-Record Construction Cost Index for San Francisco.

Trip Generation and LOS Impacts

The proposed commercial development project is projected to serve a net increase of 4,775 daily trips, including pass-by trips. The majority of project trips are anticipated to be pass-by trips generated by vehicles traveling between other destinations and passing the site under "without project" conditions. The project is forecasted to generate 65 net new vehicle trips during the AM peak hour and 21 net new vehicle trips during the PM. peak hour. The net peak hour trip generation forecast includes discounts for existing site use and retail peak hour pass-by trip reduction, as per the ITE Trip Generation Manual, 9th Edition.

The project trips were assigned to intersections in the project area based on the existing travel patterns, knowledge of the study area, and in consultation with the City of San José staff. The intersection LOS analysis results are summarized in Table 4.16-2. All project intersections would operate within applicable jurisdictional standards of City of San José (LOS D) and the VTA CMP (LOS E) or better during the AM and PM peak hours. Therefore, the project is would have a less than significant impact at all 4 study intersections.

Vehicle Circulation

The proposed project's access would occur via 2 driveways: one on Lundy Avenue and other one on Berryessa Road. The proposed access on Lundy Avenue is approximately 200 feet to the north of the intersection of Berryessa Road/Lundy Avenue and would have a right-in/right-out access. The proposed access on Berryessa Road is approximately 100 feet to the west of the intersection of Berryessa Road/Lundy Avenue and would also have a right-in/right-out access. The access driveways are expected to be adequate for passenger vehicles accessing the site and the project driveways are expected to operate at an acceptable LOS.

Internal circulation (for vehicles, refueling trucks, delivery trucks and emergency vehicles) would accommodate 2-way travel. Emergency vehicles can access the project via both the existing driveways. The proposed garbage pickup accessible for garbage trucks. Small delivery vehicles for the convenience store and deli will be able to use the parking stalls in front of the stores; larger vehicles will be able to use the circulation area or unused fueling positions. Overall, the proposed on-site vehicle circulation would not result in any traffic operations issues on site that would result in significant impacts on City streets. For these reasons, the project would not substantially increase hazards due to a design feature or incompatible land uses, nor would it result in inadequate emergency access.

Queuing

A vehicle queuing and storage analysis was conducted for exclusive left turn pockets at the study intersections where project traffic is added under Existing plus Project Conditions.

Table 4.16-2: Intersection LOS Summary													
Intersection	**Peak Hour**	**Existing Conditions**		**Existing plus Project Conditions**		**Background Conditions**		**Background Plus Project Conditions**		**Cumulative Conditions**		**Cumulative Plus Project Conditions**	
		Average Delay	**LOS**	**Average Delay**	**LOS**	**Average Delay**	**LOS**	**Average Delay**	**LOS**	**Average Delay**	**LOS**	**Average Delay**	**LOS**
Berryessa Road/ Lundy Avenue*	AM	43.60	D	44.00	D	48.00	D	48.70	D	49.70	D	50.60	D
	PM	45.30	D	45.40	D	50.10	D	50.20	D	51.60	D-	51.70	D-
Berryessa Road/ Flickinger Avenue	AM	38.70	D+	38.60	D+	39.30	D	39.30	D	39.70	D	39.70	D
	PM	35.60	D+	35.60	D+	35.40	D+	36.20	D+	36.50	D+	36.50	D+
North King Road/Mabury Road	AM	40.40	D	40.50	D	43.10	D	43.20	D	43.80	D	43.90	D
	PM	39.40	D	39.40	D	42.80	D	42.80	D	43.70	D	43.80	D
Lundy Avenue/ Sierra Road	AM	29.90	C	29.90	C	29.60	C	29.60	C	29.80	C	29.70	C
	PM	22.30	C+	22.30	C+	23.10	C	23.10	C	23.70	C	23.70	C
* Denotes CMP intersection with an LOS E standard													

Queue lengths at some locations would exceed capacity creating a deficient condition; however, the project would add less than 2 vehicles to the average design queue length. The proposed project would not create a significant safety impact on the expected left-turn or right-turn queues at the study intersections.

Consistency with Council Policy 6-10

The project proposes to replace the existing drive-through car wash on the site with a new car wash facility. The proposed project would not conflict with the City of San José José's Drive-Through Uses Policy as described in Table 4.16-3.

Table 4.16-3: Council Policy 6-10 Analysis

Criterion	Project Consistency
Primary ingress and egress to drive-through type use parking lots should be from at least a four-lane major street	Lundy Avenue has two lanes in each direction Berryessa Road has three lanes. The proposed project is consistent with this criterion.
The drive-through stacking lane shall be located in a way so that any overflow from the stacking lane will not spill out onto public streets or major aisles of any parking lot.	The proposed on-site stacking lane would accommodate 100 percent of the required stacking; thus, the proposed project is consistent with this criterion.
No ingress and egress points shall conflict with turning movements of street intersections	Consistent with the criterion, the turning movements at the nearby intersection of Lundy Avenue/ Berryessa Road would not interfere with the operation of the intersection.
No drive-through use shall be approved with ingress or egress driveways within 300 feet of a signalized intersection operating at a LOS D, E, or F unless a traffic analysis demonstrates that vehicles will not impair the efficiency or operation of the intersection	The proposed ingress and egress points to the project site are within 300 feet of the intersection of Lundy Avenue/Berryessa Road. As described previously and in Appendix E: Traffic Impact Analysis, the proposed project trips would not significantly impact the operation of the intersection of Lundy Avenue/Berryessa Road (which is consistent with this criterion).
The drive-through stacking lane shall be separated physically from the user's parking lot and shall have a capacity of five cars per lane and pedestrian crossing of the drive-through lane shall be allowed.	The project proposes to provide stacking capacity for five vehicles without intruding into the on-site parking lot. No pedestrian crossing of the drive-through lane is proposed. Thus, the project is consistent with this criterion.
Proposed drive-through uses at or near signalized intersections may compound existing traffic congestion and make it intolerable even if the intersection meets the Transportation LOS Policy. In these situations, proposed drive-through uses should be discouraged.	Based on the trip generation and traffic analysis conducted for the project, the proposed project trips would not result in substantial delays (congestion) or the adverse effects on the operation of the intersection of Lundy Avenue/ Berryessa Road. As a result, the project is consistent with this criterion.
Source: TJKM. *Traffic Impact Analysis Report – 1705 Berryessa Road Gas Station.* April 8, 2016.	

The project would not result in significant intersection delays or inadequate circulation. Additionally, the project is consistent with City Council Policy 6-10 and the Standard Permit Condition requires payment of the Traffic Impact Fee. As a result, impacts would be less than significant. **(Less Than Significant Impact)**

4.16.2.2 *Air Traffic Patterns (Checklist Question c)*

The project site is not located within the Norman Y. Mineta San José International Airport influence area or safety zones and does not require Federal Aviation Administration airspace review. The project would not result in changes in air traffic patterns. **(No Impact)**

4.16.2.3 *Emergency Response (Checklist Question e)*

The proposed project would not interfere with emergency response access on adjacent public roads. The project would not result in inadequate emergency access to the project site itself. **(No Impact)**

4.16.2.4 *Transit, Pedestrian, and Bicycle Facilities (Checklist Question f)*

An impact to pedestrians occurs if the proposed project disrupts existing pedestrian's facilities; or conflicts with planned pedestrian facilities or adopted pedestrian system plans, guidelines, policies, or standards. The project proposes to construct a 15-foot-wide sidewalks along Berryessa Road. A pedestrian walkway from Berryessa Road to the proposed convenience store and retail/deli building is also proposed. Thus the proposed project will not result in significant impacts to existing or planned pedestrian facilities in the immediate vicinity of the project.

Bicycle access to the project site is provided via existing Class II Bike lanes along the Berryessa Road, Lundy Avenue. The proposed project would not disrupt existing bicycle facilities or result in conflicts with planned facilities. The project would remove a driveway on Lundy Avenue, thus creating a safer condition for bicyclists. Therefore, the impact to bicycle facilities is less than significant.

The proposed project will generate very few trips via transit services, which can be accommodated by the existing transit capacity and hence the project is anticipated to have a less than significant impact on transit facilities. **(Less than Significant Impact)**

4.16.3 <u>Conclusion</u>

The proposed project would have a less than significant transportation impact. **(Less than Significant Impact)**

4.17 UTILITIES AND SERVICE SYSTEMS

4.17.1 Environmental Setting

4.17.1.1 *Regulatory Framework*

General Plan

The proposed project would be subject to the utilities and services policies of the City's General Plan, including the following.

Policy	Description
MS-3.1	Require water-efficient landscaping, which conforms to the State's Model Water Efficient Landscape Ordinance, for all new commercial, institutional, industrial, and developer-installed residential development unless for recreation needs or other area functions.
MS-3.2	Promote use of green building technology or techniques that can help to reduce the depletion of the City's potable water supply as building codes permit.
MS-3.3	Promote the use of drought tolerant plants and landscaping materials.
IN-3.3	Meet the water supply, sanitary sewer and storm drainage level of service objectives through an orderly process of ensuring that, before development occurs, there is adequate capacity. Coordinate with water and sewer providers to prioritize service needs for approved affordable housing projects.
IN-3.5	Require development which will have the potential to reduce downstream LOS to lower than "D", or development which would be served by downstream lines already operating at a LOS lower than "D", to provide mitigation measures to improve the LOS to "D" or better, either acting independently or jointly with other developments in the same area or in coordination with the City's Sanitary Sewer Capital Improvement Program.
IN-3.7	Design new projects to minimize potential damage due to stormwaters and flooding to the site and other properties.
IN-3.9	Require developers to prepare drainage plans that define needed drainage improvements for proposed developments per City standards.

California Green Building Standards Code

In January 2010, the State of California adopted the California Green Building Standards Code that establishes mandatory green building standards for all buildings in California. The code covers 5 categories: planning and design, energy efficiency, water efficiency and conservation, material conservation and resource efficiency, and indoor environmental quality. These standards include a mandatory set of guidelines, as well as more rigorous voluntary measures, for new construction projects to achieve specific green building performance levels:

- Reducing indoor water use by 20 percent;
- Reducing wastewater by 20 percent;
- Recycling and/or salvaging 50 percent of nonhazardous construction and demolition debris; and
- Providing readily accessible areas for recycling by occupant.

San José Zero Waste Strategic Plan/Green Vision

The Green Vision provides a comprehensive approach to achieve sustainability through new technology and innovation. The Zero Waste Strategic Plan outlines policies to help the City of San José foster a healthier community and achieve its Green Vision goals, including 75 percent diversion by 2013 and zero waste by 2022. The Green Vision also includes ambitious goals for economic growth, environmental sustainability and an enhanced quality of life for San José residents and businesses.

Private Sector Green Building Policy

The City of San José's Green Building Policy for private sector new construction encourages building owners, architects, developers, and contractors to incorporate meaningful sustainable building goals early in building design process. This policy establishes baseline green building standards for private sector new construction and provides a framework for the implementation of these standards. It is also intended to enhance the public health, safety and welfare of San José residents, workers, and visitors by fostering practices in the design, construction, and maintenance of buildings that will minimize the use and waste of energy, water and other resources in the City of San José.

Construction and Demolition Diversion Program

More than 30 percent of landfill waste is construction and demolition debris. The Construction and Demolition Diversion program ensures that at least 75 percent of this waste is recovered and diverted from landfills. Projects are required to comply with this program to receive either a Certificate of Final Occupancy or a refund if a deposit is paid.

4.17.1.2 *Existing Conditions*

Water Service

Potable water service to the project site is provided by the San José Water Company. The water provided comes from a mix of imported surface water and groundwater. It is estimated that the existing uses on site use approximately 4,360 gallons of water per day (gpd).[35,36,37]

Sanitary Sewer/Wastewater Treatment

Sanitary sewer lines in the area are owned and maintained by the City of San José. Wastewater from the project area is treated at the San José/Santa Clara Regional Wastewater Facility (RWF) in Alviso. The RWF has a capacity to treat 167 million gpd of sewage during dry weather flow.[38] In 2015, the

[35] URS. *SFPUC Demand Study: Projected Water Usage for Bay Area Water Supply and Conservation Agency*. Technical Memo. August 2006. 544 square feet(0.13 gpd square foot)=71 gpd

[36] San Josè Mercury News. *California Drought: Tips for Conserving Water*. Accessed October 27, 2016. http://www.mercurynews.com/2014/01/20/california-drought-tips-for-conserving-water/. 35,000 gallons water (11.3)=35,011/365 days per year = 1,083 gpd.

[37] International Carwash Association. *Water Use in the Professional Carwash Industry*. September 2002. Water used by car washes is 22,444 gallons per week or 3,206 gpd.

[38] City of San José. Water Pollution Control Capital Program 2016-2020 - Adopted Capital Improvement Program. Accessed October 27, 2016. http://www.sanJoséca.gov/DocumentCenter/View/46177.

RWF's average dry weather influent flow was 108 millions of gallons per day (mgd).[39] The resulting fresh water from the RWF is discharged to the South San Francisco Bay or delivered to the South Bay Water Recycling Project for distribution. The City's share of the RWF's treatment capacity is 108.6 mgd, which leaves the City with approximately 38.8 mgd of excess treatment capacity.[40]

The City of San José owns and maintains the sanitary sewer system which serves the project site. The proposed project would connect to an 8-inch sewer line in Lundy Avenue. It is estimated that the existing uses at the site currently generate 712 gallons of wastewater each day.[41]

Storm Drainage System

The City of San José owns and maintains the storm drainage system which serves the project site. The proposed project would connect to a 36-inch line in Berryessa Road that drains to Upper Penetencia Creek.

Solid Waste

Waste collection and recycling services are available to businesses from private companies franchised by the City of San José. The total permitted landfill capacity of the five operating landfills in the City is approximately 5.3 million tons per year with disposal capacity through 2022. It is estimated that the existing site produces 17 pounds of solid waste per day. [42]

4.17.2 Checklist and Discussion of Impacts

	Potentially Significant Impact	Less Than Significant With Mitigation Incorporated	Less Than Significant Impact	No Impact	Checklist Source(s)
Would the project:					
a) Exceed wastewater treatment requirements of the applicable Regional Water Quality Control Board?	☐	☐	☒	☐	1
b) Require or result in the construction of new water or wastewater treatment facilities or expansion of existing facilities, the construction of which could cause significant environmental effects?	☐	☐	☒	☐	1,9
c) Require or result in the construction of new stormwater drainage facilities or expansion of existing facilities, the construction of which could cause significant environmental effects?	☐	☐	☒	☐	1,2,9

[39] City of San José. Clean Bay Strategy Reports. Accessed October 27, 2016. http://www.sanJoséca.gov/ArchiveCenter/ViewFile/Item/1629.
[40] City of San José. General Plan FPEIR. September 2011. Page 648.
[41] International Carwash Association. *Water Use in the Professional Carwash Industry*. September 2002.
[42] California Integrated Waste Management Board. *Estimated Solid Waste Generation Rates for Commercial Establishments*. Accessed October 27, 2016. http://www.ciwmb.ca.gov/wastchar/WasteGenRates/WGCommer.htm. 3.12 pounds waste per day/5.4 existing square feet = 17 pounds/day waste generated.

	Potentially Significant Impact	Less Than Significant With Mitigation Incorporated	Less Than Significant Impact	No Impact	Checklist Source(s)
Would the project:					
d) Have sufficient water supplies available to serve the project from existing entitlements and resources, or are new or expanded entitlements needed?	☐	☐	☒	☐	1,2,9
e) Result in a determination by the wastewater treatment provider which serves or may serve the project that it has adequate capacity to serve the project's projected demand in addition to the provider's existing commitments?	☐	☐	☒	☐	1,2,9
f) Be served by a landfill with sufficient permitted capacity to accommodate the project's solid waste disposal needs?	☐	☐	☒	☐	1,2,9

4.17.2.1 *Water Services Impacts (Checklist Question b & d)*

The project proposes to demolish a small convenience store/kiosk and construct a new, larger store and construct a new retail/deli structure. Existing car wash facilities would be demolished and replaced with new facilities. While the new facilities would likely be more water efficient than the older aging equipment that would be removed, water demand was assumed to stay the same. Additionally, the proposed project would decrease the amount of irrigated landscaping on the site from 11,284 square feet to 6,221 square feet, using approximately 479 fewer gpd of water on site. The new landscaping to be planted includes only low and medium water requiring species. Therefore, it is estimated that the proposed project would require approximately 192 additional gpd of water. [43]

An estimated 192 gpd increase in water demand associated with the proposed retail deli use is relatively minor and would not exceed available or projected water supplies. Additionally, the project is consistent with the General Plan designation for the site. The General Plan FPEIR found that development under the General Plan would not require the construction of a new water facilities or expansion of existing facilities. Thus, impact would be less than significant. **(Less than Significant Impact)**

4.17.2.2 *Wastewater Services Impacts (Checklist Questions a, b, and e)*

It is estimated that the proposed project would produce approximately 537 additional gpd of sewage at the project site (as a result of the enlarged convenience store and new retail/deli use, assuming 80 percent of the water used would be discharged to sewer lines). The proposed carwash would continue to recycle and reuse approximately 80 percent of its water during operation, resulting in 641

[43] URS. *SFPUC Demand Study: Projected Water Usage for Bay Area Water Supply and Conservation Agency*. Technical Memo. August 2006. 2,490 square feet (retail/deli)+2,668 square feet (net new store)=5,158 square feet (0.13 gpd/square foot)=671 gpd new water demand – (5.0 landscape decrease (35,000 gallons per year))=175,000/365=479 gpd. 671 gpd – 479 gpd = 192 gpd increase in water demand(.85)=163 gpd increase in sewer demand.

gallons of wastewater per day, consistent with current conditions. Wastewater produced from the carwash will continue to be directed into the sanitary sewer system. The General Plan FPEIR found that wastewater generated by development under the General Plan would not exceed the City's allocated capacity at the RWF. The project is consistent with the General Plan; thus, the project's increase of 537 gpd of sewage over current conditions would not exceed wastewater treatment requirements of RWQCB nor would it exceed the capacity requirements of the RWF, such that construction of new wastewater treatment facilities or expansion of existing facilities would be required. Therefore, the impact on existing wastewater services is less than significant. **(Less than Significant Impact)**

4.17.2.3 *Storm Drainage Impacts (Checklist Question c)*

As discussed in Section 4.9, Hydrology and Water Quality, the proposed project would connect to the existing 36-inch storm drain line on Berryessa Road. The project would increase the quantity of impervious surfaces on site by 5,063 square feet (approximately 12 percent). The result of this change would be an incremental increase in the amount of stormwater runoff from the project site compared to existing conditions. General Plan FPEIR found that although new development could increase impervious surfaces, planned improvements to the City's storm drainage system would not result in significant environmental impacts. **(Less than Significant Impact)**

4.17.2.4 *Solid Waste Impacts (Checklist Question f)*

Additional solid waste would be generated at the project site as a result of the new, larger convenience store and deli/retail uses. It is estimated that the new square footage would generate an additional 161 pounds of solid waste per day at the site.[44] Based upon the analysis contained within the City's General Plan FPEIR, the increase in waste generated by full buildout under the General Plan (including the proposed project) would not cause the City to exceed the capacity of existing landfills that serve the City. The proposed project is consistent with the General Plan; thus, the project would have a less than significant impact on solid waste disposal capacity. **(Less than Significant Impact)**

4.17.3 <u>Conclusion</u>

The project would not result in a utility or service facility exceeding current capacity to require the construction of new facilities or expansion of existing facilities. **(Less than Significant Impact)**

[44] California Integrated Waste Management Board. *Estimated Solid Waste Generation Rates for Commercial Establishments*. Accessed October 27, 2016. http://www.ciwmb.ca.gov/wastchar/WasteGenRates/WGCommer.htm. 3.12 pounds waste per day/51.6 existing square feet = 161 pounds/day waste generated.

4.18 MANDATORY FINDINGS OF SIGNIFICANCE

		Potentially Significant Impact	Less Than Significant With Mitigation Incorporated	Less Than Significant Impact	No Impact	Checklist Source(s)
a)	Does the project have the potential to degrade the quality of the environment, substantially reduce the habitat of a fish or wildlife species, cause a fish or wildlife population to drop below self-sustaining levels, threaten to eliminate a plant or animal community, reduce the number or restrict the range of a rare or endangered plant or animal or eliminate important examples of the major periods of California history or prehistory?	☐	☒	☐	☐	1-15
b)	Does the project have impacts that are individually limited, but cumulatively considerable? ("Cumulatively considerable" means that the incremental effects of a project are considerable when viewed in connection with the effects of past projects, the effects of other current projects, and the effects of probable future projects)?	☐	☐	☒	☐	1-15
c)	Does the project have the potential to achieve short-term environmental goals to the disadvantage of long-term environmental goals?	☐	☐	☒	☐	1-15
d)	Does the project have environmental effects which will cause substantial adverse effects on human beings, either directly or indirectly?	☐	☐	☒	☐	1-15

4.18.1 Project Impacts (Checklist Question a)

The project could result in impacts to buried cultural resources, should they be discovered on site. The project could also result in impacts to migratory birds if they are present in trees located on or immediately adjacent to the project site. With the implementation of the mitigation and avoidance measures and Standard Permit Conditions included in the project and described in Section 4 Environmental Setting, Checklist, and Discussion of Impacts, the proposed project would not result in significant environmental impacts to biological or cultural resources.

4.18.2 Cumulative Impacts (Checklist Question b)

Under Section 15065(a)(3) of the CEQA Guidelines, a lead agency shall find that a project may have a significant effect on the environment where there is substantial evidence that the project has potential environmental effects "that are individually limited, but cumulatively considerable." As defined in Section 15065(a)(3) of the CEQA Guidelines, cumulatively considerable means "that the incremental effects of an individual project are significant when viewed in connection with the

effects of past projects, the effects of other current projects, and the effects of probable future projects."

The project would not impact agricultural, forestry, mineral, population and housing, or recreational resources. Therefore, the project would not contribute to cumulative impacts to these resources.

There are no planned or proposed developments in the immediate project site vicinity that could contribute to cumulative aesthetic and noise and vibration impacts.

The project's geology and soils, hazardous materials, and hydrology and water quality impacts are specific to the project site and would not contribute to cumulative impacts elsewhere. Implementation of the project would marginally contribute to global GHG emissions, by definition. However, as discussed in Section 3.7 Greenhouse Gas Emissions, the project's GHG emissions would have a less than significant (cumulative) GHG impact. The project's cumulative impacts on GHG emissions is discussed in Section 3.7, and it was concluded that the project would have a less than significant (cumulative) greenhouse gas emissions impact.

The project would emit criteria air pollutants and GHG emissions and contribute to the overall regional and global emissions of such pollutants. By its very nature, air pollution is largely a cumulative impact. The project-level thresholds identified by BAAQMD (which the project's impacts were compared to in Section 3.3) are the basis for determining whether a project's individual impact is cumulatively considerable, resulting in significant adverse air quality impacts to the region's existing air quality conditions. As discussed in Section 3.3, the project would have a less than significant impact on air quality. For this reason, the project would have a less than significant cumulative impact on air quality overall.

4.18.3 Short-Term Versus Long-Term Environmental Goals (Checklist Question c)

The project will be designed in a manner that reduces both short and long term environmental impacts to the greatest extent feasible. Mitigation measures included in the project would not achieve short term environmental goals to the disadvantage of long term environmental goals.

4.18.4 Direct or Indirect Adverse Effects on Human Beings (Checklist Question d)

With the implementation of standard measures and procedures described in this Initial Study, the proposed project would not result in substantial adverse effects on human beings.

4.18.5 Conclusion

The project could result in temporary air quality, biological, noise, and water quality impacts during construction. The project could result in hazardous materials impacts, as well as impacts to cultural resources, should they be discovered on site. With the implementation of the mitigation and avoidance measures and Standard Permit Conditions included in the project and described within Section 4 Environmental Setting, Checklist, and Discussion of Impacts, the proposed project would not result in significant environmental impacts. **(Less than Significant Impact with Mitigation)**

Checklist Sources

1. CEQA Guidelines – Environmental Thresholds (professional judgment and expertise and review of project plans).

2. City of San José. *Envision San José 2040 General Plan*.

3. City of San José. *Municipal Code*.

4. California Department of Conservation. Division of Land Resource Protection. Farmland Mapping and Monitoring Program. *Santa Clara County Important Farmlands Map*. 2012.

5. California Department of Conservation. Division of Land Resource Protection, Conservation Program Support. *Santa Clara County Williamson Act FY 2012/2013*. 2012.

6. BAAQMD. *CEQA Air Quality Guidelines*. May 2012.

7. Association of Bay Area Governments. Resilience Program GIS Mapping Tool. http://gis.abag.ca.gov/. Accessed September 24, 2016.

8. Federal Emergency Management Agency. Community Panel Number 06085C0088J. Effective February 18, 2014.

9. City of San José. *Envision San José 2040 General Plan Environmental Impact Report*. June 2011.

10. California Emergency Management Agency. *Tsunami Inundation Map for Emergency Planning San Francisco Bay Area*. December 9, 2009. Accessed October 24, 2016. http://www.consrv.ca.gov/cgs/geologic_hazards/Tsunami/Inundation_Maps/Documents/Tsunami_Inundation_SanFranciscoBayArea300.pdf.

11. Kielty Arborist Services. LLC. Arborist Report. September 15, 2016.

12. Bureau Veritas. *Phase I Environmental Site Assessment. 1705 Berryessa Road, San José, California*. February 10, 2010.

13. Stantec Consulting Services. Berryessa Shell #164. *Hazardous Materials Business Plan Annual Submission with UST Forms.* April 6, 2016.

14. Extant Acoustical Consulting, LLC. *Convenience Store, Gas Station and Car Wash - 1705 Berryessa Avenue*. September 9, 2016.

15. TJKM. *Traffic Impact Analysis Report – 1705 Berryessa Road Gas Station.* April 8, 2016.

16. Santa Clara Valley Habitat Agency. *Santa Clara Valley Habitat Plan.* Accessed January 24, 2017. http://scv-habitatagency.org/178/Santa-Clara-Valley-Habitat-Plan.

SECTION 5.0 REFERENCES

ABAG. PDA Showcase. Accessed October 11, 2016. http://gis.abag.ca.gov/website/PDAShowcase/.

ABAG. Resilience Program GIS Mapping Tool. Accessed October 25, 2016. http://gis.abag.ca.gov/.

ABAG. *Plan Bay Area Projections 2013*. December 2013.

BAAQMD. *2010 Clean Air Plan*. September 15, 2010.

BAAQMD. *CEQA Air Quality Guidelines.* Table 3-1, Operational-Related Criteria Air Pollutant and Precursor Screening Level Sizes. Updated May 2011.

Bureau Veritas. P*hase I Environmental Site Assessment, 1705 Berryessa Road, San José, California*. February 10, 2010.

CARB. Target Scoping Plan Update Concept Paper. June 17, 2016. Accessed October 10, 2016. http://www.arb.ca.gov/cc/scopingplan/document/2030_sp_concept_paper2016.pdf.

CalEPA. Cortese List. Accessed October 25, 2016. http://www.calepa.ca.gov/sitecleanup/CorteseList/default.htm.

California Building Industry Association v. BAAQMD. Alameda County Superior Court (Case No. RG10548693).

California Department of Conservation, Division of Land Resource Protection, Farmland Mapping and Monitoring Program, *Santa Clara County Important Farmlands Map.* 2012.

California Department of Conservation. Division of Land Resource Protection. Conservation Program Support. *Santa Clara County Williamson Act FY 2012/2013*. 2012.

California Department of Finance. *E-5 Population and Housing Estimates for Cities, Counties, and the State, 2011-2015 with 2010 Census Benchmark*. Accessed October 18, 2016. http://www.dof.ca.gov/research/demographic/reports/estimates/e-5/2011-20/view.php.

California Department of Finance. *E-5 Population and Housing Estimates for Cities, Counties, and the State, 2011-2015 with 2010 Census Benchmark*. Accessed October 18, 2016. http://www.dof.ca.gov/research/demographic/reports/estimates/e-5/2011-20/view.php.

California Emergency Management Agency. *Tsunami Inundation Map for Emergency Planning San Francisco Bay Area*. Accessed October 25, 2016. http://www.consrv.ca.gov/cgs/geologic_hazards/Tsunami/Inundation_Maps/Documents/Tsunami_Inundation_SanFranciscoBayArea300.pdf.

California Geological Survey. Alquist-Priolo Earthquake Fault Zoning Act. Accessed October 25, 2016. http://www.conservation.ca.gov/cgs/rghm/ap/Pages/main.aspx.

California Integrated Waste Management Board. *Estimated Solid Waste Generation Rates for Commercial Establishments*. Accessed October 27, 2016. http://www.ciwmb.ca.gov/wastchar/WasteGenRates/WGCommer.htm.

CalOSHA. *Pocket Guide for the Construction Industry*. Accessed January 25, 2017. http://www.dir.ca.gov/dosh/dosh_publications/ConstGuideOnline.pdf.

Center for the Continuing Study of the California Economy. *Projections of Jobs, Populations, and Households for the City of San José.* November 4, 2016. http://www.sanJoséca.gov/DocumentCenter/View/3326

City of San José. Clean Bay Strategy Reports. Accessed October 27, 2016. http://www.sanJoséca.gov/ArchiveCenter/ViewFile/Item/1629.

City of San José. General Plan FPEIR. September 2011.

City of San José. Water Pollution Control Capital Program 2016-2020 - Adopted Capital Improvement Program. Accessed October 27, 2016. http://www.sanJoséca.gov/DocumentCenter/View/46177.

County of Santa Clara. *Santa Clara County Geologic Hazard Zones*. Map 12.

County of Santa Clara, USFWS. *Santa Clara Valley Habitat Plan Final Environmental Impact Report/Environmental Impact Statement.* Accessed January 25, 2017. http://scv-habitatagency.org/178/Santa-Clara-Valley-Habitat-Plan.

Extant Acoustical Consulting, LLC. *Convenience Store, Gas Station and Car Wash - 1705 Berryessa Avenue.* September 9, 2016.

Federal Emergency Management Agency. Community Panel Number 06085C0088J. Effective February 18, 2014.

International Carwash Association. *Water Use in the Professional Carwash Industry*. September 2002.

Kielty Arborist Services, LLC. Arborist Report. September 15, 2016.

San José Mercury News. *California Drought: Tips for Conserving Water*. Accessed October 27, 2016. http://www.mercurynews.com/2014/01/20/california-drought-tips-for-conserving-water/.

Santa Clara Valley Habitat Agency. *Santa Clara Valley Habitat Plan.* Accessed January 24, 2017. http://scv-habitatagency.org/178/Santa-Clara-Valley-Habitat-Plan.

Stantec Consulting Services. Berryessa Shell #164. *Hazardous Materials Business Plan Annual Submission with UST Forms.* April 6, 2016.

State of California. Department of Conservation. *Seismic Hazard Zones*. San Josè East Quadrangle. Accessed January 24, 2017. ftp://ftp.consrv.ca.gov/pub/dmg/pubs/lsim/LSIM_SanJosèEast.pdf

State Water Resources Control Board. GeoTracker. Accessed November 2, 2016. https://geotracker.waterboards.ca.gov/.

TJKM. *Traffic Impact Analysis Report – 1705 Berryessa Road Gas Station.* April 8, 2016.

URS. *SFPUC Demand Study: Projected Water Usage for Bay Area Water Supply and Conservation Agency*. Technical Memo. August 2006.

US Geological Survey. *UCERF3: A New Earthquake Forecast for California's Complex Fault System*. Fact Sheet 2015–3009. March 2015. Accessed October 25, 2016. http://pubs.usgs.gov/fs/2015/3009/pdf/fs2015-3009.pdf.

SECTION 6.0 LEAD AGENCY AND CONSULTANTS

6.1 LEAD AGENCY

City of San José, Department of Planning, Building and Code Enforcement
200 East Santa Clara Street
San José, CA 95113

Harry Freitas, Director
David Keyon, Supervising Planner, Environmental Review
John Tu, Planner, Implementation Project Manager
Stefanie Farmer, Planner, Environmental Review

6.2 CONSULTANTS

David J. Powers & Associates, Inc.
Environmental Consultants and Planners

Nora Monette, Principal Project Manager
Amie Ashton, Project Manager
Zach Dill, Graphic Artist

SECTION 6.0 LEAD AGENCY AND CONSULTANTS

6.1 LEAD AGENCY

City of San José, Department of Planning, Building and Code Enforcement
200 East Santa Clara Street
San José, CA 95113

Harry Freitas, Director
David Keyon, Supervising Planner, Environmental Review
John Tu, Planner, Implementation Project Manager
Stefanie Farmer, Planner, Environmental Review

6.2 CONSULTANTS

David J. Powers & Associates, Inc.
Environmental Consultants and Planners

Nora Monette, Principal Project Manager
Amie Ashton, Project Manager
Zach Dill, Graphic Artist

APPENDIX A: ARBORIST REPORT

Kielty Arborist Services LLC

P.O. Box 6187
San Mateo, CA 94403
650-525-1464

September 15, 2016

Sunny Goyal
A U Energy, LLC
41805 Albrae St. 2nd Floor
Fremont, CA 94538

Site: 1705 Berryessa Road, San Jose, CA 95133

Dear Mr. Goyal,

As requested, on Wednesday, September 14, 2016, I visited the above site for the purpose of inspecting and commenting on the trees. New construction is planned for this site, prompting the need for a tree survey. As requested, a tree protection plan will be included in this report.

Method:
The significant trees at this location were located on a site plan provided by myself. Each tree was given an identification number. This number was inscribed on a metal tag and nailed to the trees at eye level. The trees were then measured for diameter at 2 feet above grade. The trees were each assigned a condition rating of 1 – 100 for form and vitality using the following system.

1	-	29	Very Poor
30	-	49	Poor
50	-	69	Fair
70	-	89	Good
90	-	100	Excellent

The condition rating is the average of the vitality and form of the trees. The height of each tree was estimated and the spread was paced off. I have included my recommendations for which trees should be removed. Lastly, a comments section is provided.

P-*Indicates ordinance sized tree(over17.8 inches in diameter)*
R-*Indicates proposed removal.*
**-Indicates tree on neighbors property.*

Survey:

Tree#	Species	Diameter	CON	HT/SP	Comments
1**P**	American sycamore *(Platanus occidentalis)*	20.1	65	30/30	Good vigor, poor form, topped for utilities, street tree, large surface roots.
2**PR**	American sycamore *(Platanus occidentalis)*	17.9	60	25/35	Good vigor, poor form, topped for utilities, leans towards street, codominant at 5 feet.
3**P**	American sycamore *(Platanus occidentalis)*	23.5	65	35/45	Good vigor, poor form, topped for utilities, large surface roots damaging sidewalk, heavy into street by 10 feet.
4**PR**	Mexican fan palm *(Washingtonia robusta*	24.9	50	25/10	Good vigor, good form, poor location, underneath utilities.
5*	Persimmon *(Diospyros kaki)*	6est	70	20/12	Good vigor, fair form, good fruit producer, 5 feet from property line.
6*	Chinese jujube *(Ziziphus jujuba)*	3est	65	10/5	Fair vigor, fair form, water stressed, young tree, 3 feet from the property line.
7*	Persimmon *(Diospyros kaki)*	6est	70	15/12	Good vigor, good form, good fruit producer, 3 feet from property line.
8*	Fig *(Ficus carica)*	6est	70	10/10	Fair vigor, fair form, 3 feet from property line.
9*	Fig *(Ficus carica)*	5est	60	6/6	Poor vigor, fair form, suppressed, 3 feet from property line.
10*	Fig *(Ficus carica)*	6est	70	10/10	Good vigor, good form, 3 feet from property line.
11	Brush cherry *(Syzygium australe)*	1.5	50	7/2	Fair vigor, fair form, poor species, young tree, easily transplantable.
12**R**	Flowering plum *(Prunus x blireana)*	5.9	60	12/8	Fair vigor, fair form, minor deadwood in canopy.

Survey:

Tree#	Species	Diameter	CON	HT/SP	Comments
13**R**	Flowering plum *(Prunus x blireana)*	6.9	60	10/10	Fair vigor, fair form, minor deadwood in canopy, multi leader at 4 feet.
14	Evergreen ash *(Fraxinus uhdei)*	1.6	70	10/5	Good vigor, fair form, young transplantable tree.
15	Evergreen ash *(Fraxinus uhdei)*	2.1	70	10/6	Good vigor, fair form, young transplantable tree.
16*	Persimmon *(Diospyros kaki)*	6est	70	12/12	Good vigor, good form, 4 feet from property line.
17*	Fruiting plum *(Prunus spp.)*	5est	50	12/8	Fair vigor, fair form, 3 feet from property line.
18*	Apple *(Malus spp.)*	6est	65	15/10	Good vigor, fair form, 1 foot from property line.
19*	Peach *(Prunus persica)*	6est	70	12/10	Good vigor, good form , 1 foot from property line.
20*	Peach *(Prunus persica)*	6est	70	12/10	Good vigor, good form , 1 foot from property line.
21*	Peach *(Prunus persica)*	6est	70	12/10	Good vigor, good form , 1 foot from property line.
22**R**	Flowering plum *(Prunus x blireana)*	6.1	60	12/10	Fair vigor, fair form, minor deadwood in canopy.
23**R**	Crape myrtle *(Lagerstroemia spp.)*	4.6	70	12/8	Good vigor, good form.
24**R**	Crape myrtle *(Lagerstroemia spp.)*	4.2	70	12/8	Good vigor, good form.
25**R**	Crape myrtle *(Lagerstroemia spp.)*	4.7	70	12/8	Good vigor, good form.
26**R**	Crape myrtle *(Lagerstroemia spp.)*	6.0@base	70	12/8	Good vigor, good form, multi leader at base.

Survey:

Tree#	Species	Diameter	CON	HT/SP	Comments
27**R**	Crape myrtle *(Lagerstroemia spp.)*	6.0@base	70	12/8	Good vigor, good form, multi leader at base.

P-*Indicates ordinance sized tree(over17.8 inches in diameter)*
R-*Indicates proposed removal.*
**-Indicates tree on neighbors property.*

Summary:
The existing site is a gas station on the corner of Berryessa road and Lundy Avenue. A retail/deli, convenience store, and a car wash tunnel is proposed for this site. The trees on this site are a mix of imported trees (exotics), there are no native trees. The trees are in fair to good condition. There are 4 street trees on site(#1-4) consisting of 3 American sycamore trees and 1 Mexican fan palm tree. All 4 street trees have been planted underneath utility lines. Sycamore trees #1-3 have all been topped as a result of being planted underneath utilities. As a result the sycamores on site have grown wide instead of tall with heavy lateral leaders. Maintenance pruning consisting of lightening heavy lateral limbs should be done every 3-5 years to reduce the risk of a limb failure. In order to prune a street trees one must contact the Department of Transportation for permission to do so.

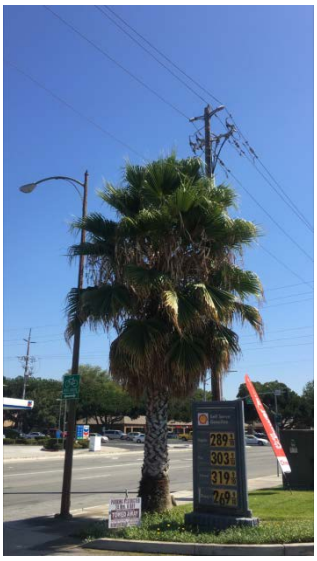
In close proximity to American sycamore tree #1 is a proposed retail/deli store. This tree has large surface roots visible at grade level. If this tree is to be retained, it is recommended that the retail/deli store be built on a pier and grade beam foundation, with the grade beam not exceeding more than 6 inches below grade. This will greatly decrease potential impacts to the tree. Piers should also be limited in diameter and quantity when near this tree. Before the start of construction it is recommended that an exploratory trench be dug in the same exact location as the proposed foundation using only hand tools in combination with an air spade, to a depth of 2 feet. This way all roots can be exposed and piers can be strategically placed in a way that has the least impact to the tree. Also if any roots are to be cut they can be cleanly cut during the digging of the exploratory trench. If the above recommendations are followed the impacts to the tree should be minor. Any roots to be cut over 2 inches in diameter must first be inspected by the site arborist. The site arborist must be on site during any proposed digging within 15 feet from this tree in all directions. During site visits the site arborist will inspect, document and offer mitigation measures when needed. Mitigation measures for this tree will consist of an irrigation schedule and a onetime deep water fertilization to the trees root zone. Tree protection fencing for this tree will need to be located as close as possible to the proposed work, while still allowing for construction to safely continue.

The existing driveway on this site near tree #1 will be removed and replaced at the location of street tree #2. American sycamore #2 will need to be removed to facilitate the construction of the new driveway entrance. Once the existing driveway is removed the once compacted area should be replaced with quality top soil and compost in order to allow for future root growth into this area for tree #1. This will benefit the tree. Removal of the old driveway must be done by hand when within 15 feet from this tree. The site arborist must also be called out to the site when this work is to take place.

Showing sycamore tree #2

American sycamore #3 is in close proximity to the proposed parking area. Root cutting would likely need to take place. The site arborist must be on site when this work is to take place. The cut for the proposed parking area would be a corner cut out to the tree's root zone, affecting an estimated 20% of the trees root zone. This tree will need to be mitigated through pruning and an irrigation schedule. The tree has large heavy lateral leaders that extend 10 feet into the street. A lightening of the lateral leaders would need to take place before the start of construction. Impacts to this tree are expected to be moderate.

Showing sycamore #3



Mexican fan palm #4 will likely need to be removed in the near future as this tree is growing underneath utility lines. Palm tree that are topped will die as they only have one apical meristem. Once this meristem is removed the tree will die. This is why palm trees should not be grown under utility lines as they will eventually need to be topped and will die as a result. Minor work is proposed near this tree in order to make room for parking. Root cutting would likely take place at least 5 feet from the tree. This tree is recommended to be removed as it was planted in the wrong location and will soon need to be removed regardless of construction as the tree will be interfering with utilities.

Showing palm tree underneath utilities

Trees #5-10 and #16-21 are located on neighboring properties. Impacts to these trees will be nonexistent as no work is proposed in close proximity to these trees. Also the large brick wall surrounding the property likely acts as a root barrier between the adjacent properties.

Trees #11, 14, and 15 will be retained. These trees are recommended to be protected by tree protection fencing.

Tress #12-13, and #22-27 are proposed for removal in order to facilitate construction. For commercial properties, and industrial properties, a permit is required for the removal of trees of any size. For trees on these properties, a Tree Removal Permit is required if the tree is ordinance sized, or a Permit Adjustment if the tree is smaller than ordinance sized. The following tree protection plan will help to reduce impacts to the retained trees.

Tree Protection Plan:

Tree Protection Zones

Tree protection zones should be established and maintained throughout the entire length of the project. Fencing for the protection zones should be 6 foot tall metal chain link supported by metal poles the support poles should be spaced no more than 10 feet apart on center. The location for the protection fencing should be as close to the dripline as possible still allowing room for construction to safely continue. Signs should be placed on fencing signifying “Tree Protection Zone - Keep Out”. No materials or equipment should be stored or cleaned inside the tree protection zones. Areas outside the fencing but still beneath the dripline of protected trees, where foot traffic is expected to be heavy, should be mulched with 4 to 6 inches of chipper chips.

Demolition

During the demolition process all tree protection should be in place. An inspection prior to the start of the demolition may be required. A pre-demolition meeting with the site arborist is also advised. All vehicles must remain on paved surfaces if possible. If vehicles are to stray from paved surfaces, 4 to 6 inches of chips shall be spread and plywood laid over the mulch layer. This type of landscape buffer will help reduce compaction of desired trees. Parking will not be allowed off the paved surfaces. The removal of foundation materials, when inside the driplines of protected trees, should be carried out with care. Hand excavation may be required in areas of heavy rooting. Exposed or damaged roots should be repaired and covered with native soil. Tree protection fencing may need to be moved after the demolition. The site arborist should be notified and the relocated fence should be inspected.

Root Cutting

Any roots to be cut shall be monitored and documented. Large roots (over 2" diameter) or large masses of roots to be cut must be inspected by the site arborist. The site arborist, at this time, may recommend irrigation or fertilization of the root zone. All roots needing to be cut should be cut clean with a saw or lopper. Roots to be left exposed for a period of time should be covered with layers of burlap and kept moist.

Trenching

Trenching for irrigation, drainage, electrical or any other reason shall be done by hand when inside the dripline of a protected tree. Hand digging and the careful placement of pipes below or besides protected roots will significantly reduce root loss, thus reducing trauma to the tree. All trenches shall be backfilled with native materials and compacted to near its original level, as soon as possible. Trenches to be left open for a period of time, will require the covering of all exposed roots with burlap and be kept moist. The trenches will also need to be covered with plywood to help protect the exposed roots.

Irrigation

Normal irrigation shall be maintained on this site at all times. On a construction site, I recommend irrigation during winter months, 1 time per month. Seasonal rainfall may reduce the need for additional irrigation. During the warm season, April – November, my recommendation is to use heavy irrigation, 2 times per month. Enough water should be applied to the soil to wet the entire root zone. This type of irrigation should be started prior to any excavation. The irrigation will improve the vigor of the tree and will also improve the water content of the tree. The on-site arborist may make adjustments to the irrigation recommendations as needed. The foliage of the tree many need cleaning if dust levels are extreme. Removing dust from the foliage will help to reduce mite and insect infestation.

Inspections
The City of San Jose may require scheduled tree reports for a site like this. The tree protection reports will be provided when tree protection measures are installed and prior to occupancy. Remaining tree inspections are on an as needed basis.

This information should be kept on site at all times. The information included in this report is believed to be true and based on sound arboricultural principles and practices.

Sincerely,

Kevin R. Kielty
Certified Arborist WE#0476A

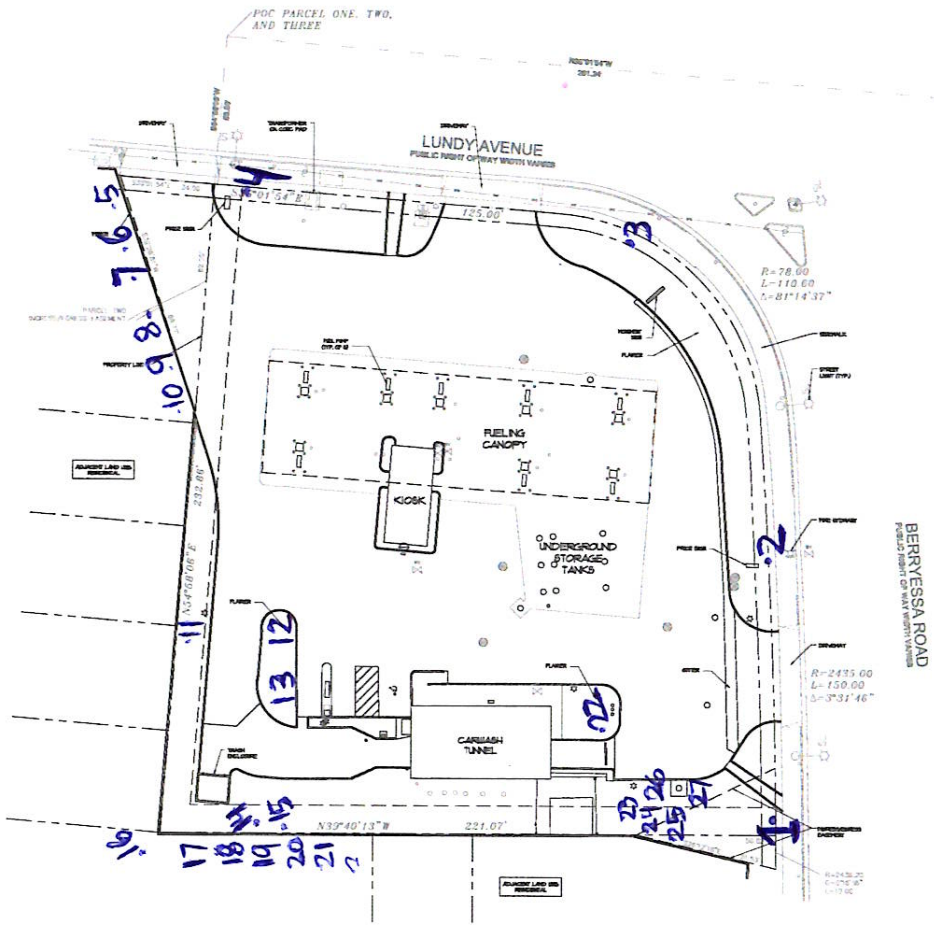
David P. Beckham
Certified Arborist WE#10724A

Kielty Arborist Services
P.O.Box 6187, San Mateo, CA 94403 ● TEL: (650) 525-1464 ● FAX (650) 525-1439
Kkarbor0476@yahoo.com

SITE DEMOLITION INFO

BUILDINGS TO BE DEMOLISHED:

CARWASH TUNNEL	1307 S.F.
KIOSK	544 S.F.



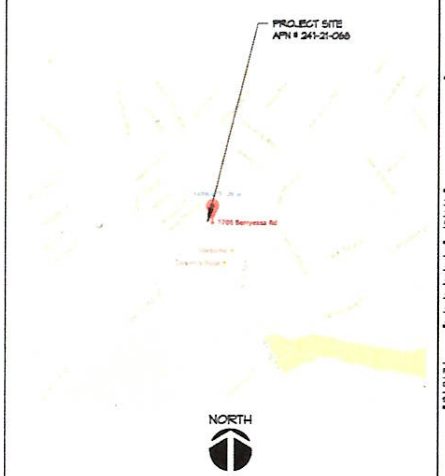
1 EXISTING SITE PLAN
1" = 20'-0"

GRAPHIC SCALE: 1" = 20'-0"

NORTH

LOCATION MAP

SCALE: 1" = 500'



M I Architects

M I Architects, Inc.
ARCHITECTURE
PLANNING
MANAGEMENT
DESIGN
2229 OLYMPIC BLVD.
SUITE 100
WALNUT CREEK, CA
94595
925-287-1174 Tel
925-443-5561 Fax
925-673-4575 Cell
mikhaan@miarchitect.com
www.miarchitect.com

SHELL GAS STATION, CARWASH,
"LOOP" CONVENIENCE STORE & RETAIL BLDG
1705 BERRYESSA RD.
SAN JOSE, CA 95133

(PDC15-027)

DRAWINGS AND SPECIFICATIONS AND THE CONCEPTS EMBODIED WITH THEM CONSTITUTE THE ORIGINAL UNPUBLISHED WORK OF M I ARCHITECTS, INC. DRAWINGS AND SPECIFICATIONS AND THE CONCEPTS EMBODIED WITH THEM ARE THE PROPERTY OF M I ARCHITECTS, INC. AND ARE NOT TO BE USED FOR THE USE, DUPLICATION OR DISCLOSURE OF THE DOCUMENTS WITHOUT EXPRESSED WRITTEN CONSENT FROM M I ARCHITECTS, INC. IS PROHIBITED.

NO.	DATE	DESCRIPTION
-		ISSUED FOR CONSTRUCTION
-		ISSUED FOR PLAN CHECK
07-27-14		ISSUED FOR PLANNING

NO.	DATE	DESCRIPTION
△		
△		
△		
△		
△		

EXISTING SITE PLAN

PROJECT # 14-5064
DRAWN BY: CHECKED: MI
SCALE: AS NOTED DATE: 5-11-15

3.1

SHEET OF

APPENDIX B: PHASE 1

February 10, 2010

Mr. Nick Goyal
VINTNERS DISTRIBUTORS, INC.
41805 Albrae Street, 2nd Floor
Fremont, California 94538

Project No. 33109-009599.00

Subject: Phase I Environmental Site Assessment
1705 Berryessa Road
San Jose, California

Dear Mr. Goyal:

Bureau Veritas is pleased to present our Phase I Environmental Site Assessment report for the above-referenced subject property. Enclosed is an electronic copy of our report.

We appreciate the opportunity to be of service. If you have any questions or need additional assistance, please contact me.

Sincerely,

John Werfal
Senior Project Manager
Health, Safety, and Environmental Services
925.426.2629
John.Werfal@us.bureauveritas.com

Enclosures

Phase I
Environmental Site Assessment

1705 Berryessa Road
San Jose, California

February 10, 2009
Project Number 33109-009599.00

Prepared for
Vintners Distributors, Inc.
Fremont, California

For the benefit of business and people

Bureau Veritas North America, Inc.
2430 Camino Ramon, Suite 122
San Ramon, California 94583
925.426.2600
www.us.bureauveritas.com

CONTENTS

Section **Page**

EXECUTIVE SUMMARY IV

1.0 INTRODUCTION 1

1.1 PURPOSE 1
1.2 METHODOLOGY 1
1.3 LIMITATIONS 1

2.0 RECONNAISSANCE 2

2.1 SUBJECT PROPERTY USE 2
2.1.1 Hazardous Substances and Petroleum Products 2
2.1.2 Underground Storage Tanks (USTs) 2
2.1.3 Aboveground Storage Tanks (ASTs) 3
2.1.4 Liquid Waste 3
2.1.5 Solid Waste 3
2.1.6 Polychlorinated Biphenyls (PCBs) 3
2.1.7 Wells 4
2.2 ADJOINING PROPERTY AND SURROUNDING AREA USE 4

3.0 USER PROVIDED INFORMATION 4

4.0 INTERVIEWS 4

4.1 CURRENT OWNER, OPERATORS, OCCUPANTS 4
4.2 PAST OWNERS, OPERATORS, AND OCCUPANTS 5
4.3 NEARBY PROPERTY OWNERS AND OCCUPANTS 5
4.4 GOVERNMENT OFFICIALS 5
4.5 OTHER INTERVIEWS 5

5.0 RECORDS REVIEW 5

5.1 PHYSICAL SETTING 5
5.1.1 Physiography 5
5.1.2 Geology 5
5.1.3 Hydrology 6
5.2 FIRE INSURANCE MAPS 6
5.3 AERIAL PHOTOGRAPHS 6
5.4 LOCAL STREET DIRECTORIES 7
5.5 REGULATORY AGENCIES 8
5.5.1 Tax Assessor 8
5.5.2 Building Department 8

CONTENTS (Continued)

5.5.3 Fire Department 8
5.5.4 Environmental Health 8
5.5.5 Regional Water Quality Control Board 9
5.5.6 Department of Toxic Substances Control 9
5.6 ACTIVITY & USE LIMITATIONS (AULS) 9
5.7 PREVIOUS ENVIRONMENTAL DOCUMENTATION 10
5.8 DATABASE REVIEW 11

6.0 NON-ASTM CONSIDERATIONS 12
6.1 MICROBIAL GROWTH & MOISTURE INTRUSION 12
6.2 WETLANDS 12

7.0 FINDINGS AND OPINIONS 12

8.0 CONCLUSIONS 15

9.0 SOURCES AND REFERENCES 16

Appendices

A Figures
B Photographs
C Historical Documentation
D Previous Reports
E Environmental Database Report
F Qualifications

EXECUTIVE SUMMARY

Vintners Distributors, Inc. retained Bureau Veritas North America, Inc. (Bureau Veritas) to conduct a Phase I Environmental Site Assessment (ESA) in conjunction with a prospective financial transaction associated with the property located at 1705 Berryessa Road, San Jose, Santa Clara County, California (subject property).

Bureau Veritas conducted this ESA in conformance with ASTM Designation: E 1527-05 *Standard Practice for ESAs: Phase I ESA Process*. The scope of work and the terms and conditions are described in our December 8, 2009 Proposal No. 3303.09.361. Exceptions and limitations encountered during this ESA are identified in the report.

The approximately 1.04-acre subject property is currently developed with a Shell gasoline station, which includes a canopy that covers fuel dispenser islands. Additional structures include a station building with food mart and utility room; a small, drive-through car wash, with two storage rooms, and customer restrooms; and a small trash enclosure. With the exception of landscaping along the borders, the remaining open areas are covered by asphalt pavement, with concrete pads beneath the fuel dispenser canopies and covering three 12,000 gallon fuel underground storage tanks (USTs) and adjacent air/water station. A clarifier is also located at the site, and is utilized for the pre-treatment of wastewater discharge from the car wash, prior to its approved discharge to the storm drain. No vehicle servicing currently takes place at the facility. The current short term use of the subject property is continued use as a gas station.

Bureau Veritas identified obvious subject property uses from the present back to 1939, at which time the subject property was in agricultural use consisting primarily of row crops, as well as scattered farm residences and associated agricultural support buildings (barns, sheds, etc.). This use continued until at least 1965. By 1974, the subject property was developed with a Shell gas station. The current gas station configuration is somewhat different from 1974. In particular, the original UST pad and fuel dispenser canopy were located on the southeast side of the subject property, along the Berryessa Road frontage; the station building, which included service bays, was located on the west portion of the subject property. The tank pit originally contained three 8,000-gallon gasoline USTs, and the service building utilized a waste oil UST at its southwest corner. The original tanks were of single-wall steel construction as was the appurtenant piping. In 1987, the waste oil UST was removed and the original tanks were replaced with the current USTs, which are of double-walled, fiberglass construction. In 1999. the subject property was renovated, which included the removal of two hydraulic hoists, four gasoline dispensers, and associated piping. The service building was demolished in 1999 during renovation, and the current car wash building and associated wastewater clarifier were constructed on the west side of the customer restrooms/storage building at that time. An additional station monitoring system upgrade completed in 2005. Based on the records reviewed, vehicle servicing is known to have been conducted. Adjoining properties to the northeast was also developed with gas stations by at least 1980, when other surrounding uses included commercial and residential development to the north and commercial development to the east and southeast. Agricultural land was still located to the southwest and west. By at least 1993, the subject property was surrounded with commercial and residential property.

EXECUTIVE SUMMARY (Continued)

This ESA has revealed no evidence of recognized environmental conditions (RECs) in connection with the subject property, except for the following:

- Active LUST case under investigation/remediation.

Bureau Veritas recommends continued groundwater monitoring/verification monitoring for the subject property in accordance with regulatory directives.

1.0 INTRODUCTION

Vintners Distributors retained Bureau Veritas North America, Inc. (Bureau Veritas) to conduct a Phase I Environmental Site Assessment (ESA) in conjunction with a prospective financial transaction associated with the property located at 1705 Berryessa Road, San Jose, Santa Clara County, California (subject property). Figure 1 shows the approximate subject property location.

1.1 PURPOSE

One purpose of this ESA is to permit a user to satisfy one of the requirements to qualify for landowner liability protections (under CERCLA). This ESA may also help a user better understand business environmental risks. Towards these ends and consistent with good commercial and customary practice, this ESA is designed to identify ASTM-defined recognized environmental conditions (RECs) and *de minimis* conditions in connection with the subject property by performing all appropriate inquiry into subject property ownership and use as well as into uses of adjoining properties and surrounding areas within approximate minimum search distances from the subject property. This ESA is also intended to identify potential environmental concerns (PECs) and business environmental risks (BERs) in connection with the subject property. PECs are environmental issues that are not judged to be RECs but still may be a concern. BERs are associated with microbial growth and wetlands.

1.2 METHODOLOGY

Bureau Veritas conducted this ESA in conformance with ASTM Designation: E 1527-05 *Standard Practice for ESAs: Phase I ESA Process*. The scope of work and the terms and conditions are described in our December 8, 2009 Proposal No. 3303.09.361. Qualified personnel working under the responsible charge of an environmental professional conducted this ESA (Appendix F). This ESA includes the following parts: reconnaissance, interviews, records review, and evaluation. In addition, this ESA addresses the following non-ASTM considerations: evidence of microbial growth and moisture intrusion, and wetlands.

1.3 LIMITATIONS

Bureau Veritas obtained information for this ESA from various sources (Section 9.0), and to the extent it was relied on to form our opinion, this information is assumed to be correct and complete. Bureau Veritas is not responsible for the quality or content of information from these sources. Bureau Veritas encountered the following data gaps or limitations:

- Bureau Veritas identified obvious subject property uses from the present back to 1939, when the site was in use for farmstead/agricultural use. This is not a significant data gap because the subject property and vicinity was in agricultural use in 1939; uses prior to that were likely either agricultural, rural residential or undeveloped land, which do not present additional concerns.

The information and opinions rendered in this report are exclusively for use by Vintners Distributors, Inc. Bureau Veritas will not distribute or publish this report without consent except as required by law or court order. The information and opinions expressed in this report are given in response to a limited

assignment and should be considered and implemented only in light of that assignment. The services provided by Bureau Veritas in completing this project were consistent with normal standards of the profession. No other warranty, expressed or implied, is made.

2.0 RECONNAISSANCE

On January 4, 2009, Mr. Tim Orf of Bureau Veritas, performed visual reconnaissance of the subject property, adjoining properties, and surrounding areas to ascertain current and historic uses. Mr. Benny Santos, Supervisor, provided access to the subject property. Mr. Orf was unaccompanied during the onsite reconnaissance portion of this assessment. The subject property was systematically traversed on foot; adjoining properties were observed from the subject property and from public thoroughfares. Photographs are appended. Figure 2 depicts a site plan.

2.1 SUBJECT PROPERTY USE

The approximately 1.04-acre subject property is currently developed with a Shell gasoline station, which includes a canopy that covers fuel dispenser islands. Additional structures include a station building with food mart and utility room; a small, drive-through car wash, with two storage rooms, and customer restrooms; and a small trash enclosure. With the exception of landscaping along the borders, the remaining open areas are covered by asphalt pavement, with concrete pads beneath the fuel dispenser canopies and covering three 12,000 gallon fuel underground storage tanks (USTs) and adjacent air/water station. A clarifier is also located at the site, and is utilized for the pre-treatment of wastewater discharge from the car wash prior to its approved discharge to the storm drain. No vehicle servicing currently takes place at the facility. The current short term use of the subject property is continued use as a gas station. A site plan is depicted on Figure 2.

2.1.1 Hazardous Substances and Petroleum Products

Bureau Veritas inspected the subject property for indications of the use, storage, or disposal of hazardous substances and petroleum products (e.g., manufacturing activities, drums, containers, stressed vegetation, stains, sheen, and heating/cooling systems). Bureau Veritas observed no such indications, except, plastic drums of car wash detergent, wax and polisher; and storage of gasoline for commercial sale in three USTs (see Section 2.1.2 below).

2.1.2 Underground Storage Tanks (USTs)

Bureau Veritas inspected the subject property for indications of USTs (e.g., vent piping, dispensing equipment, pavement variations, and fill ports).

Current USTs on the subject property are described in the following table:

Tank No.	Year Installed	Size (Gallons)	Construction	Contents
1	1987	12,000	Double-walled fiberglass	Gasoline
2	1987	12,000	Double-walled fiberglass	Gasoline
3	1987	12,000	Double-walled fiberglass	Gasoline

The USTs are equipped with electronic leak detection. Based on the information provided to Bureau Veritas, the USTs on the subject property appear to be substantially in compliance with applicable regulations.

The USTs on the subject property are connected to 14 dispensers. Product lines are constructed of double-walled fiberglass and are also equipped with automatic line leak detection.

2.1.3 Aboveground Storage Tanks (ASTs)

Bureau Veritas inspected the subject property for indications of ASTs (e.g., pavement bolts, containers, reservoirs, and generators). Bureau Veritas observed no such indications, except for a cylinder used for the enhanced vapor recovery system. The cylinder was in the western portion of the subject property, and appeared to be in good condition with no signs of leaks or spills noted.

2.1.4 Liquid Waste

Bureau Veritas inspected the subject property for indications of liquid waste discharge sources (e.g., sumps, drains, clarifiers, pools of liquid, pits, ponds, lagoons, septic systems, wastewater, and storm water). Bureau Veritas observed no such indications, except wastewater generated from the car wash. The wash water is recycled until transported offsite by a contractor.

2.1.5 Solid Waste

Bureau Veritas inspected the subject property for indications of solid waste disposal (e.g., mounding, depressions, fill material, bins, debris, and active human use). Bureau Veritas observed no such indications, except a trash dumpster located in the west corner of the subject property,

2.1.6 Polychlorinated Biphenyls (PCBs)

Bureau Veritas inspected the subject property for indications of PCBs (e.g., transformers, capacitors, elevators, and lifts). Bureau Veritas observed no such indications, except one pole-mounted transformer and one pad-mounted transformer located in the north corner and east portion of the subject property. The transformer is owned and operated by the Pacific Gas and Electric Company. They appeared to be in good condition. No evidence of dielectric fluid was observed around the transformers.

2.1.7 Wells

Bureau Veritas inspected the subject property for indications of supply, irrigation, monitor, injection, dry, abandoned, or other wells (e.g., protruding pipes, cover plates, pumps, small sheds, large water storage containers, and mounded grout). Bureau Veritas observed no such indications, except for twelve groundwater monitoring wells located within the subject property boundaries, as well as two additional wells located near the subject property within the adjoining public right-of-way (on Berryessa Road).

2.2 ADJOINING PROPERTY AND SURROUNDING AREA USE

Adjoining property and surrounding area uses are primarily commercial and residential. These uses include the following:

- North: Lundy Avenue with Chevron gas station (1715 Berryessa Road) and commercial property/strip mall beyond.
- South: Residential property and Berryessa Road with commercial property beyond Berryessa Road.
- East: Intersection of Berryessa Road and Lundy Avenue with commercial and residential property beyond.
- West: Residential property.

3.0 USER PROVIDED INFORMATION

ASTM E 1527 defines “user” as the party seeking to use Practice E 1527 to complete an environmental site assessment of the subject property, and in this case, the user is Vintners Distributors, Inc. Mr. Nick Goyal, President completed a User Questionnaire. Mr. Goyal is unaware of any environmental liens, activity and use limitations or any other environmental issues associated with the subject property.

4.0 INTERVIEWS

Mr. Tim Orf with Bureau Veritas conducted or attempted to conduct interviews at various times in December 2009. Unless otherwise noted, interviewed persons were generally forthcoming.

4.1 CURRENT OWNER, OPERATORS, OCCUPANTS

On January 4, 2010 Bureau Veritas interviewed Mr. Benny Santos, Supervisor for the subject property gasoline station operations. Mr. Santos has been associated with the subject property since approximately 1986. Mr. Santos stated the subject property was renovated in the late 1990s. He also stated that a vehicle service station was previously on the subject property before the renovation. Mr. Santos allowed Bureau Veritas to review the Gold Book during the on-site reconnaissance. Mr. Santos stated that he was unaware of any environmental issues of concern associated with the subject property. Mr. Santos provided current operational information presented in Section 2.0.

According to Mr. Santos, utilities are provided to the subject property as follows:

- Power: PG&E
- Natural Gas PG&E
- Sewer City of San Jose
- Water City of San Jose

4.2 PAST OWNERS, OPERATORS, AND OCCUPANTS

Bureau Veritas identified no past subject property owners, operators, and occupants who were available for interview. Previous site information is documented in earlier reports, which are summarized in Section 5.8.

4.3 NEARBY PROPERTY OWNERS AND OCCUPANTS

The subject property is not abandoned. Therefore, Bureau Veritas did not interview nearby property owners and occupants.

4.4 GOVERNMENT OFFICIALS

No interviews were conducted with the exception of those presented in Section 5.5.

4.5 OTHER INTERVIEWS

No other interviews were conducted.

5.0 RECORDS REVIEW

Bureau Veritas reviewed records pertaining to the subject property. In addition, where practicable, Bureau Veritas reviewed records indicating uses at adjoining properties and nearby properties or surrounding areas within approximate minimum search distances from the subject property.

5.1 PHYSICAL SETTING

5.1.1 Physiography

Bureau Veritas reviewed the United States Geological Survey's (USGS) 1998 7*.5-Minute Series San Jose East, California Quadrangle Topographic Map,* According to the map, the ground surface elevation at the subject property is between 85 and 95 feet above mean sea level (amsl). Regional topography is relatively flat, sloping gently downwards to the west. The topography of the subject property is relatively flat.

5.1.2 Geology

According to the Corrective Action Plan (CAP) prepared in July 2002, the subject property is located within the Santa Clara Valley. Upper Penitencia Creek flows westerly about 700 feet southwest of the subject property, and joins Coyote Creek about ½ mile southwest of the subject property. Coyote Creek

flows northwesterly and discharges to San Francisco Bay, about six miles northwest of the subject property.

The subsurface soils beneath the subject property consist primarily of clays and silts with two notable sandy silt and sand layers. Fill materials extend from the ground surface to approximately 2 to 3 feet bgs. Silts and clays underlay the fill material and extend to approximately 10 feet bgs. A water-bearing sandy silt/silty sand occurs at depths between 10 to 16 feet bgs. Silts and clay then typically extend to approximately 36 to 40 feet bgs. Other water bearing, sand and gravelly sand units are present from approximately 36 to 38 feet bgs on site, and from approximately 39.5 to 45 feet bgs off site to the southeast. A clay and silt of unknown thickness is below the sandy layer.

5.1.3 Hydrology

Based on Second Quarter Monitoring Report 2009 performed at the subject property by Delta Consultants, the depth to groundwater ranges from approximately 8.02 to 13.90 feet below top of well casing. Groundwater flow is south to southwest at a gradient of 0.005 ft/ft.

5.2 FIRE INSURANCE MAPS

We requested fire insurance maps of the subject property, adjoining properties, and surrounding area from the Environmental Data Resources, Inc. (EDR) collection. According to EDR, such maps are not available.

5.3 AERIAL PHOTOGRAPHS

Bureau Veritas reviewed aerial photographs of the subject property, adjoining properties, and surrounding area from the EDR collection. Photograph summaries follow:

- **1939; Scale: 1”= 555’**

  The subject property appears to be developed with a residential property/farmstead and agricultural land. Roads are shown north and southeast from the subject property. A residential property/farmstead is shown to the west of the subject property. The adjoining properties to the north, east, south and west appear to be vacant, agricultural land. Railroad tracks appear southwest from the subject property.

- **1948; Scale: 1”= 655’**

  The subject property and adjoining properties appear generally unchanged from the 1939 aerial photograph.

- **1956; Scale: 1”= 555’**

  The subject property and adjoining properties appear generally unchanged from the 1948 aerial photograph with the exception of farmsteads appearing northeast from the subject property..

- **1965; Scale: 1”= 333’**

  The subject property and adjoining properties appear generally unchanged from the 1956 aerial photograph.

- **1974; Scale: 1”= 601’**

  The subject property appears to be developed with a gas station with a building located in the northwest corner of the subject property and an apparent canopy on the southeast portion of the subject property. An adjoining gas station located northeast from the subject property appears to be developed with two structures consistent with the present day configuration of the convenience store/vehicle service station and the canopy. Intersection consistent with present day configuration appears east from the subject property with agricultural land beyond. Significant grading is present to the southeast of the subject property beyond Berryessa Road in areas now developed with commercial structure. No adjoining structures are present at the time of the aerial photograph. Vacant agricultural land appears to be to the west and southwest from the subject property.

- **1982; Scale: 1”= 690’**

  The subject property appears unchanged from the 1974 aerial photograph. A development of commercial and residential property appears north, east, and south from the subject property.

- **1993; Scale: 1”= 666’**

  The subject property appears unchanged from the 1982 aerial photograph. A development of residential property appears west and southwest from the subject property.

- **1998; Scale: 1”= 666’**

  The subject property and adjoining properties appear generally unchanged from the 1993 aerial photograph.

- **2005; Scale: 1”= 604’**

  The subject property appears to be developed with two structures consistent with the present day configuration of the convenience store/car wash and the canopy. The remainder of the subject property is shown as asphalt-covered land and landscaping. Adjoining properties consist of residential and commercial properties with the exception of a gas station located northeast from the subject property (1715 Berryessa Road).

5.4 LOCAL STREET DIRECTORIES

Bureau Veritas reviewed local street directory entries for the subject property and adjoining/nearby properties that EDR researched in approximately five-year intervals between the years 1922 and 2006.

The subject property address was identified as Shell Oil Station in 1975 and Berryessa Shell from 1980 to 1996.

Adjoining properties were identified as residential and commercial properties from 1922 to 2006 with no notable listings, except for Chevron gas station from 1975 to 2000.

5.5 REGULATORY AGENCIES

5.5.1 Tax Assessor

Bureau Veritas contacted the Santa Clara County Tax Assessor's Office on December 30, 2009. According to information at the assessor's office, the parcel number assigned to the subject property is 241-21-068. The subject property is owned by Equilon Enterprises, LLC with approximately 1.04 acres. The subject property is incorporated.

5.5.2 Building Department

The City of San Jose On-Line Permits website was reviewed on January 7, 2010. Records were numerous and included information dated from 1971 to present; select information is summarized below:

- 1973 Permit issued for a service station car wash.
- 1988 Permit issued for replacing four gas dispensers.
- 1998 Permit issued for reconstruction of existing service station. Building new kiosk, canopy, carwash and fueling facility.
- 2002 Permit issued for groundwater remediation system install.
- 2008 Permit issued for enhance vapor recovery (EVR) Healy Tank install.

5.5.3 Fire Department

Bureau Veritas submitted a request to the San Jose Fire Prevention Department on December 18, 2009 for information regarding the subject property. Bureau Veritas also called the San Jose Fire Prevention Department at various times between January 4 and 5, 2010. Bureau Veritas has not received a response from the San Jose Fire Prevention Department at the date of this report.

Bureau Veritas reviewed Hazardous Material Inspection Reports (prepared by the San Jose Fire Prevention Department) that were provided at the time of site reconnaissance. No violations were noted.

5.5.4 Environmental Health

Bureau Veritas submitted a request for information regarding the subject property to County of Santa Clara Department of Environmental Health – Hazardous Material Compliance Division (SCDEH) on December 18, 2009. According to Mr. Chris Widmann, Office Specialist III, HMCD had the following records on file:

- Hazardous Waste Generator Permit Application and Inspection dated 4/21/95 and 11/25/09. The hazardous materials listed in the inventory were absorbent material with gasoline and rinsate gasoline.

In addition, Bureau Veritas reviewed records pertaining to the subject property on the SCCDEH website database. Records are summarized in section 5.7.

5.5.5 Regional Water Quality Control Board

Bureau Veritas contacted the Regional Water Quality Control Board (RWQCB) on December 18, 2009 to review records pertaining to the subject property. According to staff, information can be found on the RWQCB's GeoTracker database website.

In addition, Bureau Veritas reviewed records pertaining to the subject property on the Water Board's GeoTracker database website. Records list the Shell service station as having two LUST incidents.

- GeoTracker identifies the first LUST case (06S1E33D01f) at the subject property as a LUST Cleanup Site with the status as Case Closed in July 1996. The potential contaminant of concern was gasoline. The case was opened in 1987. Information contained in these documents is summarized in Section 5.7.
- GeoTracker identifies the second LUST case (06S1E33D03f) at the subject property as a LUST Cleanup Site with the status as Open - Remediation. The potential contaminant of concern was gasoline. The case was opened in 1999. Information contained in these documents is summarized in Section 5.7.

Previous reports indicated that the current gas station configuration is somewhat different from the past, dating back to at least 1974. In particular, the original UST pad and fuel dispenser canopy were located on the southeast side of the subject property, along the Berryessa Road frontage and the station building, which included service bays, was located on the west portion of the subject property.

According to information released by the California Attorney General, a recent statewide investigation by the RWQCB resulted in a Final Judgment and Injunction between Shell Oil Company and the State of California dated November 6, 2009, pertaining to alleged violations of hazardous waste and UST regulations at retail service stations across California. The alleged violations related to leak detection monitoring systems, UST system compliance testing, hazardous materials business plans (HMBPs), and employee training among other issues. The Final Judgment requires Shell Oil Company to notify the State when any facility is sold or transferred, to comply with statutes, regulations, and permits, and to maintain a "UST Compliance Management Program." The Final Judgment and Injunction lacked specific information regarding alleged violations that may have pertained to the subject property.

5.5.6 Department of Toxic Substances Control

In addition, Bureau Veritas reviewed records pertaining to the subject property on the DTSC's Envirostor database website. Records indicate no DTSC Clean-up Site or Hazardous Waste Permits for the subject or adjoining properties.

5.6 ACTIVITY & USE LIMITATIONS (AULS)

Bureau Veritas reviewed a report of title and judicial records prepared by EDR and National Environmental Title Research for indications of environmental liens and AULs recorded against the subject property. No environmental liens or AULs were identified as of December 18, 2009.

5.7 PREVIOUS ENVIRONMENTAL DOCUMENTATION

Bureau Veritas was provided or obtained copies of reports identified in Section 9.0. The following is a summary of reviewed previous reports:

Release History

In 1987, a release of petroleum to soil was identified during removal of three 8,000-gallon USTs and one 500-gallon waste oil tank from the southern portion of the subject property. In 1999, during renovation activities, a release of petroleum to soil was discovered during removal of four gasoline dispensers and associated product piping.

Investigations

Initial investigations conducted in 1987 identified total petroleum hydrocarbons-gasoline (TPH-g) and benzene impacts to soil. Methyl tert butyl ether (MTBE) was not tested during that time. In December 1994 and July 1995, six soil borings were advanced and no TPH-g or benzene, toluene, ethylbenzene, or xylenes (BTEX) were detected in soil samples, with the exception of a detection of toluene by the former USTs in one soil boring at 15 bgs.

In 1999, three additional soil borings were advanced on the subject property. TPH-g, total petroleum hydrocarbon-diesel (TPH-d), ethylbenzene and MTBE were detected at concentrations of 18.7, 13.3, 0.650, and 1.10 mg/kg, respectively in one soil sample near the former dispensers, at approximately 25 feet bgs. Benzene and toluene were not detected in the soil samples. In May 2000, ten geoprobe borings were advanced at the subject property. No TPH-g or BTEX were detected in the soil samples. MTBE (0.056 mg/kg) was detected in a sample collected near the southern corner of the former service station building at 10 feet bgs.

Also in 1999, three hydraulic hoists were removed and the soil beneath sampled for petroleum hydrocarbons and MTBE, which were not detected.

Quarterly groundwater monitoring has been conducted since May 2000. TPH-g was detected in groundwater samples from wells MW-2A and MW-3 near the USTs pit at a concentration of 570 micrograms per liter (μg/L) and 74 μg/L, respectively. MTBE was detected in groundwater samples from wells MW-3, MW-6, and E-2 at concentrations ranging from 19 μg/L (MW-6) to 51 μg/L (MW-3). Benzene and TBA were not detected in the groundwater samples from the monitoring wells. Offsite and downgradient monitoring wells (MW-7A and MW-7B) located in Berryessa Road, indicated no detectable petroleum-related compounds during the Second Quarter 2009 Groundwater Monitoring.

Remediation

In 1987, four USTs were replaced and approximately 600 cubic yards of soil were transported off site for disposal. In 1999, site renovation activities included removal of two hydraulic lifts and dispenser islands. Evidence of releases was documented during each activity.

An interim monthly groundwater extraction (GWE) program was initiated in October/November 2000. The GWE program consisted of using a vacuum truck to remove groundwater from selected wells. In May 2002, a groundwater and extraction and treatment (GWET) system was installed at the subject property. The remedial system consisted of four groundwater extraction wells with electric submersible pumps.

The treatment system utilized three 1,000-pound aqueous-phase granular activated carbon vessels arranged in series. Treated groundwater was discharged via the municipal storm drain under the authority of a NPDES permit. The GWET system was deactivated December 2005 due to continuing observed low concentrations in the system influent.

Current Conditions

The most recent groundwater sampling event on May 27, 2009 included 14 onsite groundwater monitoring wells. In general, constituents of concern were not detected, except for TPH-g at 74 ug/L and MTBE at 51 ug/L in one well immediately north of the USTs and dispensers; TPH-g at 570 ug/L adjacent to the dispensers; and MTBE at 19 ug/L and 26ug/L in two wells near the south (downgradient) subject property boundary. BTEX and TBA were not detected.

Regulatory Status

The status of the release is currently Verification Monitoring as of November 25, 2003 (Geotracker). As of November 11, 2009, Delta (consultant to Shell) submitted a Request for Case Closure.

5.8 DATABASE REVIEW

Bureau Veritas reviewed a regulatory agency database search report prepared by EDR for information pertinent to the subject property and offsite facilities located within ASTM-specified search distances from the subject property. The database report identifies about 30 facilities as well as the accessed databases and the dates when information was updated (Appendix D). The subject property was identified in several databases as noted below:

- Capitol Shell is listed in the San Jose HAZMAT and SWEEPS UST database.
- Shell Oil Company is listed in the LUST and Historical LUST database.
- Equilon Enterprises LLC/Shell Station is listed in the RCRA-LQG database. No violations found.
- Shell is listed in the HAZNET database.
- Chavez Enterprises Inc. is listed in the Historical UST database.
- Shell Service Station is listed in the RCRA-SQG, FINDS, and HAZNET databases.
- Berryessa Shell is listed in the HAZNET database.
- 1705 Berryessa SJ Shell is listed in the CA WDS.
- Shell is listed in the Historical CORTESE, LUST, and Historical LUST.

The following adjoining properties or nearby properties located up- to crossgradient with cases involving groundwater were identified by EDR and summarized as follows:

- Chevron #9-6215, 1715 Berryessa Road is listed in the LUST Historical LUST, San Jose HAZMT, SWEEPS UST, HAZNET, and Historical UST databases. Located northeast from the subject property. Case number 06S1E33D02f. Preliminary site assessment for a LUST incident began on October 1984 and pollution characterization began in June 1989, with post remedial action monitoring beginning in June 1992. The potential contaminant of concern was gasoline. According to the

government database information provided by EDR, the status is listed as “Completed –Case Closed” as of February 14, 2005. Based on this listing, Bureau Veritas reviewed records pertaining to this neighboring property on GeoTracker. This LUST site is upgradient of the subject property. Extensive remediation, including soil excavation, free product removal (via hand bailing) and groundwater extraction was performed at the site. January/April 2004 quarterly groundwater monitoring was performed and free product was not observed in the monitoring wells. No petroleum hydrocarbons or fuel oxygenates were detected above the laboratory detection limits. The Chevron #9-6215 Service Station is currently an active/operating fueling facility. Review of the recent analytical results indicated that containment levels are stable and below levels of regulatory concern. Site remediation activities appear to have been successful in removing free product from the site. In addition, the residual contamination appears to be localized in the vicinity of the former USTs and associated piping and dispensers. The LUST case was closed as of February 14, 2005.

6.0 NON-ASTM CONSIDERATIONS

Bureau Veritas assessed non-ASTM considerations associated with the subject property. Assessment of non-ASTM considerations was generally limited, and should not be considered comprehensive.

6.1 MICROBIAL GROWTH & MOISTURE INTRUSION

A visual inspection of all areas associated with the subject property for evidence of moisture incursion and visible fungal growth was performed. The inspection was not intended to disclose all possible microbial reservoirs or growth sites; rather, it was designed to screen the subject property for evidence of potential microbial issues in the areas inspected. Physical sampling and analysis of materials or air was not conducted during the assessment.

During the inspection, no evidence of significant visible water staining/damage and possible fungal growth was observed.

6.2 WETLANDS

Bureau Veritas made visual observations for indications of the presence or potential presence of wetland areas on or immediately adjacent to the subject property. During reconnaissance, Bureau Veritas observed no such indications of wetlands. No wetlands survey was performed.

7.0 FINDINGS AND OPINIONS

Bureau Veritas identified obvious subject property uses from the present back to 1939, at which time the Bureau Veritas identified obvious subject property uses from the present back to 1939, at which time the subject property was in agricultural use consisting primarily of row crops, as well as scattered farm residences and associated agricultural support buildings (barns, sheds, etc.). This use continued until at least 1965. By 1974, the subject property was developed with a Shell gas station. The current gas station configuration is somewhat different from 1974. In particular, the original UST pad and fuel dispenser canopy were located on the southeast side of the subject property, along the Berryessa Road

frontage; the station building, which included service bays, was located on the west portion of the subject property. The tank pit originally contained three 8,000-gallon gasoline USTs, and the service building utilized a waste oil UST at its southwest corner. The original tanks were of single-wall steel construction as was the appurtenant piping. In 1987, the waste oil UST was removed and the original tanks were replaced with the current USTs, which are of double-walled, fiberglass construction. In 1999, the subject property was renovated, which included the removal of two hydraulic hoists, four gasoline dispensers, and associated piping. The service building was demolished in 1999 during renovation, and the current car wash building and associated wastewater clarifier were constructed on the west side of the customer restrooms/storage building at that time. An additional station monitoring system upgrade completed in 2005. Based on the records reviewed, vehicle servicing is known to have been conducted. Adjoining properties to the northeast was also developed with gas stations by at least 1980, when other surrounding uses included commercial and residential development to the north and commercial development to the east and southeast. Agricultural land was still located to the southwest and west. By at least 1993, the subject property was surrounded with commercial and residential property.

According to information released by the California Attorney General, a recent statewide investigation by the RWQCB resulted in a Final Judgment and Injunction between Shell Oil Company and the State of California dated November 6, 2009, pertaining to alleged violations of hazardous waste and UST regulations at retail service stations across California. The alleged violations related to leak detection monitoring systems, UST system compliance testing, hazardous materials business plans (HMBPs), and employee training among other issues. The Final Judgment requires Shell Oil Company to notify the State when any facility is sold or transferred, to comply with statutes, regulations, and permits, and to maintain a “UST Compliance Management Program.” The Final Judgment and Injunction lacked specific information regarding alleged violations that may have pertained to the subject property.

This ESA revealed the following findings:

- The subject property has an active UST release case under investigation dating to USTs removed in 1987 (three former USTs dating to at least 1974) and 1999 (renovation activities). Groundwater extraction and treatment (GWET) remediation consisting of extraction wells system was deactivated in October 2005 due to low concentrations of petroleum hydrocarbons in the extracted fluids. A request for case closure has been submitted on November 11, 2009, and the regulatory status is no further action pending closure review. However, onsite groundwater contamination subject to regulatory oversight is a REC.
- The subject property is an active gas station with three, 12,000-gallon USTs. The current USTs were installed in 1987. The USTs are of double-walled fiberglass construction, and are located on the southern portion of the subject property. Product lines are of double-walled fiberglass construction. The tanks and lines are equipped with automatic leak detection. Based on the age and construction of the USTs, this finding is a PEC.
- The subject property conducted automobile repair related activities from at least 1974 to 1999. Service operations at the subject property included the use and storage of hazardous materials including a 500-gallon waste oil UST, two in-ground hydraulic hoists, as well as likely quantities of antifreeze, lubricants, paints and other automobile related hazardous materials. Soil samples were collected beneath hoists upon removal, and the general area of the former waste oil tank has been

investigated. There were no petroleum hydrocarbons and MTBE detected in either hoist soil sample. Therefore, this finding is an historic REC but is not a current REC.

- Chevron #9-6215, located at 1715 Berryessa Road (northeast adjoining property) was identified as having a release of gasoline from a UST impacting groundwater. This station is currently an active/operating fueling facility. Groundwater on the adjoining property generally flowed west. Residual contamination in soil and groundwater remains; however, the January/April 2004 quarterly groundwater monitoring was performed and free product was not observed in any of the monitoring wells. No petroleum hydrocarbons or fuel oxygenates were detected above the laboratory detection limits. The facility received regulatory closure in 2005. Therefore, this finding is historical REC, but not a current REC.
- Operation of the subject property gas station involves the use and storage of the following materials for sale in original containers: motor oil, ethylene glycol engine coolant, and petroleum lubricants. The following materials are stored for use onsite: standard janitorial cleaners, oil-based paints, petroleum distillate solvents, biodegradable degreasing compound, and car wash detergent and car wax. Materials did not appear to be leaking. The presence of these materials on the subject property is *de minimis*.
- Two electrical transformers are located on the subject property. One transformer is mounted on a concrete pad and the second transformer is mounted on a pole and both were observed to be in good condition. There were no visible signs of stains or leaks associated with the transformers, which were not labeled as to PCB content. The transformers are owned and maintained by PG&E. Although the oil contained in the transformers may contain PCBs, the presence of transformers is a *de minimis* condition.
- The subject property was used for agricultural purposes from at least 1939 to at least 1965. Although not documented at the subject property, agricultural chemicals (e.g., organochlorine pesticides and metal compounds) may have been applied to the subject property. This use can result in residual concentrations of agricultural chemicals being present in the near surface soil. These residual agricultural chemicals may influence the offsite disposal of soil or pose a health risk to residential site users. However, based on our experience, residual concentrations of agricultural chemicals, if present, typically do not require cleanup or pose a significant human health risk to commercial or industrial site users. Therefore, this finding is *de minimis*.
- The plotted and orphan facilities that were identified in the database search report are not expected to present an environmental concern to the subject property because: i) they only hold an operating permit (which does not imply a problem); ii) they are not required to perform further action; iii) the nature of the identified environmental concern does not suggest that the subject property would be impacted; or iv) based upon Bureau Veritas' review, are too distant and/or hydraulically downgradient or crossgradient relative to the subject property to reasonably affect it. Therefore, this finding is *de minimis*.
- The non-ASTM issues that were evaluated during this ESA do not appear to present an environmental concern.

8.0 CONCLUSIONS

Bureau Veritas conducted a Phase I ESA in conformance with ASTM Designation: E 1527-05 of the subject property located at 1705 Berryessa Road, San Jose, Santa Clara, California. This ESA has revealed no evidence of RECs in connection with the subject property, except for the following: (these are the bullets that get copied up to the executive summary)

- Active LUST case under investigation/remediation.

Bureau Veritas recommends continued groundwater monitoring/verification monitoring for the subject property in accordance with regulatory directives.

This report prepared under the responsible charge of an environmental professional by:

Tim Orf
Consultant
Environmental Services

This report reviewed by:
(note: if you're an EP, go ahead and move that text to your own name)

I declare that, to the best of my professional knowledge and belief, I meet the definition of environmental professional as defined in §312.10 of 40 CFR 312. I have the specific qualifications based on education, training, and experience to assess a property of the nature, history, and setting of the subject property. I have developed and performed the all appropriate inquiries in conformance with the standards and practices set forth in 40 CFR Part 312.

Trevor A. Donaghu, REA
Senior Project Manager
Health, Safety, and Environmental Services

This report reviewed by:

John A. Rosso
Regional Director
Health, Safety, and Environmental Services

February 10, 2010
Project No. 33109-009599.00

9.0 SOURCES AND REFERENCES

Persons/Agencies Contacted

- Mr. Nick Goyal, Subject Property Owner representative, (510) 657-9150
- Mr. Benny Santos, Subject Property Supervisor, (408) 223-8817
- Santa Clara County Assessor, staff (408) 299-5570
- Santa Clara County Fire Department (408) 378-9342 (FOIA Request)
- Santa Clara County Department of Environmental Health, Mr. Chris Widmann (408) 918-3400 (FOIA Request)
- City of San Jose Fire Prevention (408) 535-7692 (FOIA Request)
- City San Jose Building Department (FOIA Request)
- Regional Water Quality Control Board – (510) 622-2460 (FOIA Request)
- Department of Toxic Substances Control – (510) 540-3801 (FIOA Request)

Documents Reviewed

- Aerial photographs dated 1939, 1948, 1956, 1965, 1974, 1982, 1993, 1998, and 2005 obtained from EDR, EDR Aerial Photo Decade Package, dated, December 17, 2009
- Radius Map with GeoCheck® , Environmental Data Resources, Inc. (EDR), Inquiry Number 02658827.1984r dated December 14, 2009
- Sanborn Fire Insurance certified "no coverage" letter obtained from EDR, dated December 14, 2009
- City Directory-Abstract, EDR, approximate 5-year intervals from 1922 through 2006
- United States Geological Survey (USGS) Topographic Map *San Jose East, California Quadrangle Map, 7.5 Minute Series*, 1998
- Regional Water Quality Control Board – Geo Tracker (http://geotracker.swrcb.ca.gov/default.asp)
- Santa Clara County (http://lustop.scccgov.org)
- City of San Jose Building Department (https://www.sjpermits.org/permits/permits/general/)

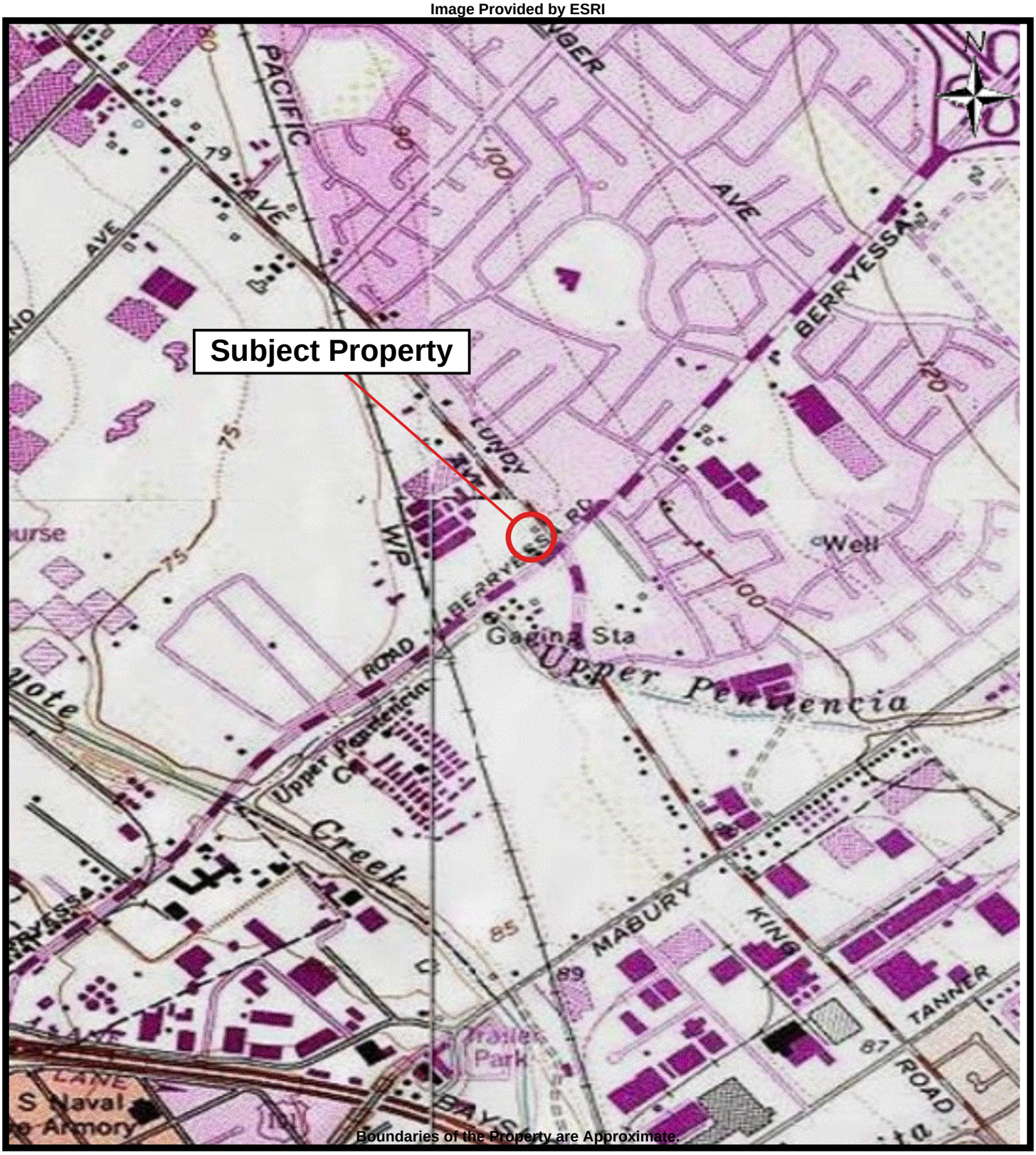
Previous Reports/Documents

- Corrective Action Plan, dated July 12, 2002, prepared by Toxichem Management System Inc.
- Letter: Request for Case Closure Concurrence-Underground Storage Tank Program Case No. 19-084, Shell, 1705 Berryessa Road, San Jose, California, dated July 23, 1996, prepared by San Jose Fire Department-Hazardous Materials Division
- Second Quarter 2009 Groundwater Monitoring Report, dated August 28, 2009, prepared by Delta Consultants
- Letter: Request for Case Closure, dated November 11, 2009, prepared by Delta Consultants

Appendix A:

Figures

Image Provided by ESRI



BUREAU VERITAS

SITE LOCATION MAP
Vintners Distributors, Inc.
1705 Berryessa
San Jose, CA 95133

PREPARED FOR: Vintners Distributors, Inc.
PROJ. MGR: Trevor Donaghu **DATE: 01/17/2010**
DRAWN BY: Tim Orf **PROJ. #: 33109-009599.00**

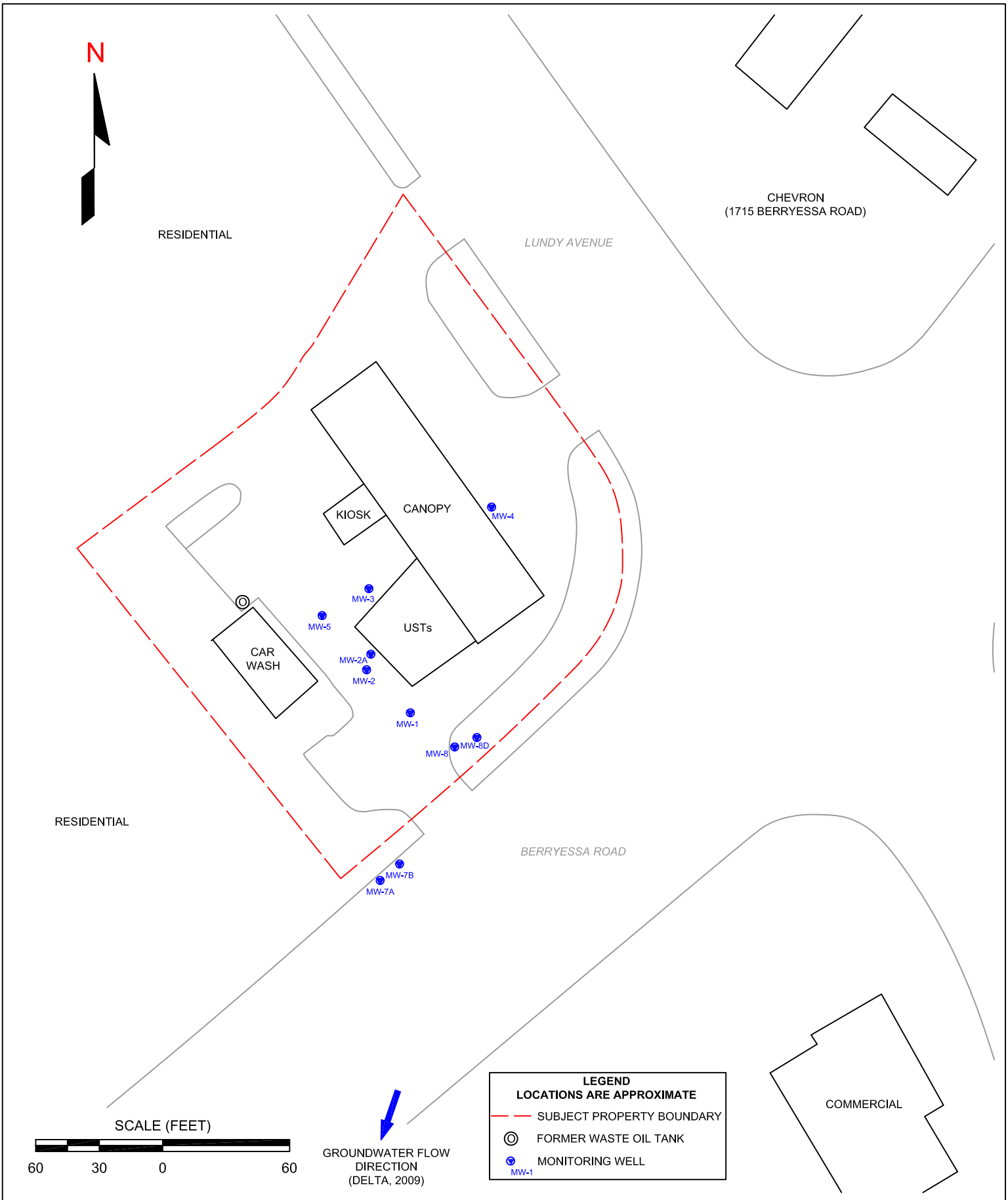


Figure
Site Plan

Bureau Veritas North America, Inc.
Health, Safety, and Environmental Services
165 South Union Blvd., Suite 310
Lakewood, Colorado 80228
303-988-2585 Telephone
303-988-2583 Fax

CLIENT
Vintners Distributors, Inc.
41805 Albrae Street
2nd Floor
Fremont, California

SITE
SHELL SERVICE STATION
1705 BERRYESSA ROAD
SAN JOSE, CALIFORNIA

Project No. 33109-9599.00-095

Last Revision
January 2010

Appendix B:

Photographs

View east from the subject property.

View south overlooking the subject property

View of pole-mounted transformer located in the northern portion of the subject property.

View of pad-mounted transformer located in the eastern portion of the subject property.

View west overlooking the subject property.

View of the car wash.

View of a concrete pad which contained the former remediation system.

IMG_3220

View of plastic drums for the car wash.

View inside the car wash.

View of the dumpster containment area located in the west corner of the subject property.

View of the air and vacuum system.

View of the public restrooms and storage closets.

IMG_3228View of monitoring wells.

View overlooking the USTs located in the southern portion of the subject property.

View northeast from the subject property, overlooking the Chevron Station.

Appendix C:

Historical Documentation

Shell Service Station
1705 Berryessa
San Jose, CA 95133

Inquiry Number: 2658827.195
December 14, 2009

Certified Sanborn® Map Report

EDR® Environmental Data Resources Inc

440 Wheelers Farms Road
Milford, CT 06461
800.352.0050
www.edrnet.com

Certified Sanborn® Map Report

12/14/09

Site Name:
Shell Service Station
1705 Berryessa
San Jose, CA 95133

Client Name:
Bureau Veritas North America,
2430 Camino Ramon, Suite
San Ramon, CA 94583

EDR Inquiry # 2658827.195

Contact: Jon Rosso

EDR® Environmental Data Resources Inc

The complete Sanborn Library collection has been searched by EDR, and fire insurance maps covering the target property location provided by Bureau Veritas North America, Inc. were identified for the years listed below. The certified Sanborn Library search results in this report can be authenticated by visiting www.edrnet.com/sanborn and entering the certification number. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by Sanborn Library LLC, the copyright holder for the collection.

Certified Sanborn Results:

Site Name:	Shell Service Station
Address:	1705 Berryessa
City, State, Zip:	San Jose, CA 95133
Cross Street:	
P.O. #	NA
Project:	NA
Certification #	5EB7-4C58-8FFB

Sanborn® Library search results
Certification # 5EB7-4C58-8FFB

UNMAPPED PROPERTY

This report certifies that the complete holdings of the Sanborn Library, LLC collection have been searched based on client supplied target property information, and fire insurance maps covering the target property were not found.

The Sanborn Library includes more than 1.2 million Sanborn fire insurance maps, which track historical property usage in approximately 12,000 American cities and towns. Collections searched:

- ✔ Library of Congress
- ✔ University Publications of America
- ✔ EDR Private Collection

Limited Permission To Make Copies

Bureau Veritas North America, Inc. (the client) is permitted to make up to THREE photocopies of this Sanborn Map transmittal and each fire insurance map accompanying this report solely for the limited use of its customer. No one other than the client is authorized to make copies. Upon request made directly to an EDR Account Executive, the client may be permitted to make a limited number of additional photocopies. This permission is conditioned upon compliance by the client, its customer and their agents with EDR's copyright policy; a copy of which is available upon request.

Disclaimer - Copyright and Trademark notice

This Report contains certain information obtained from a variety of public and other sources reasonably available to Environmental Data Resources, Inc. It cannot be concluded from this Report that coverage information for the target and surrounding properties does not exist from other sources. NO WARRANTY EXPRESSED OR IMPLIED, IS MADE WHATSOEVER IN CONNECTION WITH THIS REPORT. ENVIRONMENTAL DATA RESOURCES, INC. SPECIFICALLY DISCLAIMS THE MAKING OF ANY SUCH WARRANTIES, INCLUDING WITHOUT LIMITATION, MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE OR PURPOSE. ALL RISK IS ASSUMED BY THE USER. IN NO EVENT SHALL ENVIRONMENTAL DATA RESOURCES, INC. BE LIABLE TO ANYONE, WHETHER ARISING OUT OF ERRORS OR OMISSIONS, NEGLIGENCE, ACCIDENT OR ANY OTHER CAUSE, FOR ANY LOSS OF DAMAGE, INCLUDING, WITHOUT LIMITATION, SPECIAL, INCIDENTAL CONSEQUENTIAL, OR EXEMPLARY DAMAGES. ANY LIABILITY ON THE PART OF ENVIRONMENTAL DATA RESOURCES, INC. IS STRICTLY LIMITED TO A REFUND OF THE AMOUNT PAID FOR THIS REPORT. Purchaser accepts this Report "AS IS". Any analyses, estimates, ratings, environmental risk levels or risk codes provided in this Report are provided for illustrative purposes only, and are not intended to provide, nor should they be interpreted as providing any facts regarding, or prediction or forecast of, any environmental risk for any property. Only a Phase I Environmental Site Assessment performed by an environmental professional can provide information regarding the environmental risk for any property. Additionally, the information provided in this Report is not to be construed as legal advice.

Copyright 2009 by Environmental Data Resources, Inc. All rights reserved. Reproduction in any media or format, in whole or in part, of any report or map of Environmental Data Resources, Inc., or its affiliates, is prohibited without prior written permission.

EDR and its logos (including Sanborn and Sanborn Map) are trademarks of Environmental Data Resources, Inc. or its affiliates. All other trademarks used herein are the property of their respective owners.

Shell Service Station
1705 Berryessa
San Jose, CA 95133

Inquiry Number: 2658827.200
December 14, 2009

The EDR Property Tax Map Report

Environmental Data Resources Inc

440 Wheelers Farms Road
Milford, CT 06461
800.352.0050
www.edrnet.com

EDR Property Tax Map Report

Environmental Data Resources, Inc.'s EDR Property Tax Map Report is designed to assist environmental professionals in evaluating potential environmental conditions on a target property by understanding property boundaries and other characteristics. The report includes a search of available property tax maps, which include information on boundaries for the target property and neighboring properties, addresses, parcel identification numbers, as well as other data typically used in property location and identification.

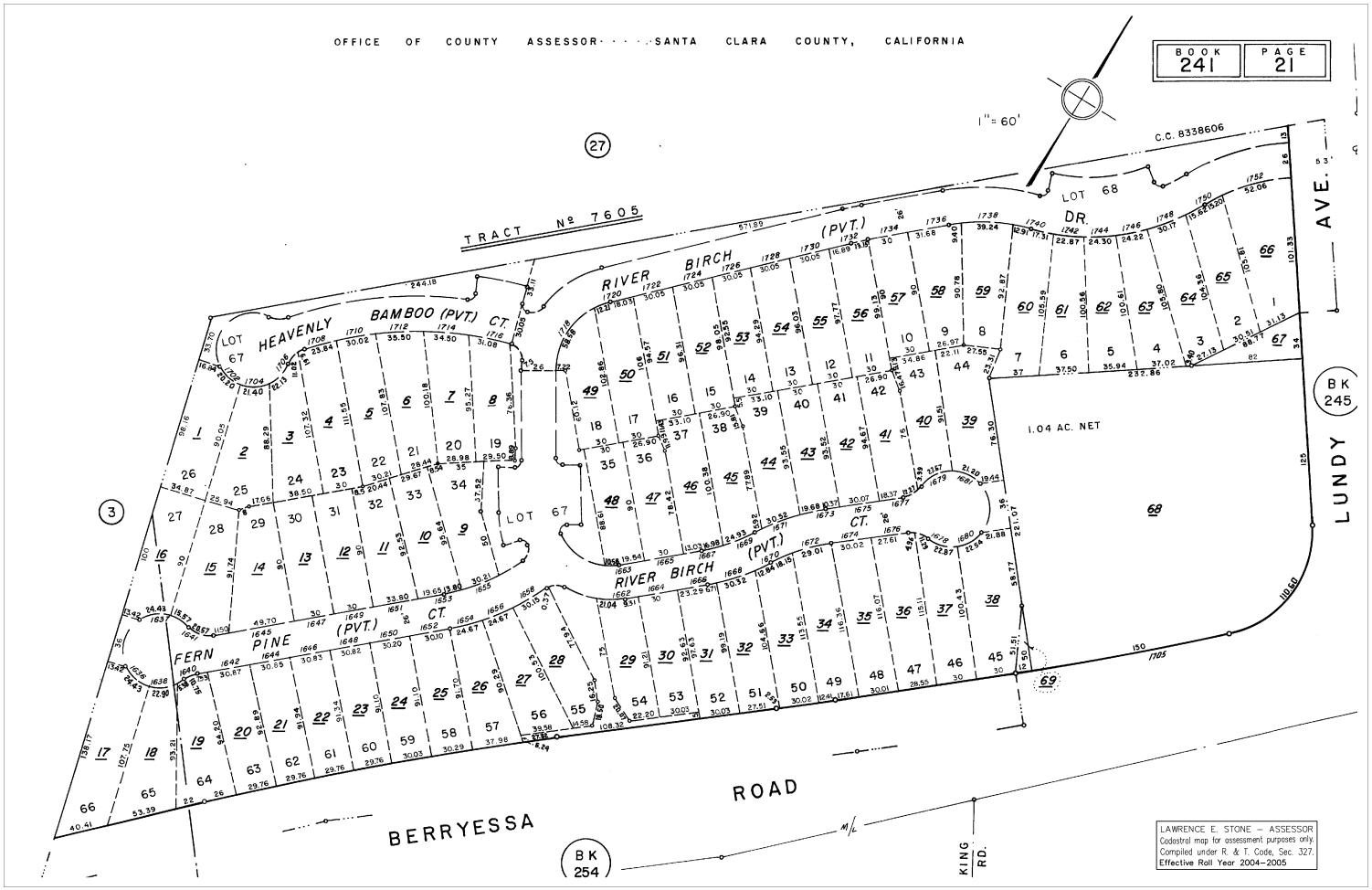
Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

Disclaimer - Copyright and Trademark Notice

This Report contains certain information obtained from a variety of public and other sources reasonably available to Environmental Data Resources, Inc. It cannot be concluded from this Report that coverage information for the target and surrounding properties does not exist from other sources. **NO WARRANTY EXPRESSED OR IMPLIED, IS MADE WHATSOEVER IN CONNECTION WITH THIS REPORT. ENVIRONMENTAL DATA RESOURCES, INC. SPECIFICALLY DISCLAIMS THE MAKING OF ANY SUCH WARRANTIES, INCLUDING WITHOUT LIMITATION, MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE OR PURPOSE. ALL RISK IS ASSUMED BY THE USER. IN NO EVENT SHALL ENVIRONMENTAL DATA RESOURCES, INC. BE LIABLE TO ANYONE, WHETHER ARISING OUT OF ERRORS OR OMISSIONS, NEGLIGENCE, ACCIDENT OR ANY OTHER CAUSE, FOR ANY LOSS OR DAMAGE, INCLUDING, WITHOUT LIMITATION, SPECIAL, INCIDENTAL, CONSEQUENTIAL, OR EXEMPLARY DAMAGES. ANY LIABILITY ON THE PART OF ENVIRONMENTAL DATA RESOURCES, INC. IS STRICTLY LIMITED TO A REFUND OF THE AMOUNT PAID FOR THIS REPORT.** Purchaser accepts this Report "AS IS". Any analyses, estimates, ratings, environmental risk levels or risk codes provided in this Report are provided for illustrative purposes only, and are not intended to provide, nor should they be interpreted as providing any facts regarding, or prediction orforecast of, any environmental risk for any property. Only a Phase I Environmental Site Assessment performed by an environmental professional can provide information regarding the environmental risk for any property. Additionally, the information provided in this Report is not to be construed as legal advice.

Copyright 2008 by Environmental Data Resources, Inc. All rights reserved. Reproduction in any media or format, in whole or in part, of any report or map of Environmental Data Resources, Inc. or its affiliates is prohibited without prior written permission.

EDR and its logos (including Sanborn and Sanborn Map) are trademarks of Environmental Data Resources, Inc. or its affiliates. All other trademarks used herein are the property of their respective owners.


OFFICE OF COUNTY ASSESSOR · · · · SANTA CLARA COUNTY, CALIFORNIA
BOOK 241
PAGE 21
1" = 60'
C.C. 8338606
TRACT № 7605
HEAVENLY BAMBOO (PVT.) CT.
RIVER BIRCH (PVT.) DR.
RIVER BIRCH (PVT.) CT.
FERN PINE (PVT.) CT.
LOT 67
LOT 68
LOT 69
1.04 AC. NET
LUNDY AVE.
BERRYESSA ROAD
KING RD.
BK 245
BK 254
27
3
LAWRENCE E. STONE – ASSESSOR
Cadastral map for assessment purposes only.
Compiled under R. & T. Code, Sec. 327.
Effective Roll Year 2004–2005

Shell Service Station
1705 Berryessa
San Jose, CA 95133

Inquiry Number: 2658827.199
December 18, 2009

The EDR Environmental LienSearch™ Report

Environmental Data Resources Inc

440 Wheelers Farms Road
Milford, CT 06461
800.352.0050
www.edrnet.com

The EDR Environmental LienSearch™ Report

The EDR Environmental LienSearch Report provides results from a search of available current land title records for environmental cleanup liens and other activity and use limitations, such as engineering controls and institutional controls.

A network of professional, trained researchers, following established procedures, uses client supplied address information to:

- search for parcel information and/or legal description;
- search for ownership information;
- research official land title documents recorded at jurisdictional agencies such as recorders' offices, registries of deeds, county clerks' offices, etc.;
- access a copy of the deed;
- search for environmental encumbering instrument(s) associated with the deed;
- provide a copy of any environmental encumbrance(s) based upon a review of key words in the instrument(s) (title, parties involved, and description); and
- provide a copy of the deed or cite documents reviewed.

Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

Disclaimer - Copyright and Trademark Notice

This Report contains certain information obtained from a variety of public and other sources reasonably available to Environmental Data Resources, Inc. It cannot be concluded from this Report that coverage information for the target and surrounding properties does not exist from other sources. **NO WARRANTY EXPRESSED OR IMPLIED, IS MADE WHATSOEVER IN CONNECTION WITH THIS REPORT. ENVIRONMENTAL DATA RESOURCES, INC. SPECIFICALLY DISCLAIMS THE MAKING OF ANY SUCH WARRANTIES, INCLUDING WITHOUT LIMITATION, MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE OR PURPOSE. ALL RISK IS ASSUMED BY THE USER. IN NO EVENT SHALL ENVIRONMENTAL DATA RESOURCES, INC. BE LIABLE TO ANYONE, WHETHER ARISING OUT OF ERRORS OR OMISSIONS, NEGLIGENCE, ACCIDENT OR ANY OTHER CAUSE, FOR ANY LOSS OR DAMAGE, INCLUDING, WITHOUT LIMITATION, SPECIAL, INCIDENTAL, CONSEQUENTIAL, OR EXEMPLARY DAMAGES. ANY LIABILITY ON THE PART OF ENVIRONMENTAL DATA RESOURCES, INC. IS STRICTLY LIMITED TO A REFUND OF THE AMOUNT PAID FOR THIS REPORT.** Purchaser accepts this Report "AS IS". Any analyses, estimates, ratings, environmental risk levels or risk codes provided in this Report are provided for illustrative purposes only, and are not intended to provide, nor should they be interpreted as providing any facts regarding, or prediction orforecast of, any environmental risk for any property. Only a Phase I Environmental Site Assessment performed by an environmental professional can provide information regarding the environmental risk for any property. Additionally, the information provided in this Report is not to be construed as legal advice.

Copyright 2008 by Environmental Data Resources, Inc. All rights reserved. Reproduction in any media or format, in whole or in part, of any report or map of Environmental Data Resources, Inc. or its affiliates is prohibited without prior written permission.

EDR and its logos (including Sanborn and Sanborn Map) are trademarks of Environmental Data Resources, Inc. or its affiliates. All other trademarks used herein are the property of their respective owners.

The EDR Environmental LienSearch™ Report

TARGET PROPERTY INFORMATION

ADDRESS

1705 Berryessa
Shell Service Station
San Jose, CA 95133

RESEARCH SOURCE

Source 1:

Santa Clara County Recorder
SANTA_CLARA, CA

PROPERTY INFORMATION

Deed 1:

Type of Deed:	Individual Grant Deed
Title is vested in:	Inouye 1989 Family Trust
Title received from:	Inouye Takeshi and Mabel
Deed Dated	10/11/1989
Deed Recorded:	10/13/1989
Book:	NA
Page:	NA
Volume:	NA
Instrument:	10288562
Docket:	NA
Land Record Comments:	
Miscellaneous Comments:	
Legal Description:	See Exhibit
Legal Current Owner:	Inouye 1989 Family Trust
Property Identifiers:	241-21-079
Comments:	See Exhibit

ENVIRONMENTAL LIEN

Environmental Lien: Found ☐ Not Found ☒

OTHER ACTIVITY AND USE LIMITATIONS (AULs)

AULs: Found ☐ Not Found ☒

Deed Exhibit 1

10288562

RECORDING REQUESTED BY

Ronald G. Coleman, Esq.

AND WHEN RECORDED MAIL TO

Name: Takeshi J. and Mabel Inouye
Street Address: 1174 Rhinecastle Way
City & State: San Jose, CA 95120-1732

MAIL TAX STATEMENTS TO

Name: S A M E
Street Address:
City & State:

REC FEE	3
RMF	1
MICRO	1
LIEN	
SMPF	10
PCOR	

FILED FOR RECORD AT REQUEST OF
I Houye
Oct 13 9 36 AM '89
OFFICIAL RECORDS
SANTA CLARA COUNTY
LAURIE KANE
RECORDER
10288562
L130 PAGE 612

SPACE ABOVE THIS LINE FOR RECORDER'S USE

CAT. NO NN00582
TO 1923 CA (2-83)

Individual Grant Deed

THIS FORM FURNISHED BY TICOR TITLE INSURERS

ALL | PTN.

The undersigned grantor(s) declare(s):
Documentary transfer tax is $ _____.
( ) computed on full value of property conveyed, or
( ) computed on full value less value of liens and encumbrances remaining at time of sale.
( ) Unincorporated area: (xx) City of San Jose, and

FOR A VALUABLE CONSIDERATION, receipt of which is hereby acknowledged,

Takeshi J. Inouye and Mabel Inouye, his wife AS ~~COMMUNITY PROPERTY~~ joint tenants T.J.

hereby GRANT(S) to
Takeshi J. Inouye and Maoel Inouye, Trustees, Takeshi J. and Mabel Inouye 1989 Family Trust
the following described real property in the City of San Jose, State of California:
County of Santa Clara

Their one-half tenant-in-common interest in THAT PORTION OF LOT NO. 29 OF THE FORMER PUEBLO LANDS OF THE CITY OF SAN JOSE, DESCRIBED AS FOLLOWS:
COMMENCING at a point on the centerline of Lundy Avenue as shown on the map filed at Book 242 of Maps at Page 50 in the office of the County Recorder of Santa Clara County, California, distant thereon North 35° 01' 54", 201.12 feet from the most northerly corner of Parcel B as shown on said Record of Survey; thence South 54° 58' 06" West, 53.00 feet to the True Point of Beginning; thence South 35° 01' 54" East, parallel with said centerline of Lundy Avenue 125.00 feet to the beginning of a tangent curve concave westerly having a radius of 78.00 feet; thence southeasterly, southerly and southwesterly along said curve through a central angle of 81° 14' 37" an arc distance of 110.60 feet to the beginning of a compound curve concave northwesterly having a radius of 2435.00 feet; thence southwesterly along said curve through a central angle of 3° 31' 46" an arc distance of 150.00 feet; thence North 39° 40' 13" West, 221.07 feet; thence North 54° 58' 06" East, 232.86 feet to the True Point of Beginning.

Dated: October 11, 1989

Takeshi J. Inouye
Takeshi J. Inouye

Mabel Inouye
Mabel Inouye

STATE OF CALIFORNIA
COUNTY OF Santa Clara } ss.
On October 11, 1989 before me, the undersigned, a Notary Public in and for said State, personally appeared Takeshi J. Inouye and Mabel Inouye
personally known to me or proved to me on the basis of satisfactory evidence to be the person S whose name S subscribed to the within instrument and acknowledged that they executed the same.
WITNESS my hand and official seal.

Signature

OFFICIAL SEAL
R. G. COLEMAN
NOTARY PUBLIC - CALIFORNIA
SANTA CLARA COUNTY
My Comm. Expires Aug. 9, 1993

(This area for official notarial seal)

Title Order No. _____ Escrow or Loan No. _____

MAIL TAX STATEMENTS AS DIRECTED ABOVE

MISCELLANEOUS EXHIBITS

DOCUMENT: 19846313

Pages: 7

Fees. . 27.00
Taxes
Copies. .
AMT PAID 27.00

REGINA ALCOMENDRAS
SANTA CLARA COUNTY RECORDER
Recorded at the request of
Attorney

RDE # 010
5/08/2008
11:33 AM

Recording requested by and
When recorded mail to:

Roger D. Wintle
Heritage Law Group
99 Almaden Blvd., Ste. 710
San Jose, CA 95113

Space above this line for recorder's use

Mail tax statements to:

Mabel Inouye
1174 Rhinecastle Way
San Jose, CA 95120

ASSESSOR'S PARCEL NUMBER: 241-21-068

TRUST TRANSFER GRANT DEED

The undersigned Grantor declares:

Documentary transfer tax is $-0-.

This grant deed is an inter vivos transfer by reason of death and is exempt from Documentary Transfer Taxes under R & T Code Section 11930.

Mabel Inouye TTEE
Mabel Inouye, Trustee

THERE IS NO CONSIDERATION FOR THIS TRANSFER

This conveyance does not constitute a "change of ownership" under Revenue and Taxation Code Section 62.

Grantor: Mabel Inouye, trustee of the Takeshi J. and Mabel Inouye 1989

Family Trust,

Grants to Mabel Inouye, Trustee, or her successors in trust of the Bypass Trust created under the Takeshi J. and Mabel Inouye 1989 Family Trust, the following described real property in the City of San Jose, County of Santa Clara, State of California described as follows:

SEE EXHIBIT "A" ATTACHED HERETO AND MADE A PART HEREOF.

Dated: April 25 2008

Mabel Inouye TTEE

Mabel Inouye, Trustee

NOTARIAL ACKNOWLEDGMENT

STATE OF CALIFORNIA)
) SS.
COUNTY OF SANTA CLARA)

On 4-25-08, before me, Stacey M. Estrada, a Notary Public for the State of California, personally appeared Mabel Inouye, who 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/~~the~~y executed the same in ~~his~~/her/~~their~~ authorized capacity (ies), and that by ~~his~~/her/~~their~~ signatures on the instrument the person (s) , or the entity upon behalf of which the person (s) acted, executed the instrument.

I certify under Penalty of Perjury under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal

Signature _____ (Seal)
Notary Public

STACEY M. ESTRADA
COMM. #1742690
Notary Public-California
SANTA CLARA COUNTY
My Comm. Exp May 25, 2011

EXHIBIT A

PARCEL NO. 1

That portion of Lot No. 29 of the former Pueblo Lands of the City of San Jose, described as follows:

COMMENCING at a point on the centerline of Lundy Avenue as shown on the map filed at Book 249 of Maps at Page 50 in the office of the County Recorder of Santa Clara County, California, distant thereon North 35° 01′ 54" West, 201.12 feet from the most northerly corner of Parcel B as shown on said Record of Survey; thence South 54° 58′ 06" West, 53.00 feet to the True Point of Beginning; thence South 35° 01′ 54" East, parallel with said centerline of Lundy Avenue 125.00 feet to the beginning of a tangent curve concave westerly having a radius of 78.00 feet; thence southeasterly, southerly and southwesterly along said curve through a central angle of 81° 14′ 37′ an arc distance of 110.60 feet to the beginning of a compound curve concave northwesterly having a radius of 2435.00 feet; thence southwesterly along said curve through a central angle of 3° 31′ 46" an arc distance of 150.00 feet; thence North 39° 40′ 13" West, 221.07 feet; thence North 54° 58′ 06" East, 232.86 feet to the True Point of Beginning, together with all rights, privileges and appurtenances thereto (and which, with the land, are herein collectively called "premises").

Reserving therefrom an easement of ingress and egress over the following described portion of the premises:

That portion of Lot No. 29 of the former Pueblo Lands of the City of San Jose, described as follows:

BEGINNING at the most southerly corner of Parcel 1 described above; thence North 39° 40′ 13" West, 50.00 feet; thence South 65° 28′ 18" East, 55.13 feet to a point on the southeasterly line of said Parcel 1, being a point on a curve concave northwesterly having a radius of 2435.00 feet; a radial line through said point bears South 40° 49′ 24" East; thence southwesterly along said curve, through a central angle of 0° 33′ 53" an arc distance of 24.00 feet to the Point of Beginning.

Together with easements over the following described portions adjoining the premises on the west and north:

Those portions of Lot No. 29 of the former Pueblo Lands of the City of San Jose, described as follows:

EASEMENT NO. 1

COMMENCING at a point on the centerline of Lundy Avenue as shown on the map filed at Book 249 of Maps at Page 50 in the office of the County Recorder of Santa Clara County, California, distant thereon North 35° 01′ 54" West, 201.12 feet from the most northerly corner of Parcel B as shown on said Record of Survey; thence South 54° 58′ 06" West, 53.00 feet; thence South 35° 01′ 54" East, parallel with said centerline of Lundy Avenue 125.00 feet to the beginning of a tangent curve concave westerly having a radius of 78.00 feet; thence southeasterly, southerly and southwesterly along said curve through a central angle of 81° 14′ 37" an arc distance of 110.60 feet to the beginning of a compound curve concave northwesterly having a radius of 2435.00 feet; thence southwesterly along said curve through a central angle of 3° 31′ 46" an arc distance of 150.00 feet to the True Point of Beginning; thence continuing southwesterly along said curve through a central angle of 0° 16′ 56" on arc distance of 12.00 feet; thence North 26° 12′ 18" West, 51.51 feet to a point which bears North 39° 40′ 13" West 50.00 feet from the True Point of Beginning; thence South 39° 40′ 13" East, 50.00 feet to the True Point of Beginning.

COMMENCING at a point on the centerline of Lundy Avenue as shown on the map filed at Book 249 of Maps, at Page 50 in the office of the County Recorder of Santa Clara County, California, distant thereon North 35° 01′ 54" West, 201.12 feet from the most northerly corner of Parcel B as shown on said Record of Survey; thence South 54° 58′ 06" West, 53.00 feet to the True Point of Beginning; thence North 35° 01′ 54" West parallel with said centerline of Lundy Avenue, 34.00 feet, thence South 32° 26′ 51" West, 88.77 feet to a point distant South 54° 58′ 06" West, 82.00 feet from the True Point of Beginning; thence North 54° 58′ 06" East, 82.00 feet to the True Point of Beginning.

EASEMENT NO. 2

COMMENCING at a point on the centerline of Lundy Avenue as shown on the map filed at Book 249 of Maps at Page 50 in the office of the County Recorder of Santa Clara County, California, distant thereon North 35° 01′ 54" West, 201.12 feet from the most northerly corner of Parcel B as shown on said Record of Survey; thence South 54° 58′ 06 West, 53.00 feet; thence South 35° 01′ 54" East, parallel with said centerline of Lundy Avenue 125.00 feet to the beginning of a tangent curve concave westerly having a radius of 78.00 feet; thence southeasterly, southerly and southwesterly along said curve through a central angle of 81° 14′ 37" an arc

distance of 110.60 feet to the beginning of a compound curve concave northwesterly having a radius of 2435.00 feet; thence southwesterly along said curve through a central angle of 3° 31′ 46" an arc distance of 150.00 feet to the True Point of Beginning; thence continuing southwesterly along said curve through a central angle of 0° 16′ 56" an arc distance of 12.00 feet; thence North 26° 12′ 18" West, 51.51 feet to a point which bears North 39° 40′ 13" West, 50.00 feet from the True Point of Beginning; thence South 39° 40′ 13" East, 50.00 feet to the True Point of Beginning.

APN: 204-6836-1801
Address: 1705 Berryessa Road, San Jose, CA

Shell Service Station
1705 Berryessa Rd
San Jose, CA 95131

Inquiry Number: 2658827.198
December 18, 2009

The EDR-City Directory Abstract

Environmental Data Resources Inc

440 Wheelers Farms Road
Milford, CT 06461
800.352.0050
www.edrnet.com

TABLE OF CONTENTS

SECTION

Executive Summary

Findings

Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

Disclaimer - Copyright and Trademark Notice

This Report contains certain information obtained from a variety of public and other sources reasonably available to Environmental Data Resources, Inc. It cannot be concluded from this Report that coverage information for the target and surrounding properties does not exist from other sources. **NO WARRANTY EXPRESSED OR IMPLIED, IS MADE WHATSOEVER IN CONNECTION WITH THIS REPORT. ENVIRONMENTAL DATA RESOURCES, INC. SPECIFICALLY DISCLAIMS THE MAKING OF ANY SUCH WARRANTIES, INCLUDING WITHOUT LIMITATION, MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE OR PURPOSE. ALL RISK IS ASSUMED BY THE USER. IN NO EVENT SHALL ENVIRONMENTAL DATA RESOURCES, INC. BE LIABLE TO ANYONE, WHETHER ARISING OUT OF ERRORS OR OMISSIONS, NEGLIGENCE, ACCIDENT OR ANY OTHER CAUSE, FOR ANY LOSS OR DAMAGE, INCLUDING, WITHOUT LIMITATION, SPECIAL, INCIDENTAL, CONSEQUENTIAL, OR EXEMPLARY DAMAGES. ANY LIABILITY ON THE PART OF ENVIRONMENTAL DATA RESOURCES, INC. IS STRICTLY LIMITED TO A REFUND OF THE AMOUNT PAID FOR THIS REPORT.** Purchaser accepts this Report "AS IS". Any analyses, estimates, ratings, environmental risk levels or risk codes provided in this Report are provided for illustrative purposes only, and are not intended to provide, nor should they be interpreted as providing any facts regarding, or prediction orforecast of, any environmental risk for any property. Only a Phase I Environmental Site Assessment performed by an environmental professional can provide information regarding the environmental risk for any property. Additionally, the information provided in this Report is not to be construed as legal advice.

Copyright 2009 by Environmental Data Resources, Inc. All rights reserved. Reproduction in any media or format, in whole or in part, of any report or map of Environmental Data Resources, Inc. or its affiliates is prohibited without prior written permission.

EDR and its logos (including Sanborn and Sanborn Map) are trademarks of Environmental Data Resources, Inc. or its affiliates. All other trademarks used herein are the property of their respective owners.

2009 Enhancements to EDR City Directory Abstract

New for 2009, the EDR City Directory Abstract has been enhanced with additional information and features. These enhancements will make your city directory research process more efficient, flexible, and insightful than ever before. The enhancements will improve the options for selecting adjoining properties, and will speed up your review of the report.

City Directory Report. Three important enhancements have been made to the EDR City Directory Abstract:

1. *Executive Summary.* The report begins with an Executive Summary that lists the sources consulted in the preparation of the report. Where available, a parcel map is also provided within the report, showing the locations of properties researched.

2. *Page Images.* Where available, the actual page source images will be included in the Appendix, so that you can review them for information that may provide additional insight. EDR has copyright permission to include these images.

3. *Findings Listed by Location.* Another useful enhancement is that findings are now grouped by address. This will significantly reduce the time you need to review your abstracts. Findings are provided under each property address, listed in reverse chronological order and referencing the source for each entry.

Options for Selecting Adjoining Properties. Ensuring that the right adjoining property addresses are searched is one of the biggest challenges that environmental professionals face when conducting city directory historical research. EDR's new enhancements make it easier for you to meet this challenge. Now, when you place an order for the EDR City Directory Abstract, you have the following choices for determining which addresses should be researched.

1. *You Select Addresses and EDR Selects Addresses.* Use the "Add Another Address" feature to specify the addresses you want researched. Your selections will be supplemented by addresses selected by EDR researchers using our established research methods. Where available, a digital map will be shown, indicating property lines overlaid on a color aerial photo and their corresponding addresses. Simply use the address list below the map to check off which properties shown on the map you want to include. You may also select other addresses using the "Add Another Address" feature at the bottom of the list.

2. *EDR Selects Addresses.* Choose this method if you want EDR's researchers to select the addresses to be researched for you, using our established research methods.

3. *You Select Addresses.* Use this method for research based solely on the addresses you select or enter into the system.

4. *Hold City Directory Research Option.* If you choose to select your own adjoining addresses, you may pause production of your EDR City Directory Abstract report until you have had a chance to look at your other EDR reports and sources. Sources for property addresses include: your Certified Sanborn Map Report may show you the location of property addresses; the new EDR Property Tax Map Report may show the location of property addresses; and your field research can supplement these sources with additional address information. To use this capability, simply click "Hold City Directory research" box under "Other Options" at the bottom of the page. Once you have determined what addresses you want researched, go to your EDR Order Status page, select the EDR City Directory Abstract, and enter the addresses and submit for production.

Questions? Contact your EDR representative at 800-352-0050. For more information about all of EDR's 2009 report and service enhancements, visit www.edrnet.com/2009enhancements

EXECUTIVE SUMMARY

DESCRIPTION

Environmental Data Resources, Inc.'s (EDR) City Directory Abstract is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's City Directory Abstract includes a search and abstract of available city directory data. For each address, the directory lists the name of the corresponding occupant at five year intervals.

Business directories including city, cross reference and telephone directories were reviewed, if available, at approximately five year intervals for the years spanning 1922 through 2006. This report compiles information gathered in this review by geocoding the latitude and longitude of properties identified and gathering information about properties within 660 feet of the target property.

A summary of the information obtained is provided in the text of this report.

RESEARCH SUMMARY

The following research sources were consulted in the preparation of this report. An "X" indicates where information was identified in the source and provided in this report.

Year	Source	TP	Adjoining	Text Abstract	Source Image
2006	Haines Company, Inc.	-	X	X	-
2001	Haines Company, Inc.	-	-	-	-
2000	Haines & Company	-	X	X	-
1996	Pacific Bell	X	X	X	-
1991	PACIFIC BELL WHITE PAGES	X	X	X	-
1986	Pacific Bell	X	X	X	-
1985	Pacific Bell	X	X	X	-
1982	Pacific Telephone	-	-	-	-
1980	Pacific Telephone	X	X	X	-
1978	R. L. Polk & Co.	-	-	-	-
1975	Pacific Telephone	X	X	X	-
1974	R. L. Polk & Co.	-	-	-	-
1970	R. L. Polk & Co.	-	-	-	-
1968	R. L. Polk & Co.	-	-	-	-
1966	R. L. Polk & Co.	-	-	-	-
1965	R. L. Polk & Co.	-	-	-	-
1964	R. L. Polk Co.	-	-	-	-
1963	Pacific Telephone	-	-	-	-
1962	R. L. Polk & Co.	-	-	-	-
1960	R. L. Polk & Co.	-	-	-	-
1957	R. L. Polk Co.	-	-	-	-
1955	R.L. Polk and Co Publishers	-	-	-	-
1950	R. L. Polk Co.	-	-	-	-
1946	R. L. Polk Co.	-	-	-	-
1945	R. L. Polk & Co.	-	-	-	-

EXECUTIVE SUMMARY

Year	Source	TP	Adjoining	Text Abstract	Source Image
1942	R. L. Polk Co.	-	-	-	-
1940	R. L. Polk & Co.	-	-	-	-
1936	R. L. Polk Co.	-	-	-	-
1935	R. L. Polk Co. of California	-	-	-	-
1931	R. L. Polk Co.	-	-	-	-
1930	R. L. Polk Co. of California	-	-	-	-
1926	R. L. Polk Co.	-	-	-	-
1925	R. L. Polk Co. of California	-	-	-	-
1922	R. L. Polk Co.	-	-	-	-

FINDINGS

TARGET PROPERTY INFORMATION

ADDRESS

1705 Berryessa Rd
San Jose, CA 95131

FINDINGS DETAIL

Target Property research detail.

Year	Uses	Source
1996	BERRYESSA SHELL	Pacific Bell
1991	BERRYESSA SHELL	PACIFIC BELL WHITE PAGES
1986	Berryessa Shell	Pacific Bell
1985	BERRYESSA SHELL	Pacific Bell
1980	Berryessa Shell	Pacific Telephone
1975	SHELL OIL STATION	Pacific Telephone

FINDINGS

ADJOINING PROPERTY DETAIL

The following Adjoining Property addresses were researched for this report. Detailed findings are provided for each address.

BERRYESSA RD

1630 BERRYESSA RD

Year	Uses	Source
2000	FOLAND DENNISINC	Haines & Company
	CHARM 5 CO	Haines & Company
	LOGO EXPRESSIONS	Haines & Company
	NOVELTYSPECIALTIES	Haines & Company
	SURESHOT	Haines & Company
	REDEMPTION UNITDSWEETS	Haines & Company
	FOLAND DENNISINC	Haines & Company
	CHARM 5 CO	Haines & Company
	LOGO EXPRESSIONS	Haines & Company
	NOVELTYSPECIALTIES	Haines & Company
	SURESHOT	Haines & Company
	REDEMPTION UNITDSWEETS	Haines & Company
1996		Pacific Bell
	-B POLAND DENNIS INC	Pacific Bell
1991	TANDEM COMPUTERS INC	PACIFIC BELL WHITE PAGES
	Lobby	PACIFIC BELL WHITE PAGES
	Tandem Computers Inc	PACIFIC BELL WHITE PAGES
1986	United Van Lines Agents	Pacific Bell
	ADMIRAL LDM MOVING SYSTEM	Pacific Bell
1985	ADMIRAL-LDM MOVING SYSTEM	Pacific Bell
	UNITED VAN LINES AGENTS	Pacific Bell

1640 BERRYESSA RD

Year	Uses	Source
2000	DRUMMERSWEST LTD	Haines & Company
	N EXT GENERATION	Haines & Company
	WINDSOR	Haines & Company
	DOOR SANJSEDISTBN	Haines & Company
	DRUMMERSWEST LTD	Haines & Company
	N EXT GENERATION	Haines & Company
	WINDSOR	Haines & Company

FINDINGS

Year	Uses	Source
2000	DOOR SANJSEDISTBN	Haines & Company
1996		Pacific Bell
	-B EL JALICIENSE IMPORTS	Pacific Bell
	-A DRUMMERS WEST LTD	Pacific Bell
1991	ELECTRONICS VAN	PACIFIC BELL WHITE PAGES
	Electronics Van Incorp	PACIFIC BELL WHITE PAGES
	El Jaliciense Imports	PACIFIC BELL WHITE PAGES
	El Jaliciense Imports	PACIFIC BELL WHITE PAGES
	Dales Trucking Service	PACIFIC BELL WHITE PAGES
	Pozzi Window Co Warehouse	PACIFIC BELL WHITE PAGES
	POZZI WINDOW CO WAREHOUSE	PACIFIC BELL WHITE PAGES
	REYNOSO RAUL P	PACIFIC BELL WHITE PAGES
	DALE S TRUCKING SERVICE	PACIFIC BELL WHITE PAGES
	E LE CTRON ICS VAN	PACIFIC BELL WHITE PAGES
	ELECTRONICS VAN INCORP	PACIFIC BELL WHITE PAGES
	EL JALICIENSE IMPORTS	PACIFIC BELL WHITE PAGES
	EL JALICIENSE IMPORTS	PACIFIC BELL WHITE PAGES
1986	Electronics Airfreight	Pacific Bell
	ELECTRONICS VAN	Pacific Bell
	Electronics Van	Pacific Bell
	A I Distributing	Pacific Bell
1985	ADVANCED INTERMODAL SYSTEMS INC	Pacific Bell
	CENTENNIAL FREIGHT LINES	Pacific Bell
	CALIFORNIA ELECTRONIC CARRIERS	Pacific Bell
	ELECTRONICS AIRFREIGHT	Pacific Bell
	ELECTRONICS VAN	Pacific Bell
	ELECTRONICS VAN	Pacific Bell

1640-B BERRYESSA RD

Year	Uses	Source
1985	PACIFFIC PACKAGING INC	Pacific Bell

1650 BERRYESSA RD

Year	Uses	Source
2000	XXXX	Haines & Company
	XXXX	Haines & Company
1996	GENERAL DIAGNOSTICS INC	Pacific Bell
1991	SEMITOOL INC	PACIFIC BELL WHITE PAGES

FINDINGS

Year	Uses	Source
1991	IRG Pulse Magnetic Products Inc	PACIFIC BELL WHITE PAGES
	Semitool Inc	PACIFIC BELL WHITE PAGES
1986	Cableco Technologies Corp	Pacific Bell
	SEMITOOL INC	Pacific Bell
	VICTORY COMPUTER SYSTEMS	Pacific Bell
	Semitool Inc	Pacific Bell
	Semitool Inc	Pacific Bell
1985	SEMITOOL INC	Pacific Bell
	SEMITOL INC	Pacific Bell

1650B BERRYESSA RD

Year	Uses	Source
1985	RELATIONAL MEMORY SYSTEMS INC	Pacific Bell

1655 BERRYESSA RD

Year	Uses	Source
2000	INTERNATL PL	Haines & Company
	TIPTRANSPORT	Haines & Company
	INTERNATL PL	Haines & Company
	TIPTRANSPORT	Haines & Company
1996	PUBLIC AUCTION	Pacific Bell
1986	FACCHINO FREIGHT LINES	Pacific Bell
1985	FACCHINO FREIGHT LINES	Pacific Bell
1975	FACCHINO FREIGHT UNES	Pacific Telephone
	MAJOR TRUNK LINES	Pacific Telephone

1670 BERRYESSA RD

Year	Uses	Source
2000	NALLI INTERNATIONAL	Haines & Company
	NALLI INTERNATIONAL	Haines & Company

1672 BERRYESSA RD

Year	Uses	Source
2000	EVER EXCEPT AS AUTHORIZED IN WRITING BY HA	Haines & Company
	TOOLSTHINGSNTP	Haines & Company
	BERRYESSA RD 95133 CONT	Haines & Company
	BERRYESSA RD 95133 CONT	Haines & Company
	TOOLSTHINGSNTP	Haines & Company
	EVER EXCEPT AS AUTHORIZED IN WRITING BY HA	Haines & Company

FINDINGS

1674 BERRYESSA RD

Year	Uses	Source
2000	RESTAURANT	Haines & Company
	DONGHING	Haines & Company
	DONGHING	Haines & Company
	RESTAURANT	Haines & Company
1996	DONG KHANH RESTAURANT-	Pacific Bell

1678 BERRYESSA RD

Year	Uses	Source
2000	XXXX	Haines & Company
	XXXX	Haines & Company
1996	ROYALE DRYCLEANING & LAUNDRY	Pacific Bell

1680 BERRYESSA RD

Year	Uses	Source
2000	HAIRCITY	Haines & Company
	HAIRCITY	Haines & Company
1996	HAIR CITY	Pacific Bell

1682 BERRYESSA RD

Year	Uses	Source
2000	CC BRIDAL	Haines & Company
	CC BRIDAL	Haines & Company
1996	CC BRIDAL	Pacific Bell

1684 BERRYESSA RD

Year	Uses	Source
2000	STARTRAVEL&TOUR	Haines & Company
	STARTRAVEL&TOUR	Haines & Company
	STAR TRAVEL	Haines & Company
	NEUBARTHJEFFERYR	Haines & Company
	5 MINIMUM 5 TAX SERVICE	Haines & Company
	STAR TRAVEL	Haines & Company
	NEUBARTHJEFFERYR	Haines & Company
	5 MINIMUM 5 TAX SERVICE	Haines & Company
1996	MINIMUM TAX SERVICE	Pacific Bell
	STAR TRAVEL & TOUR	Pacific Bell

FINDINGS

1686 BERRYESSA RD

Year	Uses	Source
2000	SINGHART	Haines & Company
	SINGHART	Haines & Company
1996	NALLI INTERNATIONAL	Pacific Bell

1688 BERRYESSA RD

Year	Uses	Source
2000	K 61 KEEBB	Haines & Company
	K 61 KEEBB	Haines & Company
1996	KIU KEE BBQ	Pacific Bell

1690 BERRYESSA RD

Year	Uses	Source
1996	WONG VIDEO	Pacific Bell

1692 BERRYESSA RD

Year	Uses	Source
2000	CHANRAYMONDYDC	Haines & Company
	CHANRAYMONDYDC	Haines & Company
1996	CHAR RAYMOND Y DC	Pacific Bell
	CHIROPRACTICSERVICES	Pacific Bell

1694 BERRYESSA RD

Year	Uses	Source
2000	INS AGENCY	Haines & Company
	B AGENCY CHEUNG&ASSOCIATES	Haines & Company
	C 0 A INSURANCE	Haines & Company
	INS AGENCY	Haines & Company
	C 0 A INSURANCE	Haines & Company
	B AGENCY CHEUNG&ASSOCIATES	Haines & Company
1996	CHE 13 NGASSOCIATES INSURANCE AGENCY	Pacific Bell

1696 BERRYESSA RD

Year	Uses	Source
1996	VY DA RESTAURANT	Pacific Bell

1710 BERRYESSA RD

Year	Uses	Source
2000	BICHVAN JEWELRY	Haines & Company
	BUILDING AKAL ANIMAL CLINIC	Haines & Company

FINDINGS

Year	Uses	Source
2000	BERRY KING DENTAL	Haines & Company
	CHAHALBALJITSDVM	Haines & Company
	DOLLAR AMERICA	Haines & Company
	EXCHANGE BOMINOS PIZZA	Haines & Company
	ELBUEN GUSTO	Haines & Company
	BAKERY KINGS GROCERIES INC	Haines & Company
	MON 15 COMP 4 TECH MOONSHAIRCARE	Haines & Company
	OCEANVIEW	Haines & Company
	AQUARIUM SANDONG EXPRESS	Haines & Company
	VIETHUONGFA ST	Haines & Company
	BICHVAN JEWELRY	Haines & Company
	BUILDING AKAL ANIMAL CLINIC	Haines & Company
	BERRY KING DENTAL	Haines & Company
	CHAHALBALJITSDVM	Haines & Company
	DOLLAR AMERICA	Haines & Company
	EXCHANGE BOMINOS PIZZA	Haines & Company
	ELBUEN GUSTO	Haines & Company
	BAKERY KINGS GROCERIES INC	Haines & Company
	MON 15 COMP 4 TECH MOONSHAIRCARE	Haines & Company
	OCEANVIEW	Haines & Company
	AQUARIUM SANDONG EXPRESS	Haines & Company
	VIETHUONGFA ST	Haines & Company
1996	MOONS HAIRCARE	Pacific Bell
	-102DOMINO S PIZZA	Pacific Bell
	-103BL ERRY KING DENTAL TL CENTER	Pacific Bell
	-105EL BUEN GUSTO BAKERY	Pacific Bell
	-106AKAL ANIMAL CLINIC	Pacific Bell
	-108OCEANVIEW AQUARIUM	Pacific Bell
	-109DOLLAR AMERICA EXCHANGE	Pacific Bell
	-110SANDONG EXPRESS	Pacific Bell
	-114MD ON 1 COMP TECH	Pacific Bell
	-104KING S GROCERIES INC	Pacific Bell
1991	ERA Home Service Center	PACIFIC BELL WHITE PAGES
	Fantastic Sams	PACIFIC BELL WHITE PAGES
	Bay Area Carpet & Home Furnishings Inc	PACIFIC BELL WHITE PAGES
	Mister Go	PACIFIC BELL WHITE PAGES
	Subway Sandwiches & Salads	PACIFIC BELL WHITE PAGES

FINDINGS

Year	Uses	Source
1991	Travel Saver	PACIFIC BELL WHITE PAGES
	Jims Grill	PACIFIC BELL WHITE PAGES
	Dominos Pizza	PACIFIC BELL WHITE PAGES
	Prepay Video Marketing Service Inc	PACIFIC BELL WHITE PAGES
	BAY AREA CARPET & HOME FURNISHINGS INC	PACIFIC BELL WHITE PAGES
	PREPAY VIDEO MARKETING SERVICE INC	PACIFIC BELL WHITE PAGES
	JIM S GRILL	PACIFIC BELL WHITE PAGES
	DOMINO S PIZZA	PACIFIC BELL WHITE PAGES
	E RA HOME SERVICE CENTER	PACIFIC BELL WHITE PAGES
	SUBWAY SANDWICHES & SALADS	PACIFIC BELL WHITE PAGES
	FANTASTIC SAM S	PACIFIC BELL WHITE PAGES
	MISTER GO	PACIFIC BELL WHITE PAGES
	TRAVEL SAVER	PACIFIC BELL WHITE PAGES

1712 BERRYESSA RD

Year	Uses	Source
2000	KINGS SEAFOOD	Haines & Company
	KINGS SEAFOOD	Haines & Company
1996	KING S SEAFOOD CENTER	Pacific Bell

1715 BERRYESSA RD

Year	Uses	Source
2000	CHEVRON STATIONS	Haines & Company
	BERRYESSA CHEVRON	Haines & Company
	CHEVRON STATIONS	Haines & Company
	BERRYESSA CHEVRON	Haines & Company
1996	BERRYESSA CHEVRON	Pacific Bell
1991	BE RRYE S S A CHE VRON	PACIFIC BELL WHITE PAGES
	CAMPBELL	PACIFIC BELL WHITE PAGES
	BERRYESSA CHEVRON	PACIFIC BELL WHITE PAGES
	Chevron Stations	PACIFIC BELL WHITE PAGES
1986	Chevron Stations	Pacific Bell
	BERRYESSA CHEVRON	Pacific Bell
1985	CHEVRON STATIONS	Pacific Bell
	BERRYESSA CHEVRON	Pacific Bell
1980	BERRYESSA CHEVRON	Pacific Telephone
	CHEVRON STATIONS	Pacific Telephone
	San Jose	Pacific Telephone

FINDINGS

Year	Uses	Source
1975	CAMPBELL	Pacific Telephone

1725 BERRYESSA RD

Year	Uses	Source
2000	CTRF CERVANTES CERVANTES FRANK X	Haines & Company
	CTRF CERVANTES CERVANTES FRANK X	Haines & Company
	DDS BERRYESSA DNTL	Haines & Company
	DDS BERRYESSA DNTL	Haines & Company
	DDS KIMJONATHAN HDDS	Haines & Company
	ALCARAZ FRANKX	Haines & Company
	ALCARAZ FRANKX	Haines & Company
	DDS KIMJONATHAN HDDS	Haines & Company
1996		Pacific Bell
	-A BERRYESSA DENTAL CENTER-FRANK X CERVANTES	Pacific Bell
	-A CERVANTES FRANK X	Pacific Bell
	-B KIM JONATHAN H DOS	Pacific Bell
		Pacific Bell
1991	DICKEY JOHN A	PACIFIC BELL WHITE PAGES
	Dickey LVDDS	PACIFIC BELL WHITE PAGES
1986	Daniels Prince G DDS Professional Corporation	Pacific Bell
1985	DANIELS PRINCE G DDS PROFESSIONAL CORPORATION	Pacific Bell
1980	Daniels Prince G DDS Professional Corporation	Pacific Telephone

1725B BERRYESSA RD

Year	Uses	Source
1985	BERRYESSA DENTAL CENTER BERRYESSA SHOPPING CENTER	Pacific Bell

1727 BERRYESSA RD

Year	Uses	Source
2000	COLLECTIONS KARAOKEPLUS MINUS	Haines & Company
	HONGKONG	Haines & Company
	COLLECTIONS KARAOKEPLUS MINUS	Haines & Company
	HONGKONG	Haines & Company
	ONE MUSIC	Haines & Company
	ONE MUSIC	Haines & Company

FINDINGS

Year	Uses	Source
1996	-B KARAOKE PLUS MINUS ONE MUSIC STUDIO	Pacific Bell
	-A HONG KONG COLLECTIONS	Pacific Bell
		Pacific Bell
1991	TOKYO FASHIONS	PACIFIC BELL WHITE PAGES
	Tokyo Fashions	PACIFIC BELL WHITE PAGES
1986	Golden State Video	Pacific Bell
	Hong Kong Fashions	Pacific Bell

1727A BERRYESSA RD

Year	Uses	Source
1985	VIDEO CIRCLE	Pacific Bell
	F-EVERGREEN TRAVEL	Pacific Bell

1727B BERRYESSA RD

Year	Uses	Source
1985	GOLDEN STATE VIDEO	Pacific Bell

1729 BERRYESSA RD

Year	Uses	Source
2000	XXXX	Haines & Company
	XXXX	Haines & Company
1996	PAKISTAN MARKET	Pacific Bell
1991	PAKISTAN MARKET	PACIFIC BELL WHITE PAGES
	Pakistan Market	PACIFIC BELL WHITE PAGES
1986	Pakistan Market	Pacific Bell
1985	PRO-AM AUTOMOTIVE	Pacific Bell

1731 BERRYESSA RD

Year	Uses	Source
2000	QUALITYFIRST	Haines & Company
	CLEANERS RN R PRINTING&COPY	Haines & Company
	CEN TER	Haines & Company
	QUALITYFIRST	Haines & Company
	CLEANERS RN R PRINTING&COPY	Haines & Company
	CEN TER	Haines & Company
1991	Alpine Realty	PACIFIC BELL WHITE PAGES
	Kao Jennifer OD	PACIFIC BELL WHITE PAGES
	Dollar America Exchange	PACIFIC BELL WHITE PAGES
	KAO JENNIFER OD	PACIFIC BELL WHITE PAGES

FINDINGS

Year	Uses	Source
1991	DOLLAR AMERICA EXCHANGE	PACIFIC BELL WHITE PAGES
	ALPINE REALTY	PACIFIC BELL WHITE PAGES
1986	Kao Jennifer OD	Pacific Bell
1985	KAO JENNIFER OD	Pacific Bell
	CENTURY BANK MONEY TRANSFER OFFICE	Pacific Bell
1980	BRENTWOOQD REALt ESTATE	Pacific Telephone
	International Real Estate Network	Pacific Telephone
	Brentwood Real Estate	Pacific Telephone

1733 BERRYESSA RD

Year	Uses	Source
2000	BERRYESSA LIQUORS	Haines & Company
	CITY PIZZA	Haines & Company
	HANGARN	Haines & Company
	PIZZERIA	Haines & Company
	BERRYESSA LIQUORS	Haines & Company
	CITY PIZZA	Haines & Company
	HANGARN	Haines & Company
	PIZZERIA	Haines & Company
1996		Pacific Bell
	-A CITY PIZZA	Pacific Bell
	BERRYESSA LIQUORS	Pacific Bell
1991	BE RRYE S S A LIQUORS	PACIFIC BELL WHITE PAGES
	HAN GAR N O PIZZE RIA	PACIFIC BELL WHITE PAGES
	BERRYESSA LIQUORS	PACIFIC BELL WHITE PAGES
	HANGAR NO PIZZERIA	PACIFIC BELL WHITE PAGES
1986	BERRYESSA LIQUORS	Pacific Bell
1985	BERRYESSA LIQUORS	Pacific Bell
1980	Jimis Liquors	Pacific Telephone

1734A BERRYESSA RD

Year	Uses	Source
1985	HANGAR NO PIZZERIA M	Pacific Bell

1735 BERRYESSA RD

Year	Uses	Source
2000	WONGS BAKERY	Haines & Company
	THANH BACH BAKERY	Haines & Company
	THANH BACH BAKERY	Haines & Company

FINDINGS

Year	Uses	Source
2000	WONGS BAKERY	Haines & Company
1996	WONG S BAKERY	Pacific Bell
1991	Wongs Bakery	PACIFIC BELL WHITE PAGES
	WONG S BAKERY	PACIFIC BELL WHITE PAGES
1986	Wongs Bakery	Pacific Bell
1985	WONG S BAKERY	Pacific Bell

1737 BERRYESSA RD

Year	Uses	Source
2000	HOMEVIDEO	Haines & Company
	WILLIAM PUREWA TER	Haines & Company
	HOMEVIDEO	Haines & Company
	WILLIAM PUREWA TER	Haines & Company
1996	-B HOME VIDEO	Pacific Bell
		Pacific Bell
	-A WILLIAM PURE WATER	Pacific Bell
1991	Advanced Care Chiropractic	PACIFIC BELL WHITE PAGES
	ADVANCED CARE CHIROPRACTIC	PACIFIC BELL WHITE PAGES
	CHRISTENSEN CHIROPRACTIC OFFICE	PACIFIC BELL WHITE PAGES
	Christensen Chiropractic Office	PACIFIC BELL WHITE PAGES
1986	CHIROPRACTIC OFFICE	Pacific Bell
	Christensen WK DC Christensen Chiropractic Office	Pacific Bell
	i Chrlstensen Vanette DC Christensen Chiropractic Office	Pacific Bell
	Christensen Todd	Pacific Bell
	Hasson A Catrin DC Christensen Chiropractic Office	Pacific Bell
1985	CHRISTENSEN CHIROPRACTIC OFFICE	Pacific Bell
	HASSON A CATRIN DC CHRISTENSEN CHIROPRACTIC OFFICE	Pacific Bell
1980	REAL ESTATE WORLD	Pacific Telephone

1739 BERRYESSA RD

Year	Uses	Source
2000	PHOCUONG 2D	Haines & Company
	ENDLESS BEAUTY	Haines & Company
	ENDLESS BEAUTY	Haines & Company
	PHOCUONG 0 D	Haines & Company

FINDINGS

Year	Uses	Source
2000	PHOCUONG 0 D	Haines & Company
	PHOCUONG 2D	Haines & Company
1996	-B ENDLESS BEAUTY	Pacific Bell
	-A PHO CUONG II	Pacific Bell
		Pacific Bell
	-A PHO CUONG II	Pacific Bell
1991	NASONA	PACIFIC BELL WHITE PAGES
1986	Nasona	Pacific Bell
	Styles Hair Design	Pacific Bell
1985	NASONA	Pacific Bell

1739A BERRYESSA RD

Year	Uses	Source
1985	MAY JEN CHINESE RESTAURANT	Pacific Bell

1739B BERRYESSA RD

Year	Uses	Source
1985	HELENA S HAIR & SKIN CARE	Pacific Bell
	JOINT APPRENTICE & TRAINING COMMITTEE JOJO HAIR STYLIST	Pacific Bell

1740 BERRYESSA RD

Year	Uses	Source
1985	SANJOSE SELF STORAGE	Pacific Bell

1741 BERRYESSA RD

Year	Uses	Source
2000	PHILIPPINE MAQUED	Haines & Company
	HUNGVUONGTOFU	Haines & Company
	MAQUEDABAY	Haines & Company
	MAQUEDABAY	Haines & Company
	HUNGVUONGTOFU	Haines & Company
	PHILIPPINE MAQUED	Haines & Company
1996	-A FEBTC SPEED REMITTANCE INC	Pacific Bell
	-B HUNG VUONG TOFU	Pacific Bell
	-A PHILIPPINE MAQUEDA BAY	Pacific Bell
		Pacific Bell
1991	Philtiplne Maqueda Bay	PACIFIC BELL WHITE PAGES
	PHILTIPLNE MAQUEDA BAY	PACIFIC BELL WHITE PAGES
1986	Phillipine Maqueda Bay Imports	Pacific Bell

Year	Uses	Source
1985	STAR RIDGE CT	Pacific Bell

1743 BERRYESSA RD

Year	Uses	Source
2000	SPEEDMART	Haines & Company
	SPEEDMART	Haines & Company
1996	SPEEDMART	Pacific Bell
1991	Speedmart	PACIFIC BELL WHITE PAGES
	SPEEDMART	PACIFIC BELL WHITE PAGES
1986	Lil Grocer	Pacific Bell
1985	LIL GROCER	Pacific Bell
1980	Lil Bronc	Pacific Telephone
	Lll Grocer	Pacific Telephone

1745 BERRYESSA RD

Year	Uses	Source
2000	X JUNESONG WAY	Haines & Company
	FABRICSR US	Haines & Company
	FABRICSR US	Haines & Company
	FABRICSR US	Haines & Company
	X JUNESONG WAY	Haines & Company
	FABRICSR US	Haines & Company
1996	FABRICS R US	Pacific Bell
1985	FISH MEAT & PRODUCE CO	Pacific Bell

Berryessa Rd & Bayshore Hw Y

1775 Berryessa Rd & Bayshore Hw Y

Year	Uses	Source
1980	Chevron Accounting Center	Pacific Telephone

E BERRYESSA RD

1725 E BERRYESSA RD

Year	Uses	Source
1985	KINSEY JAMES A DDS BERRYESSA SHOPPING CENTER	Pacific Bell

FINDINGS

FERN PINE CT

1650 FERN PINE CT

Year	Uses	Source
2006	NGUYEN Donovan	Haines Company, Inc.
	NGOTh I Hanh	Haines Company, Inc.
2000	PHANGiang	Haines & Company
	PHANGiang	Haines & Company

1651 FERN PINE CT

Year	Uses	Source
2006	a KHOOEng	Haines Company, Inc.
2000	KHOOEng	Haines & Company
	KHOOEng	Haines & Company

1652 FERN PINE CT

Year	Uses	Source
2006	a RELOS Servando	Haines Company, Inc.
2000	OPOSITERI Russel	Haines & Company
	OPOSITERI Russel	Haines & Company

1653 FERN PINE CT

Year	Uses	Source
2006	a LOOMBA Daven	Haines Company, Inc.
2000	X RIVERBIRCH CT	Haines & Company
	BAILEYDana	Haines & Company
	BAILEYDana	Haines & Company
	X RIVERBIRCH CT	Haines & Company

1654 FERN PINE CT

Year	Uses	Source
2006	LYXuong	Haines Company, Inc.
	NGUYEN Thu	Haines Company, Inc.
	NGUYEN Tuan	Haines Company, Inc.
2000	LYXuaog NGUYENThu	Haines & Company
	LYXuaog NGUYENThu	Haines & Company

1655 FERN PINE CT

Year	Uses	Source
2006	Ferdinand	Haines Company, Inc.
	DEGUZMAN	Haines Company, Inc.

FINDINGS

Year	Uses	Source
2006	e ANCHETA Manuel	Haines Company, Inc.
2000	TRUSSOBradford	Haines & Company
	TRUSSOBradford	Haines & Company

1656 FERN PINE CT

Year	Uses	Source
2006	WESTON John	Haines Company, Inc.
	HIRATA Brandon	Haines Company, Inc.
2000	MIAROt EZEIr	Haines & Company
	MIAROt EZEIr	Haines & Company

HEAVENLY BAMBOO CT

1710 HEAVENLY BAMBOO CT

Year	Uses	Source
1991	HEATON DEAN R	PACIFIC BELL WHITE PAGES
	Heaton Dean R	PACIFIC BELL WHITE PAGES

1712 HEAVENLY BAMBOO CT

Year	Uses	Source
1991	Bul Thanh	PACIFIC BELL WHITE PAGES
	BUL THANH	PACIFIC BELL WHITE PAGES

1714 HEAVENLY BAMBOO CT

Year	Uses	Source
1996	WUN DORA R	Pacific Bell

1784 HEAVENLY BAMBOO CT

Year	Uses	Source
1991	GIGUERE G R	PACIFIC BELL WHITE PAGES
	Giguere G R	PACIFIC BELL WHITE PAGES

RIVER BIRCH CT

1624 RIVER BIRCH CT

Year	Uses	Source
2000	XXXX	Haines & Company
	X FERN PINE CT	Haines & Company
	XXXX	Haines & Company
	X FERN PINE CT	Haines & Company

FINDINGS

1662 RIVER BIRCH CT

Year	Uses	Source
2006	e HUANG Michael	Haines Company, Inc.
2000	HUAN 3 Michael	Haines & Company
	HUAN 3 Michael	Haines & Company
1996	HUANG MICHAEL	Pacific Bell

1663 RIVER BIRCH CT

Year	Uses	Source
2006	CANTER Anthony	Haines Company, Inc.
2000	JOYCEGany	Haines & Company
	JOYCEGany	Haines & Company
1996	JOYCE GERRY	Pacific Bell

1664 RIVER BIRCH CT

Year	Uses	Source
2006	CHANGKuoylng	Haines Company, Inc.
2000	YANS Peter	Haines & Company
	YANS Peter	Haines & Company
	TAKAMURAR	Haines & Company
	i WASAKIDerek	Haines & Company
	TAKAMURAR	Haines & Company
	i WASAKIDerek	Haines & Company

1665 RIVER BIRCH CT

Year	Uses	Source
2006	No Current Listing	Haines Company, Inc.
2000	OTOMSae Xy	Haines & Company
	OTOMSae Xy	Haines & Company

1666 RIVER BIRCH CT

Year	Uses	Source
2000	CHAUMish	Haines & Company
	CHAUMish	Haines & Company
1996	HAONG JUDY	Pacific Bell

1667 RIVER BIRCH CT

Year	Uses	Source
2006	o LINChia	Haines Company, Inc.
2000	OLINChiaoyun Tm	Haines & Company
	OLINChiaoyun Tm	Haines & Company

FINDINGS

Year	Uses	Source
1996	LIN CHIAOYUN TINA	Pacific Bell
1991	Lin Chiaoyun Tina	PACIFIC BELL WHITE PAGES

1668 RIVER BIRCH CT

Year	Uses	Source
2006	OCHLANGMIng	Haines Company, Inc.
2000	HARRISJaeme	Haines & Company
	HARRISJaeme	Haines & Company
1991	Chi Sae Jung	PACIFIC BELL WHITE PAGES

1669 RIVER BIRCH CT

Year	Uses	Source
2006	a LEMASURIER Robert	Haines Company, Inc.
2000	LEMASURIERRober I	Haines & Company
	LEMASURIERRober I	Haines & Company
1991	Yang Tsen	PACIFIC BELL WHITE PAGES

1671 RIVER BIRCH CT

Year	Uses	Source
2006	a LEGary	Haines Company, Inc.
2000	JOANNEColeman	Haines & Company
	GRIMMMichael	Haines & Company
	JOANNEColeman	Haines & Company
	GRIMMMichael	Haines & Company

1672 RIVER BIRCH CT

Year	Uses	Source
2006	a BACHNgh Ia	Haines Company, Inc.
2000	OBACHNghia	Haines & Company
	OBACHNghia	Haines & Company

1674 RIVER BIRCH CT

Year	Uses	Source
2006	CHENTiaishu	Haines Company, Inc.
2000	DALYPatrick	Haines & Company
	DALYPatrick	Haines & Company
1991	Corpuz D & S	PACIFIC BELL WHITE PAGES

FINDINGS

1675 RIVER BIRCH CT

Year	Uses	Source
2006	9 SU Chauchang	Haines Company, Inc.
2000	SUCChauchang	Haines & Company
	SUCChauchang	Haines & Company
1991	Wang Chung Chia	PACIFIC BELL WHITE PAGES

1676 RIVER BIRCH CT

Year	Uses	Source
1996	MANOCHOI L	Pacific Bell

1677 RIVER BIRCH CT

Year	Uses	Source
2006	a NGCurts	Haines Company, Inc.
2000	SNQCurats	Haines & Company
	SNQCurats	Haines & Company
1991	Dang Vinh	PACIFIC BELL WHITE PAGES

1678 RIVER BIRCH CT

Year	Uses	Source
2006	SENNInmalya	Haines Company, Inc.
2000	STOKERJanis	Haines & Company
	JIANQHalwen	Haines & Company
	JIANQHalwen	Haines & Company
	STOKERJanis	Haines & Company

1681 RIVER BIRCH CT

Year	Uses	Source
2006	PHAMNhan	Haines Company, Inc.
2000	PHAMNhan	Haines & Company
	PHAMNhan	Haines & Company
1991	Ngo Huy	PACIFIC BELL WHITE PAGES

RIVERBIRCH CT

1667 RIVERBIRCH CT

Year	Uses	Source
1991	LIN CHIAOYUN TINA	PACIFIC BELL WHITE PAGES

FINDINGS

1668 RIVERBIRCH CT

Year	Uses	Source
1991	CHI SAE JUNG	PACIFIC BELL WHITE PAGES

1669 RIVERBIRCH CT

Year	Uses	Source
1991	YANG TSEN	PACIFIC BELL WHITE PAGES

1674 RIVERBIRCH CT

Year	Uses	Source
1991	CORPUZ D & S	PACIFIC BELL WHITE PAGES

1675 RIVERBIRCH CT

Year	Uses	Source
1991	WANG CHUNG CHIA	PACIFIC BELL WHITE PAGES

1677 RIVERBIRCH CT

Year	Uses	Source
1991	DANG VINH	PACIFIC BELL WHITE PAGES

1681 RIVERBIRCH CT

Year	Uses	Source
1991	NGO HUY	PACIFIC BELL WHITE PAGES

RVHER BIRCH CT

1663 RVHER BIRCH CT

Year	Uses	Source
1991	JOYCE GERRY	PACIFIC BELL WHITE PAGES
	Joyce Gerry	PACIFIC BELL WHITE PAGES

WINSTON CT

1084 WINSTON CT

Year	Uses	Source
2000	KALAKUNTLAM DO	Haines & Company
	KALAKUNTLAM DO	Haines & Company

FINDINGS

TARGET PROPERTY: ADDRESS NOT LISTED IN RESEARCH SOURCE

The following Target Property addresses were researched for this report, and the addresses were not listed in the research source.

Address Researched	Address Not Listed in Research Source
1705 Berryessa Rd	2006, 2001, 2000, 1982, 1978, 1974, 1970, 1968, 1966, 1965, 1964, 1963, 1962, 1960, 1957, 1955, 1950, 1946, 1945, 1942, 1940, 1936, 1935, 1931, 1930, 1926, 1925, 1922

ADJOINING PROPERTY: ADDRESSES NOT LISTED IN RESEARCH SOURCE

The following Adjoining Property addresses were researched for this report, and the addresses were not listed in research source.

Address Researched	Address Not Listed in Research Source
1084 WINSTON CT	2006, 2001, 1996, 1991, 1986, 1985, 1982, 1980, 1978, 1975, 1974, 1970, 1968, 1966, 1965, 1964, 1963, 1962, 1960, 1957, 1955, 1950, 1946, 1945, 1942, 1940, 1936, 1935, 1931, 1930, 1926, 1925, 1922
1624 RIVER BIRCH CT	2006, 2001, 1996, 1991, 1986, 1985, 1982, 1980, 1978, 1975, 1974, 1970, 1968, 1966, 1965, 1964, 1963, 1962, 1960, 1957, 1955, 1950, 1946, 1945, 1942, 1940, 1936, 1935, 1931, 1930, 1926, 1925, 1922
1630 BERRYESSA RD	2006, 2001, 1982, 1980, 1978, 1975, 1974, 1970, 1968, 1966, 1965, 1964, 1963, 1962, 1960, 1957, 1955, 1950, 1946, 1945, 1942, 1940, 1936, 1935, 1931, 1930, 1926, 1925, 1922
1640 BERRYESSA RD	2006, 2001, 1982, 1980, 1978, 1975, 1974, 1970, 1968, 1966, 1965, 1964, 1963, 1962, 1960, 1957, 1955, 1950, 1946, 1945, 1942, 1940, 1936, 1935, 1931, 1930, 1926, 1925, 1922
1640-B BERRYESSA RD	2006, 2001, 2000, 1996, 1991, 1986, 1982, 1980, 1978, 1975, 1974, 1970, 1968, 1966, 1965, 1964, 1963, 1962, 1960, 1957, 1955, 1950, 1946, 1945, 1942, 1940, 1936, 1935, 1931, 1930, 1926, 1925, 1922
1650 BERRYESSA RD	2006, 2001, 1982, 1980, 1978, 1975, 1974, 1970, 1968, 1966, 1965, 1964, 1963, 1962, 1960, 1957, 1955, 1950, 1946, 1945, 1942, 1940, 1936, 1935, 1931, 1930, 1926, 1925, 1922
1650 FERN PINE CT	2001, 1996, 1991, 1986, 1985, 1982, 1980, 1978, 1975, 1974, 1970, 1968, 1966, 1965, 1964, 1963, 1962, 1960, 1957, 1955, 1950, 1946, 1945, 1942, 1940, 1936, 1935, 1931, 1930, 1926, 1925, 1922
1650B BERRYESSA RD	2006, 2001, 2000, 1996, 1991, 1986, 1982, 1980, 1978, 1975, 1974, 1970, 1968, 1966, 1965, 1964, 1963, 1962, 1960, 1957, 1955, 1950, 1946, 1945, 1942, 1940, 1936, 1935, 1931, 1930, 1926, 1925, 1922
1651 FERN PINE CT	2001, 1996, 1991, 1986, 1985, 1982, 1980, 1978, 1975, 1974, 1970, 1968, 1966, 1965, 1964, 1963, 1962, 1960, 1957, 1955, 1950, 1946, 1945, 1942, 1940, 1936, 1935, 1931, 1930, 1926, 1925, 1922
1652 FERN PINE CT	2001, 1996, 1991, 1986, 1985, 1982, 1980, 1978, 1975, 1974, 1970, 1968, 1966, 1965, 1964, 1963, 1962, 1960, 1957, 1955, 1950, 1946, 1945, 1942, 1940, 1936, 1935, 1931, 1930, 1926, 1925, 1922
1653 FERN PINE CT	2001, 1996, 1991, 1986, 1985, 1982, 1980, 1978, 1975, 1974, 1970, 1968, 1966, 1965, 1964, 1963, 1962, 1960, 1957, 1955, 1950, 1946, 1945, 1942, 1940, 1936, 1935, 1931, 1930, 1926, 1925, 1922

FINDINGS

Address Researched	Address Not Listed in Research Source
1654 FERN PINE CT	2001, 1996, 1991, 1986, 1985, 1982, 1980, 1978, 1975, 1974, 1970, 1968, 1966, 1965, 1964, 1963, 1962, 1960, 1957, 1955, 1950, 1946, 1945, 1942, 1940, 1936, 1935, 1931, 1930, 1926, 1925, 1922
1655 BERRYESSA RD	2006, 2001, 1991, 1982, 1980, 1978, 1974, 1970, 1968, 1966, 1965, 1964, 1963, 1962, 1960, 1957, 1955, 1950, 1946, 1945, 1942, 1940, 1936, 1935, 1931, 1930, 1926, 1925, 1922
1655 FERN PINE CT	2001, 1996, 1991, 1986, 1985, 1982, 1980, 1978, 1975, 1974, 1970, 1968, 1966, 1965, 1964, 1963, 1962, 1960, 1957, 1955, 1950, 1946, 1945, 1942, 1940, 1936, 1935, 1931, 1930, 1926, 1925, 1922
1656 FERN PINE CT	2001, 1996, 1991, 1986, 1985, 1982, 1980, 1978, 1975, 1974, 1970, 1968, 1966, 1965, 1964, 1963, 1962, 1960, 1957, 1955, 1950, 1946, 1945, 1942, 1940, 1936, 1935, 1931, 1930, 1926, 1925, 1922
1662 RIVER BIRCH CT	2001, 1991, 1986, 1985, 1982, 1980, 1978, 1975, 1974, 1970, 1968, 1966, 1965, 1964, 1963, 1962, 1960, 1957, 1955, 1950, 1946, 1945, 1942, 1940, 1936, 1935, 1931, 1930, 1926, 1925, 1922
1663 RIVER BIRCH CT	2001, 1991, 1986, 1985, 1982, 1980, 1978, 1975, 1974, 1970, 1968, 1966, 1965, 1964, 1963, 1962, 1960, 1957, 1955, 1950, 1946, 1945, 1942, 1940, 1936, 1935, 1931, 1930, 1926, 1925, 1922
1663 RVHER BIRCH CT	2006, 2001, 2000, 1996, 1986, 1985, 1982, 1980, 1978, 1975, 1974, 1970, 1968, 1966, 1965, 1964, 1963, 1962, 1960, 1957, 1955, 1950, 1946, 1945, 1942, 1940, 1936, 1935, 1931, 1930, 1926, 1925, 1922
1664 RIVER BIRCH CT	2001, 1996, 1991, 1986, 1985, 1982, 1980, 1978, 1975, 1974, 1970, 1968, 1966, 1965, 1964, 1963, 1962, 1960, 1957, 1955, 1950, 1946, 1945, 1942, 1940, 1936, 1935, 1931, 1930, 1926, 1925, 1922
1665 RIVER BIRCH CT	2001, 1996, 1991, 1986, 1985, 1982, 1980, 1978, 1975, 1974, 1970, 1968, 1966, 1965, 1964, 1963, 1962, 1960, 1957, 1955, 1950, 1946, 1945, 1942, 1940, 1936, 1935, 1931, 1930, 1926, 1925, 1922
1666 RIVER BIRCH CT	2006, 2001, 1991, 1986, 1985, 1982, 1980, 1978, 1975, 1974, 1970, 1968, 1966, 1965, 1964, 1963, 1962, 1960, 1957, 1955, 1950, 1946, 1945, 1942, 1940, 1936, 1935, 1931, 1930, 1926, 1925, 1922
1667 RIVER BIRCH CT	2001, 1986, 1985, 1982, 1980, 1978, 1975, 1974, 1970, 1968, 1966, 1965, 1964, 1963, 1962, 1960, 1957, 1955, 1950, 1946, 1945, 1942, 1940, 1936, 1935, 1931, 1930, 1926, 1925, 1922
1667 RIVERBIRCH CT	2006, 2001, 2000, 1996, 1986, 1985, 1982, 1980, 1978, 1975, 1974, 1970, 1968, 1966, 1965, 1964, 1963, 1962, 1960, 1957, 1955, 1950, 1946, 1945, 1942, 1940, 1936, 1935, 1931, 1930, 1926, 1925, 1922
1668 RIVER BIRCH CT	2001, 1996, 1986, 1985, 1982, 1980, 1978, 1975, 1974, 1970, 1968, 1966, 1965, 1964, 1963, 1962, 1960, 1957, 1955, 1950, 1946, 1945, 1942, 1940, 1936, 1935, 1931, 1930, 1926, 1925, 1922
1668 RIVERBIRCH CT	2006, 2001, 2000, 1996, 1986, 1985, 1982, 1980, 1978, 1975, 1974, 1970, 1968, 1966, 1965, 1964, 1963, 1962, 1960, 1957, 1955, 1950, 1946, 1945, 1942, 1940, 1936, 1935, 1931, 1930, 1926, 1925, 1922
1669 RIVER BIRCH CT	2001, 1996, 1986, 1985, 1982, 1980, 1978, 1975, 1974, 1970, 1968, 1966, 1965, 1964, 1963, 1962, 1960, 1957, 1955, 1950, 1946, 1945, 1942, 1940, 1936, 1935, 1931, 1930, 1926, 1925, 1922
1669 RIVERBIRCH CT	2006, 2001, 2000, 1996, 1986, 1985, 1982, 1980, 1978, 1975, 1974, 1970, 1968, 1966, 1965, 1964, 1963, 1962, 1960, 1957, 1955, 1950, 1946, 1945, 1942, 1940, 1936, 1935, 1931, 1930, 1926, 1925, 1922
1670 BERRYESSA RD	2006, 2001, 1996, 1991, 1986, 1985, 1982, 1980, 1978, 1975, 1974, 1970, 1968, 1966, 1965, 1964, 1963, 1962, 1960, 1957, 1955, 1950, 1946, 1945, 1942, 1940, 1936, 1935, 1931, 1930, 1926, 1925, 1922

FINDINGS

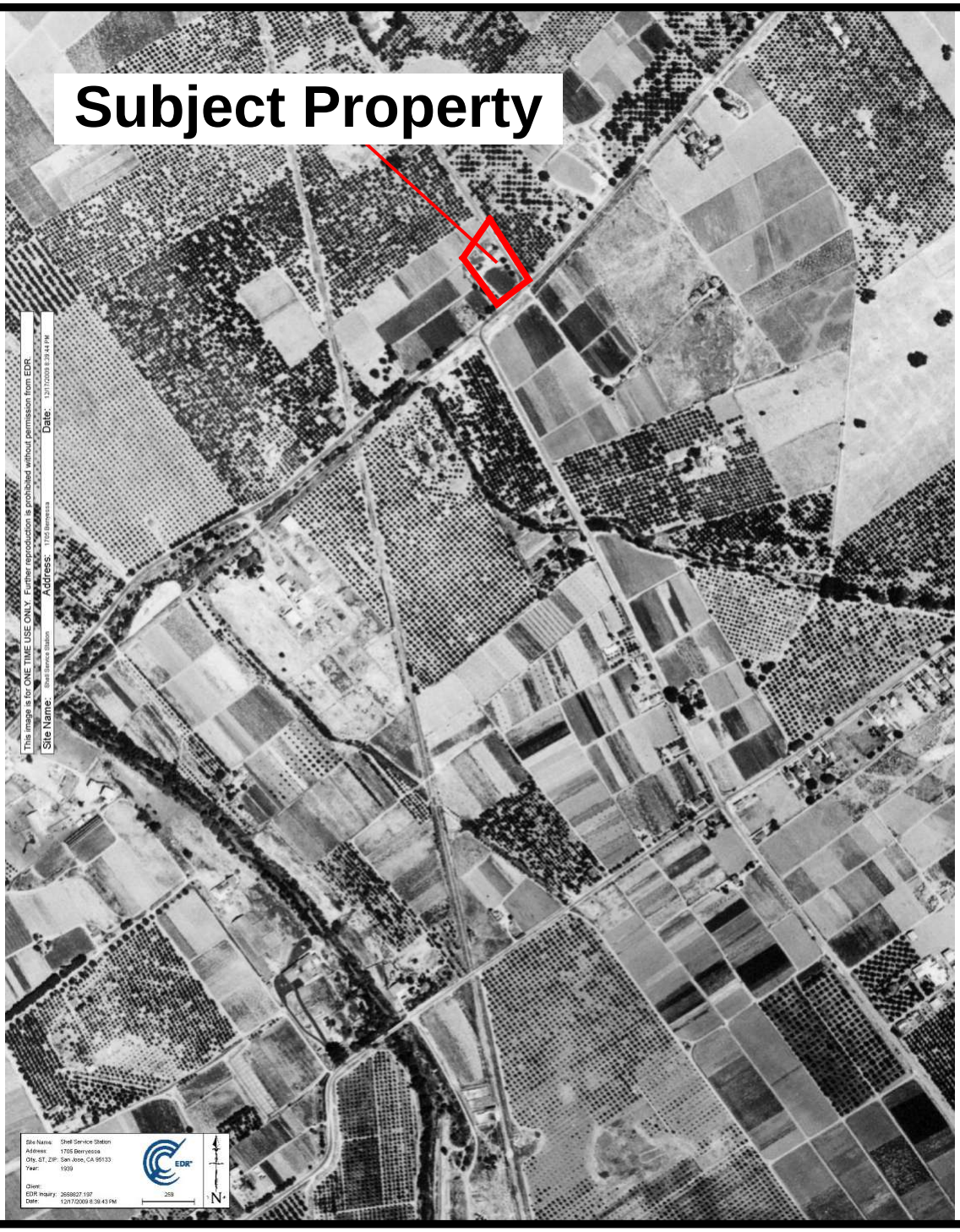
Address Researched	Address Not Listed in Research Source
1671 RIVER BIRCH CT	2001, 1996, 1991, 1986, 1985, 1982, 1980, 1978, 1975, 1974, 1970, 1968, 1966, 1965, 1964, 1963, 1962, 1960, 1957, 1955, 1950, 1946, 1945, 1942, 1940, 1936, 1935, 1931, 1930, 1926, 1925, 1922
1672 BERRYESSA RD	2006, 2001, 1996, 1991, 1986, 1985, 1982, 1980, 1978, 1975, 1974, 1970, 1968, 1966, 1965, 1964, 1963, 1962, 1960, 1957, 1955, 1950, 1946, 1945, 1942, 1940, 1936, 1935, 1931, 1930, 1926, 1925, 1922
1672 RIVER BIRCH CT	2001, 1996, 1991, 1986, 1985, 1982, 1980, 1978, 1975, 1974, 1970, 1968, 1966, 1965, 1964, 1963, 1962, 1960, 1957, 1955, 1950, 1946, 1945, 1942, 1940, 1936, 1935, 1931, 1930, 1926, 1925, 1922
1674 BERRYESSA RD	2006, 2001, 1991, 1986, 1985, 1982, 1980, 1978, 1975, 1974, 1970, 1968, 1966, 1965, 1964, 1963, 1962, 1960, 1957, 1955, 1950, 1946, 1945, 1942, 1940, 1936, 1935, 1931, 1930, 1926, 1925, 1922
1674 RIVER BIRCH CT	2001, 1996, 1986, 1985, 1982, 1980, 1978, 1975, 1974, 1970, 1968, 1966, 1965, 1964, 1963, 1962, 1960, 1957, 1955, 1950, 1946, 1945, 1942, 1940, 1936, 1935, 1931, 1930, 1926, 1925, 1922
1674 RIVERBIRCH CT	2006, 2001, 2000, 1996, 1986, 1985, 1982, 1980, 1978, 1975, 1974, 1970, 1968, 1966, 1965, 1964, 1963, 1962, 1960, 1957, 1955, 1950, 1946, 1945, 1942, 1940, 1936, 1935, 1931, 1930, 1926, 1925, 1922
1675 RIVER BIRCH CT	2001, 1996, 1986, 1985, 1982, 1980, 1978, 1975, 1974, 1970, 1968, 1966, 1965, 1964, 1963, 1962, 1960, 1957, 1955, 1950, 1946, 1945, 1942, 1940, 1936, 1935, 1931, 1930, 1926, 1925, 1922
1675 RIVERBIRCH CT	2006, 2001, 2000, 1996, 1986, 1985, 1982, 1980, 1978, 1975, 1974, 1970, 1968, 1966, 1965, 1964, 1963, 1962, 1960, 1957, 1955, 1950, 1946, 1945, 1942, 1940, 1936, 1935, 1931, 1930, 1926, 1925, 1922
1676 RIVER BIRCH CT	2006, 2001, 2000, 1991, 1986, 1985, 1982, 1980, 1978, 1975, 1974, 1970, 1968, 1966, 1965, 1964, 1963, 1962, 1960, 1957, 1955, 1950, 1946, 1945, 1942, 1940, 1936, 1935, 1931, 1930, 1926, 1925, 1922
1677 RIVER BIRCH CT	2001, 1996, 1986, 1985, 1982, 1980, 1978, 1975, 1974, 1970, 1968, 1966, 1965, 1964, 1963, 1962, 1960, 1957, 1955, 1950, 1946, 1945, 1942, 1940, 1936, 1935, 1931, 1930, 1926, 1925, 1922
1677 RIVERBIRCH CT	2006, 2001, 2000, 1996, 1986, 1985, 1982, 1980, 1978, 1975, 1974, 1970, 1968, 1966, 1965, 1964, 1963, 1962, 1960, 1957, 1955, 1950, 1946, 1945, 1942, 1940, 1936, 1935, 1931, 1930, 1926, 1925, 1922
1678 BERRYESSA RD	2006, 2001, 1991, 1986, 1985, 1982, 1980, 1978, 1975, 1974, 1970, 1968, 1966, 1965, 1964, 1963, 1962, 1960, 1957, 1955, 1950, 1946, 1945, 1942, 1940, 1936, 1935, 1931, 1930, 1926, 1925, 1922
1678 RIVER BIRCH CT	2001, 1996, 1991, 1986, 1985, 1982, 1980, 1978, 1975, 1974, 1970, 1968, 1966, 1965, 1964, 1963, 1962, 1960, 1957, 1955, 1950, 1946, 1945, 1942, 1940, 1936, 1935, 1931, 1930, 1926, 1925, 1922
1680 BERRYESSA RD	2006, 2001, 1991, 1986, 1985, 1982, 1980, 1978, 1975, 1974, 1970, 1968, 1966, 1965, 1964, 1963, 1962, 1960, 1957, 1955, 1950, 1946, 1945, 1942, 1940, 1936, 1935, 1931, 1930, 1926, 1925, 1922
1681 RIVER BIRCH CT	2001, 1996, 1986, 1985, 1982, 1980, 1978, 1975, 1974, 1970, 1968, 1966, 1965, 1964, 1963, 1962, 1960, 1957, 1955, 1950, 1946, 1945, 1942, 1940, 1936, 1935, 1931, 1930, 1926, 1925, 1922
1681 RIVERBIRCH CT	2006, 2001, 2000, 1996, 1986, 1985, 1982, 1980, 1978, 1975, 1974, 1970, 1968, 1966, 1965, 1964, 1963, 1962, 1960, 1957, 1955, 1950, 1946, 1945, 1942, 1940, 1936, 1935, 1931, 1930, 1926, 1925, 1922
1682 BERRYESSA RD	2006, 2001, 1991, 1986, 1985, 1982, 1980, 1978, 1975, 1974, 1970, 1968, 1966, 1965, 1964, 1963, 1962, 1960, 1957, 1955, 1950, 1946, 1945, 1942, 1940, 1936, 1935, 1931, 1930, 1926, 1925, 1922

FINDINGS

Address Researched	Address Not Listed in Research Source
1684 BERRYESSA RD	2006, 2001, 1991, 1986, 1985, 1982, 1980, 1978, 1975, 1974, 1970, 1968, 1966, 1965, 1964, 1963, 1962, 1960, 1957, 1955, 1950, 1946, 1945, 1942, 1940, 1936, 1935, 1931, 1930, 1926, 1925, 1922
1686 BERRYESSA RD	2006, 2001, 1991, 1986, 1985, 1982, 1980, 1978, 1975, 1974, 1970, 1968, 1966, 1965, 1964, 1963, 1962, 1960, 1957, 1955, 1950, 1946, 1945, 1942, 1940, 1936, 1935, 1931, 1930, 1926, 1925, 1922
1688 BERRYESSA RD	2006, 2001, 1991, 1986, 1985, 1982, 1980, 1978, 1975, 1974, 1970, 1968, 1966, 1965, 1964, 1963, 1962, 1960, 1957, 1955, 1950, 1946, 1945, 1942, 1940, 1936, 1935, 1931, 1930, 1926, 1925, 1922
1690 BERRYESSA RD	2006, 2001, 2000, 1991, 1986, 1985, 1982, 1980, 1978, 1975, 1974, 1970, 1968, 1966, 1965, 1964, 1963, 1962, 1960, 1957, 1955, 1950, 1946, 1945, 1942, 1940, 1936, 1935, 1931, 1930, 1926, 1925, 1922
1692 BERRYESSA RD	2006, 2001, 1991, 1986, 1985, 1982, 1980, 1978, 1975, 1974, 1970, 1968, 1966, 1965, 1964, 1963, 1962, 1960, 1957, 1955, 1950, 1946, 1945, 1942, 1940, 1936, 1935, 1931, 1930, 1926, 1925, 1922
1694 BERRYESSA RD	2006, 2001, 1991, 1986, 1985, 1982, 1980, 1978, 1975, 1974, 1970, 1968, 1966, 1965, 1964, 1963, 1962, 1960, 1957, 1955, 1950, 1946, 1945, 1942, 1940, 1936, 1935, 1931, 1930, 1926, 1925, 1922
1696 BERRYESSA RD	2006, 2001, 2000, 1991, 1986, 1985, 1982, 1980, 1978, 1975, 1974, 1970, 1968, 1966, 1965, 1964, 1963, 1962, 1960, 1957, 1955, 1950, 1946, 1945, 1942, 1940, 1936, 1935, 1931, 1930, 1926, 1925, 1922
1710 BERRYESSA RD	2006, 2001, 1986, 1985, 1982, 1980, 1978, 1975, 1974, 1970, 1968, 1966, 1965, 1964, 1963, 1962, 1960, 1957, 1955, 1950, 1946, 1945, 1942, 1940, 1936, 1935, 1931, 1930, 1926, 1925, 1922
1710 HEAVENLY BAMBOO CT	2006, 2001, 2000, 1996, 1986, 1985, 1982, 1980, 1978, 1975, 1974, 1970, 1968, 1966, 1965, 1964, 1963, 1962, 1960, 1957, 1955, 1950, 1946, 1945, 1942, 1940, 1936, 1935, 1931, 1930, 1926, 1925, 1922
1712 BERRYESSA RD	2006, 2001, 1991, 1986, 1985, 1982, 1980, 1978, 1975, 1974, 1970, 1968, 1966, 1965, 1964, 1963, 1962, 1960, 1957, 1955, 1950, 1946, 1945, 1942, 1940, 1936, 1935, 1931, 1930, 1926, 1925, 1922
1712 HEAVENLY BAMBOO CT	2006, 2001, 2000, 1996, 1986, 1985, 1982, 1980, 1978, 1975, 1974, 1970, 1968, 1966, 1965, 1964, 1963, 1962, 1960, 1957, 1955, 1950, 1946, 1945, 1942, 1940, 1936, 1935, 1931, 1930, 1926, 1925, 1922
1714 HEAVENLY BAMBOO CT	2006, 2001, 2000, 1991, 1986, 1985, 1982, 1980, 1978, 1975, 1974, 1970, 1968, 1966, 1965, 1964, 1963, 1962, 1960, 1957, 1955, 1950, 1946, 1945, 1942, 1940, 1936, 1935, 1931, 1930, 1926, 1925, 1922
1715 BERRYESSA RD	2006, 2001, 1982, 1978, 1974, 1970, 1968, 1966, 1965, 1964, 1963, 1962, 1960, 1957, 1955, 1950, 1946, 1945, 1942, 1940, 1936, 1935, 1931, 1930, 1926, 1925, 1922
1725 BERRYESSA RD	2006, 2001, 1982, 1978, 1975, 1974, 1970, 1968, 1966, 1965, 1964, 1963, 1962, 1960, 1957, 1955, 1950, 1946, 1945, 1942, 1940, 1936, 1935, 1931, 1930, 1926, 1925, 1922
1725 E BERRYESSA RD	2006, 2001, 2000, 1996, 1991, 1986, 1982, 1980, 1978, 1975, 1974, 1970, 1968, 1966, 1965, 1964, 1963, 1962, 1960, 1957, 1955, 1950, 1946, 1945, 1942, 1940, 1936, 1935, 1931, 1930, 1926, 1925, 1922
1725B BERRYESSA RD	2006, 2001, 2000, 1996, 1991, 1986, 1982, 1980, 1978, 1975, 1974, 1970, 1968, 1966, 1965, 1964, 1963, 1962, 1960, 1957, 1955, 1950, 1946, 1945, 1942, 1940, 1936, 1935, 1931, 1930, 1926, 1925, 1922
1727 BERRYESSA RD	2006, 2001, 1985, 1982, 1980, 1978, 1975, 1974, 1970, 1968, 1966, 1965, 1964, 1963, 1962, 1960, 1957, 1955, 1950, 1946, 1945, 1942, 1940, 1936, 1935, 1931, 1930, 1926, 1925, 1922

FINDINGS

Address Researched	Address Not Listed in Research Source
1727A BERRYESSA RD	2006, 2001, 2000, 1996, 1991, 1986, 1982, 1980, 1978, 1975, 1974, 1970, 1968, 1966, 1965, 1964, 1963, 1962, 1960, 1957, 1955, 1950, 1946, 1945, 1942, 1940, 1936, 1935, 1931, 1930, 1926, 1925, 1922
1727B BERRYESSA RD	2006, 2001, 2000, 1996, 1991, 1986, 1982, 1980, 1978, 1975, 1974, 1970, 1968, 1966, 1965, 1964, 1963, 1962, 1960, 1957, 1955, 1950, 1946, 1945, 1942, 1940, 1936, 1935, 1931, 1930, 1926, 1925, 1922
1729 BERRYESSA RD	2006, 2001, 1982, 1980, 1978, 1975, 1974, 1970, 1968, 1966, 1965, 1964, 1963, 1962, 1960, 1957, 1955, 1950, 1946, 1945, 1942, 1940, 1936, 1935, 1931, 1930, 1926, 1925, 1922
1731 BERRYESSA RD	2006, 2001, 1996, 1982, 1978, 1975, 1974, 1970, 1968, 1966, 1965, 1964, 1963, 1962, 1960, 1957, 1955, 1950, 1946, 1945, 1942, 1940, 1936, 1935, 1931, 1930, 1926, 1925, 1922
1733 BERRYESSA RD	2006, 2001, 1982, 1978, 1975, 1974, 1970, 1968, 1966, 1965, 1964, 1963, 1962, 1960, 1957, 1955, 1950, 1946, 1945, 1942, 1940, 1936, 1935, 1931, 1930, 1926, 1925, 1922
1734A BERRYESSA RD	2006, 2001, 2000, 1996, 1991, 1986, 1982, 1980, 1978, 1975, 1974, 1970, 1968, 1966, 1965, 1964, 1963, 1962, 1960, 1957, 1955, 1950, 1946, 1945, 1942, 1940, 1936, 1935, 1931, 1930, 1926, 1925, 1922
1735 BERRYESSA RD	2006, 2001, 1982, 1980, 1978, 1975, 1974, 1970, 1968, 1966, 1965, 1964, 1963, 1962, 1960, 1957, 1955, 1950, 1946, 1945, 1942, 1940, 1936, 1935, 1931, 1930, 1926, 1925, 1922
1737 BERRYESSA RD	2006, 2001, 1982, 1978, 1975, 1974, 1970, 1968, 1966, 1965, 1964, 1963, 1962, 1960, 1957, 1955, 1950, 1946, 1945, 1942, 1940, 1936, 1935, 1931, 1930, 1926, 1925, 1922
1739 BERRYESSA RD	2006, 2001, 1982, 1980, 1978, 1975, 1974, 1970, 1968, 1966, 1965, 1964, 1963, 1962, 1960, 1957, 1955, 1950, 1946, 1945, 1942, 1940, 1936, 1935, 1931, 1930, 1926, 1925, 1922
1739A BERRYESSA RD	2006, 2001, 2000, 1996, 1991, 1986, 1982, 1980, 1978, 1975, 1974, 1970, 1968, 1966, 1965, 1964, 1963, 1962, 1960, 1957, 1955, 1950, 1946, 1945, 1942, 1940, 1936, 1935, 1931, 1930, 1926, 1925, 1922
1739B BERRYESSA RD	2006, 2001, 2000, 1996, 1991, 1986, 1982, 1980, 1978, 1975, 1974, 1970, 1968, 1966, 1965, 1964, 1963, 1962, 1960, 1957, 1955, 1950, 1946, 1945, 1942, 1940, 1936, 1935, 1931, 1930, 1926, 1925, 1922
1740 BERRYESSA RD	2006, 2001, 2000, 1996, 1991, 1986, 1982, 1980, 1978, 1975, 1974, 1970, 1968, 1966, 1965, 1964, 1963, 1962, 1960, 1957, 1955, 1950, 1946, 1945, 1942, 1940, 1936, 1935, 1931, 1930, 1926, 1925, 1922
1741 BERRYESSA RD	2006, 2001, 1982, 1980, 1978, 1975, 1974, 1970, 1968, 1966, 1965, 1964, 1963, 1962, 1960, 1957, 1955, 1950, 1946, 1945, 1942, 1940, 1936, 1935, 1931, 1930, 1926, 1925, 1922
1743 BERRYESSA RD	2006, 2001, 1982, 1978, 1975, 1974, 1970, 1968, 1966, 1965, 1964, 1963, 1962, 1960, 1957, 1955, 1950, 1946, 1945, 1942, 1940, 1936, 1935, 1931, 1930, 1926, 1925, 1922
1745 BERRYESSA RD	2006, 2001, 1991, 1986, 1982, 1980, 1978, 1975, 1974, 1970, 1968, 1966, 1965, 1964, 1963, 1962, 1960, 1957, 1955, 1950, 1946, 1945, 1942, 1940, 1936, 1935, 1931, 1930, 1926, 1925, 1922
1775 Berryessa Rd & Bayshore Hw Y	2006, 2001, 2000, 1996, 1991, 1986, 1985, 1982, 1978, 1975, 1974, 1970, 1968, 1966, 1965, 1964, 1963, 1962, 1960, 1957, 1955, 1950, 1946, 1945, 1942, 1940, 1936, 1935, 1931, 1930, 1926, 1925, 1922
1784 HEAVENLY BAMBOO CT	2006, 2001, 2000, 1996, 1986, 1985, 1982, 1980, 1978, 1975, 1974, 1970, 1968, 1966, 1965, 1964, 1963, 1962, 1960, 1957, 1955, 1950, 1946, 1945, 1942, 1940, 1936, 1935, 1931, 1930, 1926, 1925, 1922



1939 Aerial Photo
Vintners Distributors, Inc.
1705 Berryessa
San Jose, CA

PREPARED FOR: Vintners Distributors, Inc.

PROJ. MGR: Trevor Doanghu **DATE: 01/18/2010**

DRAWN BY: Tim Orf **PROJ. #: 33109-009599.00**

1948 Aerial Photo

Vintners Distributors, Inc.

1705 Berryessa

San Jose, CA

PREPARED FOR: Vintners Distributors, Inc.

PROJ. MGR: Trevor Donaghu **DATE: 01/18/2010**

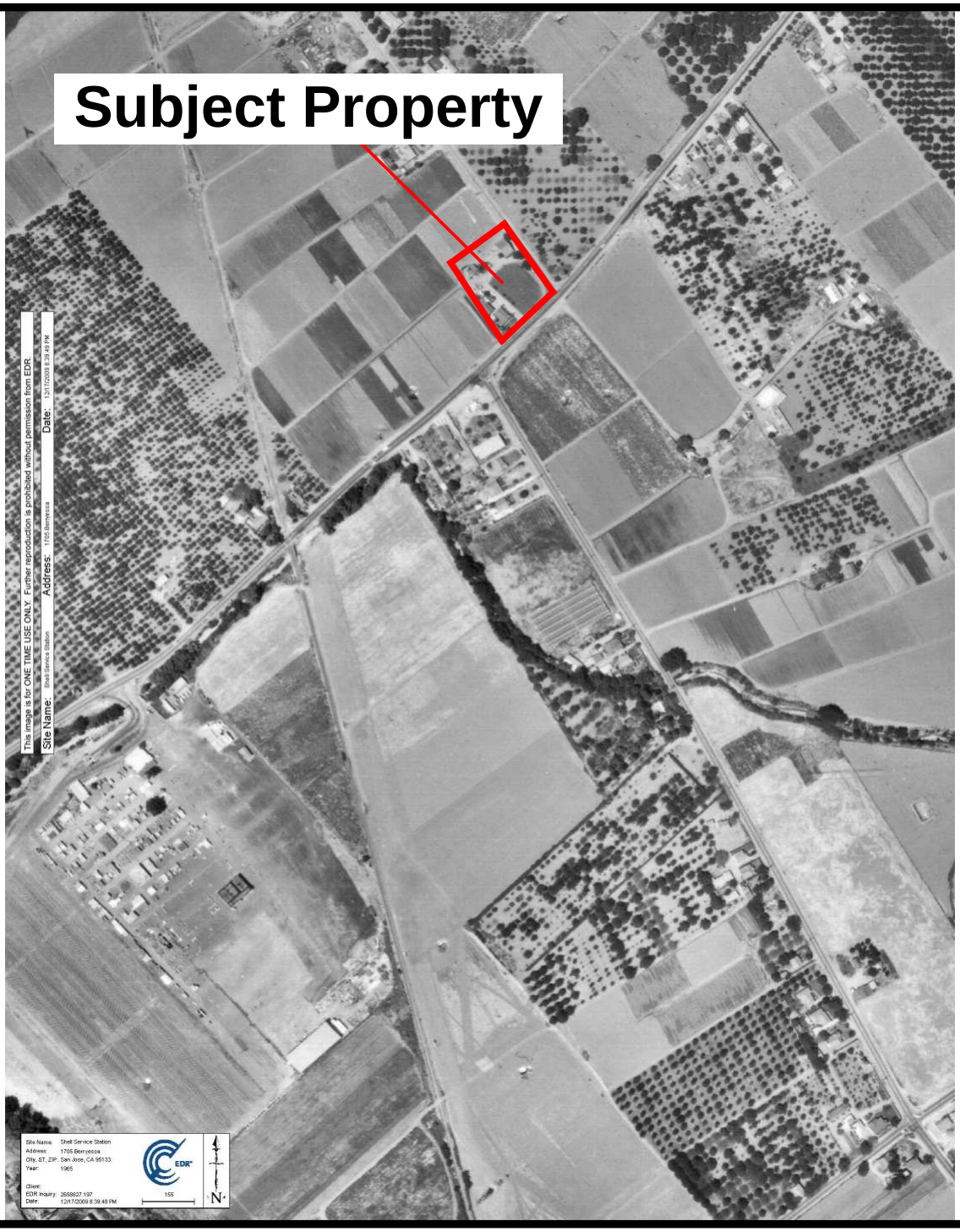
DRAWN BY: Tim Orf **PROJ. #: 33109-009599.00**

1956 Aerial Photo
Vintners Distributors, Inc.
1705 Berryessa
San Jose, CA

PREPARED FOR: Vintners Distributors, Inc.

PROJ. MGR: Trevor Donaghu **DATE: 01/18/2010**

DRAWN BY: Tim Orf **PROJ. #: 33109-009599.00**

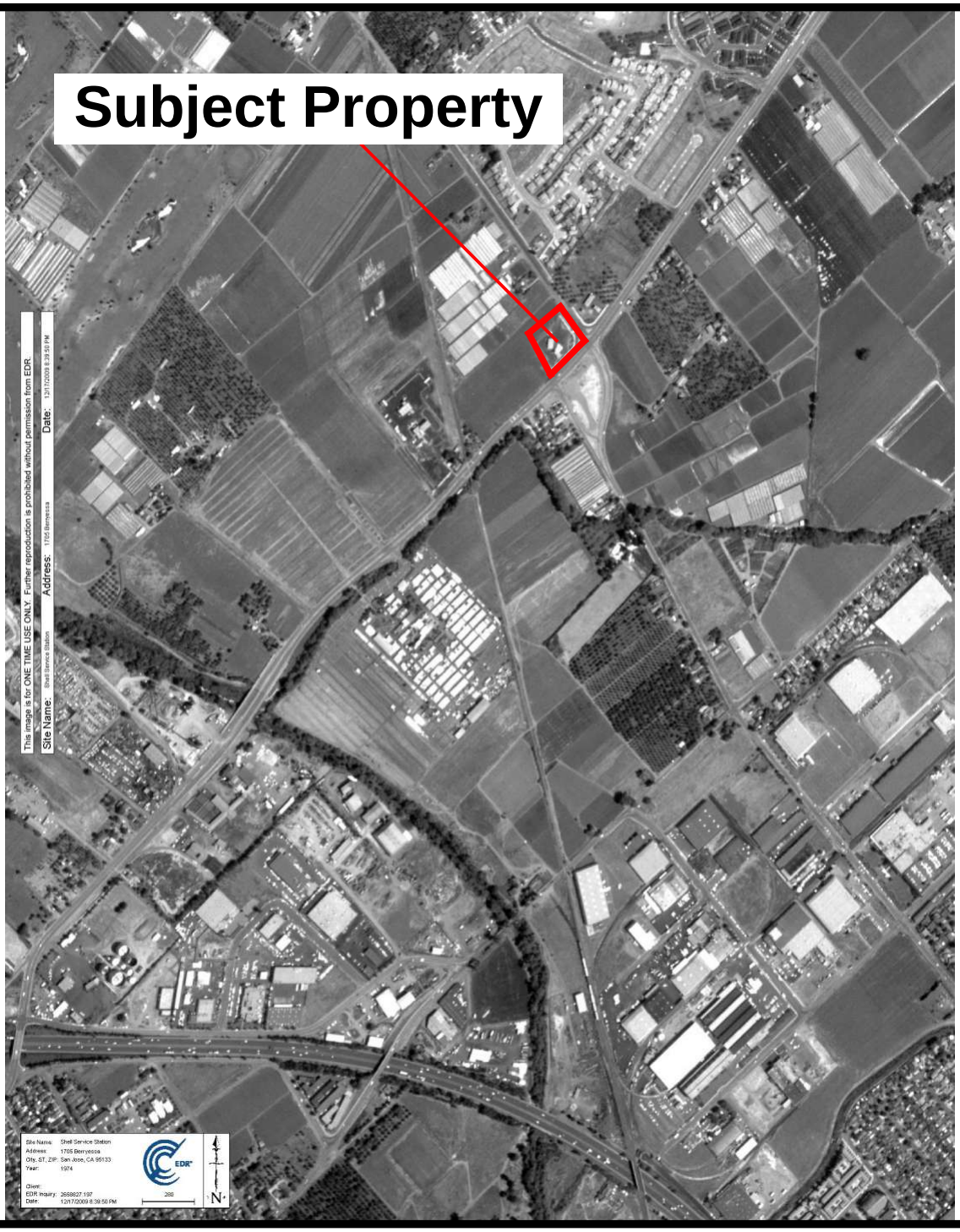


1965 Aerial Photo
Vintners Distributors, Inc.
1705 Berryessa
San Jose, CA

PREPARED FOR: Vintners Distributors, Inc.

PROJ. MGR: Trevor Donaghu **DATE: 01/18/2010**

DRAWN BY: Tim Orf **PROJ. #: 33109-009599.00**

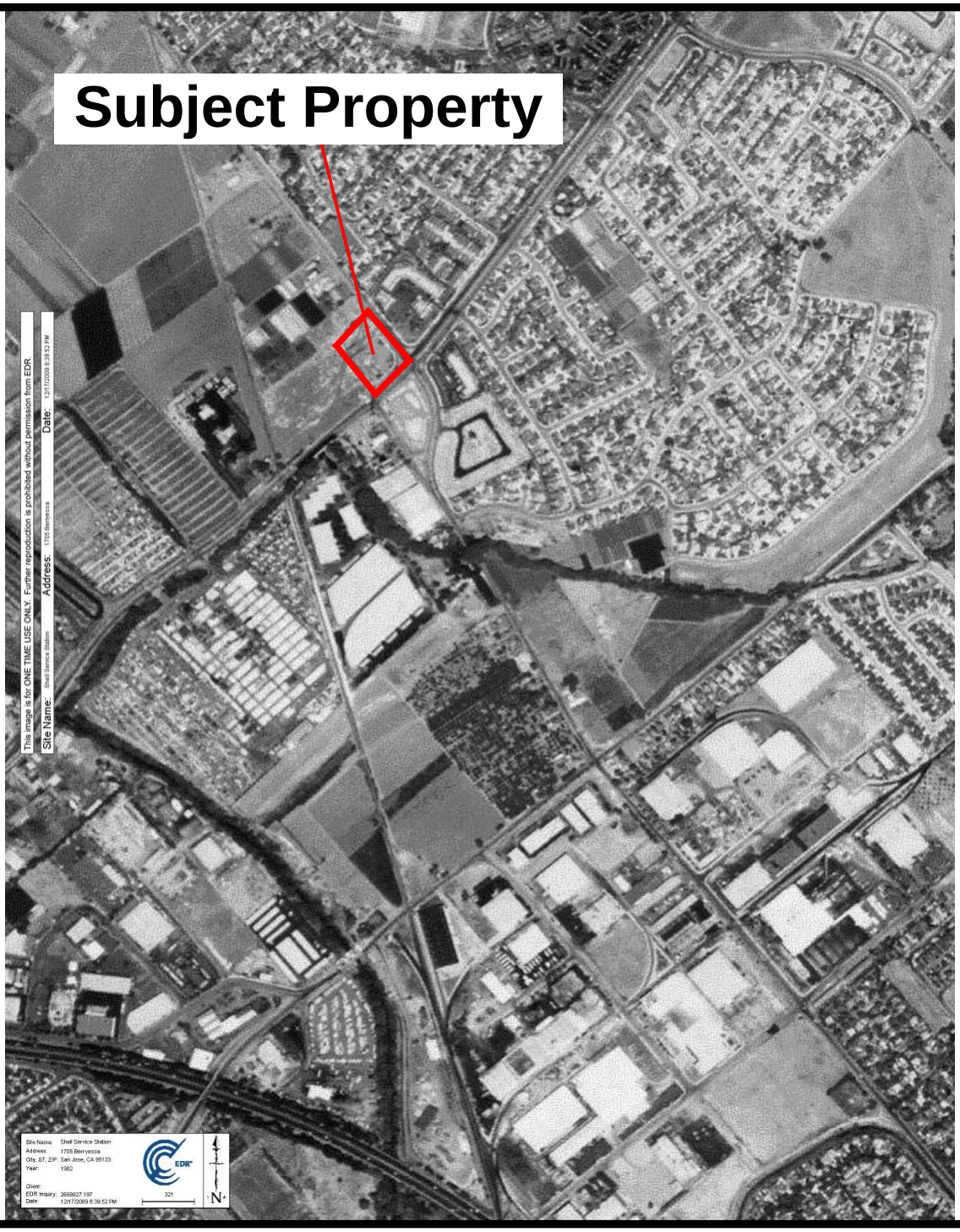


1974 Aerial Photo
Vintners Distributors, Inc.
1705 Berryessa
San Jose, CA

PREPARED FOR: Vintners Distributors, Inc.

PROJ. MGR: Trevor Donaghu **DATE: 01/18/2010**

DRAWN BY: Tim Orf **PROJ. #: 33109-009599.00**



1982 Aerial Photo

Vintners Distributors, Inc.

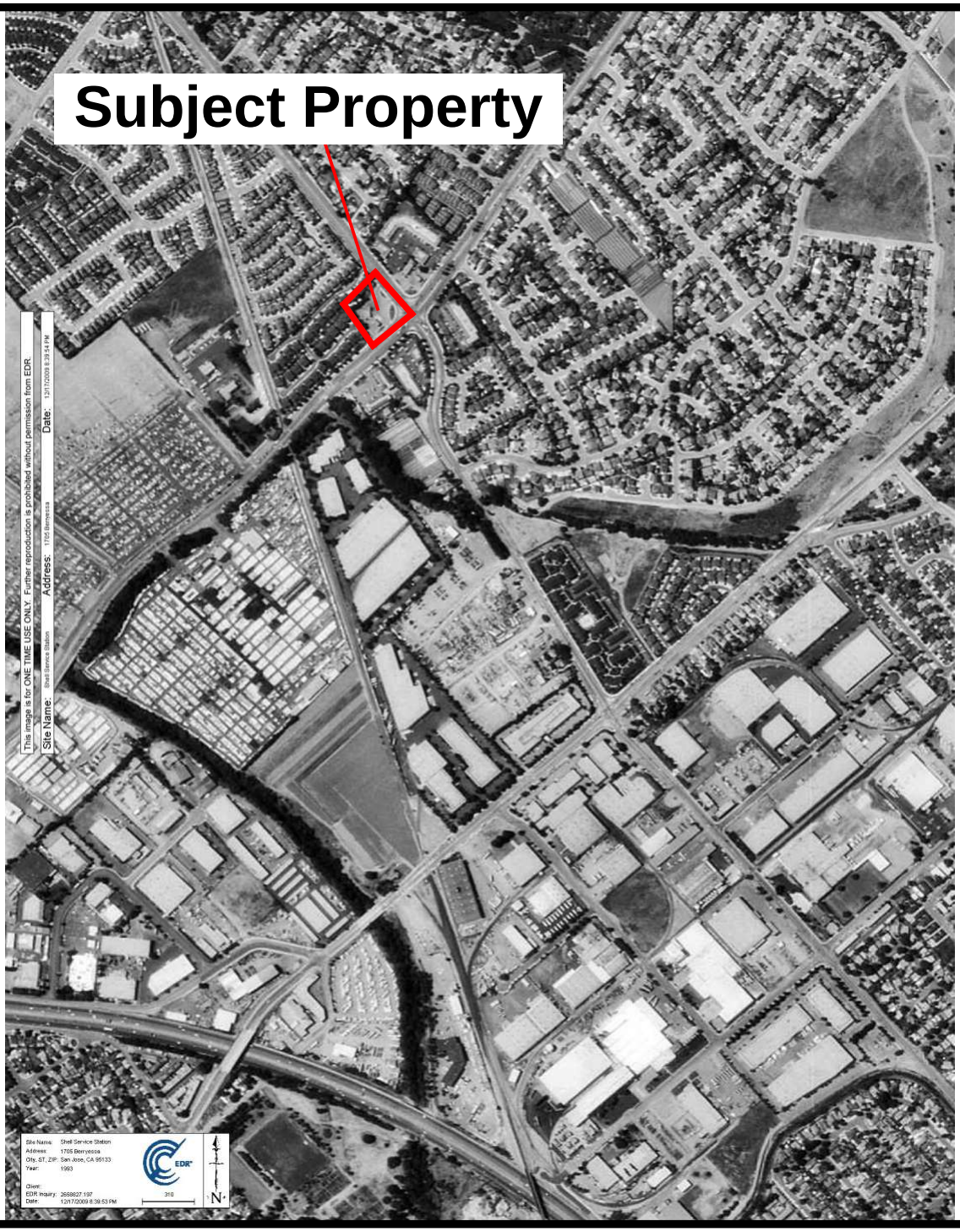
1705 Berryessa

San Jose, CA

PREPARED FOR: Vintners Distributors, Inc.

PROJ. MGR: Trevor Donaghu **DATE: 01/18/2010**

DRAWN BY: Tim Orf **PROJ. #: 33109-009599.00**



1993 Aerial Photo

Vintners Distributors, Inc.

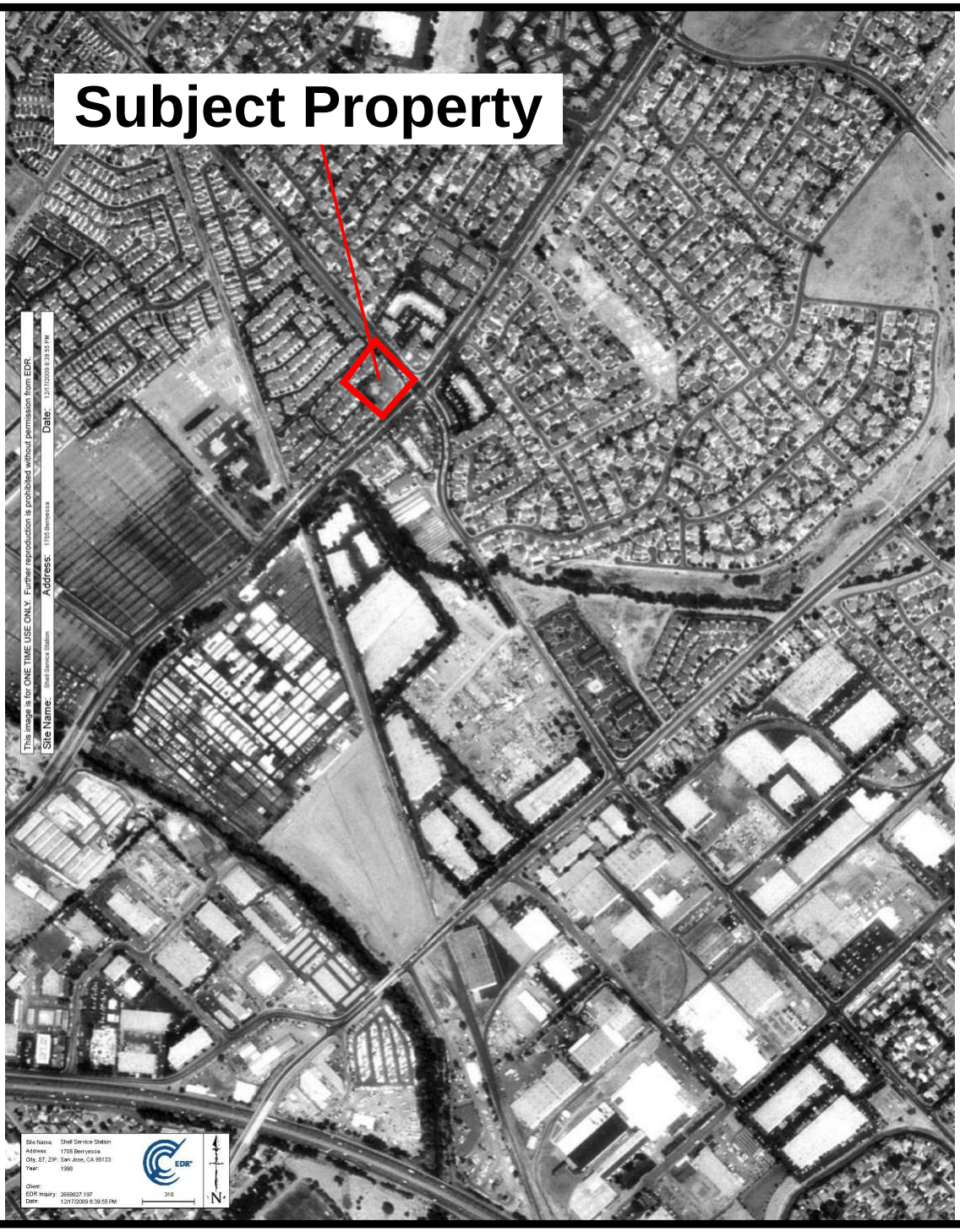
1705 Berryessa

San Jose, CA

PREPARED FOR: Vintners Distributors, Inc.

PROJ. MGR: Trevor Donaghu **DATE: 01/18/2010**

DRAWN BY: Tim Orf **PROJ. #: 33109-009599.00**



1998 Aerial Photo

Vintners Distributors, Inc.

1705 Berryessa

San Jose, CA

PREPARED FOR: Vintners Distributors, Inc.

PROJ. MGR: Trevor Donaghu **DATE: 01/18/2010**

DRAWN BY: Tim Orf **PROJ. #: 33109-009599.00**

2005 Aerial Photo
Vintners Distributors, Inc.
1705 Berryessa
San Jose, CA

PREPARED FOR: Vintners Distributors, Inc.

PROJ. MGR: Trevor Donaghu **DATE: 01/18/2010**

DRAWN BY: Tim Orf **PROJ. #: 33109-009599.00**

Appendix D:

Previous Reports

RECEIVED
November 11, 2009
Santa Clara County
Dept. of Environmental Health
(Electronic Stamp)

Shell Oil Products US

Mamerto Jorvina, REHS
Santa Clara County
Department of Environmental Health
1555 Berger Drive, Suite 300
San Jose, California 95112-2716

November 11, 2009

Re: **Request for Case Closure**
Shell-Branded Service Station
1705 Berryessa Road
San Jose, California

Dear Mr. Jorvina:

I declare, under penalty of perjury, that the information and/or recommendations contained in the attached document or report is true and correct to the best of my knowledge.

Sincerely,
Shell Oil Products US

Denis L. Brown
Project Manager

20945 S. Wilmington Avenue, Carson, CA 90810 P: (559) 645-9306; F: (559) 645-5643

RECEIVED
November 11, 2009
Santa Clara County
Dept. of Environmental Health
(Electronic Stamp)

November 11, 2009
Delta Project No. SCA1705B1A
SAP No. 136010

Mr. Mamerto Jorvina
Santa Clara County Department of Environmental Health
1555 Berger Drive, Suite 300
San Jose, CA 95112-2716

Re: Request for Case Closure
Shell-Branded Service Station
1705 Berryessa Road
San Jose, California

DELTA

Dear Mr. Jorvina:

On behalf of Shell Oil Products US (Shell), Delta Consultants (Delta) has prepared this *Request for Case Closure* for the referenced site.

Delta requests closure for the subject site based on current site conditions and the following criteria:

- The residual petroleum hydrocarbon impacts to soil and groundwater beneath the subject site have been fully delineated, are limited in extent, and appear to be attenuating.
- The residual petroleum hydrocarbon impacts to soil and groundwater beneath the subject site do not constitute a significant risk to human health or the environment.

Provided below is site background information and an evaluation of the historical data. The Santa Clara County Department of Environmental Health (SCCDEH) Case Closure Summary form is presented as Appendix A.

SITE DESCRIPTION

The site is an active Shell-branded service station located on the western corner at the intersection of Berryessa Road and Lundy Avenue in a mixed commercial and residential area of San Jose, California (Figure 1). The current site facilities consist of a kiosk, a car wash, three underground storage tanks (USTs) and five dispenser islands with two pumps per island.

PREVIOUS INVESTIGATIONS

A summary of previous investigations at the site is provided in tabular form below. The locations of all previous borings, wells, and sample locations are shown on Figure 2, and historic remediation system information is provided as Appendix B.

SUMMARY					
Date	**Activity**	**No. of Borings / Samples**	**Report / Letter Date**	**Consultant**	**Comments**
July 1987	Site Upgrade – UST Replacement	Collected 6 soil samples from the UST excavation	7/21/1987	Kaprealian Engineering, Inc. (KEI)	Maximum concentrations of 810 mg/kg TPH-g and 8.9 mg/kg benzene were detected in the soil collected from beneath the former USTs
September 1987	Site Investigation	Installed 1 monitoring well (S-1)	10/20/1987	Pacific Environmental Group, Inc. (PEG)	Maximum concentrations of 48 ppm high boiling hydrocarbons calculated as oil and 140 ppm oil and grease were detected in soil collected from 9-10.5 feet bgs.
February 1990 to May 2009	Groundwater Monitoring and Sampling	Wells Sampled (S-1 through S-3; MW-1, MW-2, MW-2A, MW-2B, MW-3 thru MW-6, MW-6D, MW-7A, MW-7B and E-1 thru E-4	Various	Various (Currently Delta)	Historic well concentration data is presented in Table 1.
December 1994	Site Investigation	Advanced 2 exploratory borings (BH-1 and BH-2)	01/27/1995	Weiss Associates	No TPH-g, benzene, ethylbenzene, or xylenes were detected in soil; 0.0043 mg/kg toluene was detected in soil from BH-2. Concentrations of 110,000 µg/L TPH-g and 1,200 µg/L benzene were detected in grab groundwater water from BH-2.
July 1995	Site Investigation	Advanced four exploratory borings (BH-3 thru BH-6) and installed two monitoring wells (S-2 and S-3)	08/10/1995	Weiss Associates	No TPH-g or BTEX compounds were detected in any of the soil or grab groundwater samples. TPH-d concentrations in soil ranged from 1.3 mg/kg (BH-3) to 4.1 mg/kg (BH-5).

SUMMARY (cont.)					
Date	**Activity**	**No. of Borings / Samples**	**Report / Letter Date**	**Consultant**	**Comments**
July and August 1996	Case Closure and Well Destructions	Destroyed three Monitoring Wells (S-1 through S-3)	07/23/1996	--	Letter granting case closure. All site wells destroyed on receipt of the letter.
January 1999	Site Renovation (removed or replaced hoists, product piping, and dispensers)	Collected 11 soil samples (Hoist-1, Hoist-2, D-1 through D-4 and P-1 through P-5)	3/1/1999	Cambria Environmental Technology, Inc.	Concentrations of 2.39 mg/kg TPPH, 1,220 mg/kg TEPH, and 0.017 mg/kg MTBE were detected in D-3; a concentration of 15 mg/kg TEPH was detected in P-5.
June 1999	Site Investigation	Installed 3 monitoring wells (MW-1 through MW-3)	8/16/1999	TOXICHEM Management Systems, Inc. (TOXICHEM)	18.7 mg/kg TPPH and 13.3 mg/kg TEPH were detected in soil from MW-2 at 25 feet bgs; no MTBE or benzene in soil samples.
May 2000	Site Investigation	Advanced 10 exploratory borings- (GP-1 through GP-10)	9/6/2000	TOXICHEM	A maximum concentration of 2 mg/kg TPH-g in soil (GP-1@6 feet bgs); MTBE and benzene not detected in any soil samples. Max. grab groundwater concentrations of 980 µg/L TPH-g (GP-5@16 feet); 13 µg/L benzene, 110,000 µg/L MTBE and 40,000 µg/L TBA (GP-6@16 feet).
July 2000	Site Investigation	Installed 4 monitoring wells (MW-4, MW-5, MW-6 and MW-6D)	9/6/2000	TOXICHEM	No soil samples collected from the well borings. Well MW-6D screened between 34 and 40 feet bgs in a deeper gravelly sand
October and November 2000	Interim Remedial Action – Batch Extraction	Extracted groundwater with a vacuum truck from wells MW-1, MW-3 and MW-6.	9/11/2001	TOXICHEM	A total of 209 gallons of water extracted and ~0.01 lb of MTBE removed. The technique was not deemed successful.
May 2001	Site Investigation	Advanced 5 CPT Borings (CPT-1 through CPT-5)	6/21/2001	TOXICHEM	TPPH detected in only one grab groundwater from CPT-2@30 feet bgs (58 µg/L). Max. concentrations in grab groundwater: 100,000 µg/L MTBE and 13,000 µg/L TBA (CPT-2@15 feet bgs).

SUMMARY (cont.)					
Date	**Activity**	**No. of Borings / Samples**	**Report / Letter Date**	**Consultant**	**Comments**
August 2001	Aquifer Testing	Performed slug testing (MW-1, MW-6 and MW-6D), step-discharge testing (MW-1 and MW-6), and a constant rate test (MW-1)	9/7/2001	TOXICHEM	Average Hydraulic Conductivity: Shallow zone - 1.8 x 10^{-4} cm/sec (MW-1) and 8.9 x 10^{5} cm/sec (MW-6); Deep Zone - 6.3 x 10^{-3} cm/sec (MW-6D). Radius of influence (ROI) calculated as approx. 60 feet; capture radius ~10 to 20 feet.
November 2001	Site Investigation	Advanced 2 exploratory borings (GP-11 and GP-12)	1/25/2002	TOXICHEM	Max. concentration of 2,600 µg/L MTBE was detected in depth-discrete grab groundwater from GP-11@16 feet bgs. TPPH, TBA and benzene not detected in any of the groundwater analyzed.
December 2001	Site Investigation	Installed 2 nested well pairs (MW-2 A+B and MW-7 A+B)	1/25/2002	TOXICHEM	No soil or grab groundwater samples were submitted for analysis.
January 2002	Extraction Well Installations and Monitoring Well Destructions	Installed 4 extraction wells (E-1 through E-4) and destroyed Well MW-2	1/25/2002	TOXICHEM	No soil or grab groundwater samples submitted for analysis. Well MW-2 destroyed by pressure grouting.
June 2002 through August 2005	Remediation – GWET System Operation	4 Extraction Wells (E-1 to E-4) and 3 GAC vessels, holding tank, pump, and air compressor	3/10/2006	TOXICHEM	Total of 3,181,353 gallons discharged, average flow rate of 2.1 gpm (3,092 gpd). Estimated mass removed: 0.2 lb TPPH, 0.1 lb TEPH, 2.6 lbs MTBE and 2.7 lbs TBA. NPDES Discharge permit rescinded 3/10/06.

NOTES:

mg/kg = milligrams per kilogram
ppm = parts per million
µg/L = micrograms per liter
TPH-d = Total Petroleum Hydrocarbons as Diesel
TEPH = Total Extractable Petroleum Hydrocarbons
TBA = Tert-butyl alcohol
CPT = Cone Penetration Test
GWET = Groundwater Extraction & Treatment
gpm = gallons per minute
NPDES = National Pollutant Discharge Elimination System
TPH-g = Total Petroleum Hydrocarbons as Gasoline
bgs = below ground surface
BTEX = benzene, toluene, ethylbenzene, and xylenes
TPPH = Total Purgeable Petroleum Hydrocarbons
MTBE = Methyl tert-butyl ether
lbs = pounds
cm/sec = centimeters per second
GAC – granular activated carbon
gpd = gallons per day
*See Appendix B for historic remediation system information.

REGIONAL GEOLOGY AND HYDROGEOLOGY

The site lies on the floor of Santa Clara Valley at an elevation of about 90 feet above mean sea level and slopes gently westward. The site is located within the confined zone of the Santa Clara Subbasin in the Santa Clara Valley Groundwater Basin. The water bearing deposits of the Santa Clara subbasin include Pleistocene to Holocene age alluvium and the Plio-Pleistocene Santa Clara Formation that consist of unconsolidated to semi-consolidated gravel, sand, silt, and clay (California Groundwater Bulletin 118).

LOCAL GEOLOGY AND HYDROGEOLOGY

Beneath the site and immediate vicinity, soils consist primarily of clays and silts with two notable sandy silt and sand layers. Fill material extends from the ground surface to approximately 2 to 3 feet bgs. Underlying the fill material silts and clays extend to approximately 10 to 14 feet bgs. A water-bearing sandy silt / silty sand occurs at depths between 10 and 16 feet bgs. Silts and clays then typically extend to approximately 36 to 40 feet bgs. Another water-bearing sand and gravelly sand unit is present from approximately 36 to 38 feet bgs onsite, and from approximately 39 to 45 feet bgs offsite to the southeast. Below the deeper sandy layer, clay and silt was observed to the maximum depth explored. The historical boring logs are presented as Appendix C.

Currently groundwater is encountered between 11 and 14 feet bgs in the wells screened within the shallow water-bearing zone. In the wells screened within the deeper water-bearing zone, groundwater is generally encountered between 8 and 10 feet bgs. The horizontal direction of shallow groundwater flow is typically to the south-southwest at an average gradient of 0.005 feet per foot (ft/ft). A groundwater elevation contour map based on data from the most recent monitoring and sampling event is presented on Figure 3. Vertically, an upward gradient is present based on the higher groundwater elevations measured in the deeper water-bearing zone versus the shallower zone.

CHARACTERIZATION

The primary chemicals of concern (COC) currently at the subject site are TPPH and MTBE. The California Regional Water Quality Control Board (RWQCB), San Francisco Bay Region has established environmental screening levels (ESLs) for the purpose of evaluating cleanup efforts at sites with environmental concerns. These criteria will be used for reference in describing and evaluating current site conditions.

Soil Delineation

Historical soil analytical data are summarized in Table 2. Based on the historical data, residual petroleum hydrocarbons in soil beneath the subject site are negligible. During the initial investigation, the maximum concentrations detected in soil of 810 mg/kg TPH-g, 8.9 mg/kg benzene, 15 mg/kg toluene and 86 mg/kg xylenes were over-excavated during the removal of the former USTs. Since the initiation of the current case in 1999, TPPH, BTEX compounds, and MTBE have only been detected in a few soil samples, and have not been detected at concentrations above the ESLs in any of the soil analyzed. One soil sample (D-3) collected from beneath the northernmost former dispenser island, was found to contain a concentration of TEPH greater than the ESL (1,220 mg/kg); however, a lack of similar concentrations in the adjacent boring for Well MW-2 suggests that the previous concentration was due to a localized hot spot and not a significant area of residual contamination.

Groundwater Delineation

Historical groundwater data are summarized in Tables 1 and 3. A map showing the distribution of petroleum hydrocarbons in groundwater during the most recent monitoring and sampling event is included as Figure 4. The highest concentrations of petroleum hydrocarbons in groundwater beneath the subject site have been detected in the areas directly adjacent and down-gradient of the current and former USTs. Concentrations of the COC above the laboratory reporting limits are currently only detected in shallow onsite wells MW-2A, MW-3, MW-6 and E-2. Hydrographs illustrating the changes in TPPH and MTBE concentrations over time in wells MW-2A, MW-3 and MW-6 are presented as Graphs 1, 2 and 3. Concentrations of TPPH and MTBE have clearly decreased over time in each of the impacted wells. The extent of petroleum hydrocarbon impact to groundwater appears to be primarily onsite within the shallow water-bearing zone.

During the most recent sampling event, TPPH was only detected at a concentration above the ESL in the sample collected from Well MW-2A (570 µg/l), which is located directly adjacent to the former product islands near the current UST complex. MTBE was detected at concentrations above the ESL in onsite wells MW-3 (51 µg/l), MW-6 (19 µg/l) and E-2 (26 µg/l). Well MW-3 is located near the current and former USTs, and wells MW-6 and E-2 are located directly down-gradient of the two UST complexes. BTEX compounds were not detected at concentrations above the ESLs or the laboratory reporting limits in any of the groundwater samples analyzed during the most recent sampling event. The ESLs referenced above are for areas where groundwater is a potential source of drinking water. The MTBE concentrations detected do not exceed the ESLs for areas where groundwater is not a potential source of drinking water.

SENSITIVE RECEPTORS

In June 1999, a half-mile radius water-supply well survey was performed. A total of 35 wells were identified within the search radius. Of the wells, 25 were listed as destroyed or abandoned, one was listed as inactive, seven were listed as active, and the status of two could not be determined. The active and inactive wells and the wells of unknown status were all identified as being located greater than 1,000 feet from the site. A list of the wells identified is presented as Appendix D.

In 2001, a conduit study was performed to document utility locations and determine if the backfill could potentially act as a preferential pathway for groundwater and contaminant flow. Due to the depth to groundwater in the site vicinity, it was determined to be unlikely that any utility backfill material would act as a preferential conduit since the majority of the underground utilities are buried within the top 6 feet of soil. A copy of the Conduit Survey Map is included as Appendix D.

Updates to the sensitive receptor survey were performed in 2005 and again in 2009 in preparation for this report. No sensitive receptors were identified within 500 feet of the site. The closest water-production well identified is a municipal well approximately 888 feet west-northwest of the site; the existence and location of this well could not be verified in the field during the 2005 survey. The closest surface water body is Upper Penitencia Creek located approximately 700 feet southwest of the site. All other sensitive receptors identified are located more than 1,000 feet from the site. The results of both the 2005 survey and the current survey are presented as Appendix D.

RISK EVALUATION

A formal risk assessment has not been performed for the subject site. A general evaluation suggests that the site conditions do not pose a significant risk to human health or the environment. Numerous soil samples have

been collected from the site since 1999 and very few have had detectable concentrations of petroleum hydrocarbons; none of the soil samples have had TPPH, BTEX compounds or MTBE above the ESLs. Only one sample contained a concentration of TEPH above the ESL, and it was extremely localized beneath the former dispenser island. The relatively minor impacts of residual petroleum hydrocarbon in soil minimize any risk to groundwater due to leaching, or to human health due to direct contact (dermal or ingestion) or vapor intrusion.

Although concentrations of the COC in groundwater have exceeded the ESLs, there is minimal risk associated with the residual petroleum hydrocarbons. San Francisco Bay RWQCB guidance indicates that the residual concentrations would primarily pose a risk to drinking water or other sensitive receptors. No sensitive receptors were identified within 500 feet of the site, and monitoring data indicate that the lateral extent of the impacted groundwater is predominantly within the boundaries of the site. The vertical extent of the impacted groundwater is currently the shallow water-bearing zone. Delta has referenced ESLs that apply in areas where groundwater is a potential source of drinking water for this evaluation; however, neither the shallow nor the deeper water-bearing zones beneath the site are currently drinking water resources. The zones are not likely to be used as water resources due to their low yields, and the location of the site within the confined zone rather than the recharge zone of the Santa Clara Subbasin, will significantly inhibit any potential migration of the COC to deeper aquifers that are utilized as water resources.

REQUEST FOR NO FUTHER ACTION

Shell requests that the SCCDEH and the RWQCB close the case for this site and issue a letter requiring no further action. This request is based on the following:

- Residual petroleum hydrocarbon impacts to soil and groundwater beneath the subject site are fully delineated and limited in extent. TPPH, BTEX compounds, and MTBE have not been detected at concentrations above the ESLs in any of the soil samples analyzed since 1999. Recent monitoring data indicate TPPH and MTBE concentrations in groundwater that have exceeded the ESLs are limited laterally within the site boundaries and vertically within shallow water-bearing zone. Hydrographs of the most impacted wells show decreasing trends in concentrations suggesting attenuation of the residual petroleum hydrocarbons in groundwater.
- The residual petroleum hydrocarbons in soil and groundwater beneath the subject site do not pose a threat to human health or the environment. The impacts to soil are minor and are not considered a risk to groundwater due to leaching, or to human health due to direct contact or vapor intrusion. According to the San Francisco Bay RWQCB guidance, the groundwater concentrations that exceed the ESLs are also not considered a risk from direct contact or vapor intrusion, but may pose a risk to drinking water or other sensitive receptors. The shallow water-bearing zone is not currently a drinking water resource, and no sensitive receptors were identified within 500 feet of the site. Additionally, the location of the site within the confined zone of the Santa Clara Subbasin, will likely inhibit migration of the residual petroleum hydrocarbons to deeper aquifers that are utilized as water resources.

Upon receipt of a case closure letter, Delta will proceed with destroying the site wells.

REMARKS

The recommendations contained in this report represent Delta's professional opinions based upon the currently available information and are arrived at in accordance with currently acceptable professional standards. This report is based upon a specific scope of work requested by the client. The Contract between Delta and its client outlines the scope of work, and only those tasks specifically authorized by that contract or outlined in this report were performed. This report is intended only for the use of Delta's Client and anyone else specifically listed on this report. Delta will not and cannot be liable for unauthorized reliance by any other third party. Other than as contained in this paragraph, Delta makes no express or implied warranty as to the contents of this report.

If you have any questions regarding this site, please contact Ms. Regina Bussard (Delta) at (408) 826-1876 or Mr. Denis Brown (Shell) at (707) 865-0251.

Sincerely,
Delta Consultants, Inc.

Angela Pico
ANGELA PICO FOR:
Cora Olson
Staff Engineer

Regina Bussard
Regina Bussard
Project Manager, P.G

PROFESSIONAL GEOLOGIST
REGINA M. BUSSARD
No. 8288
EXP. 1/31/10
STATE OF CALIFORNIA

cc: Mr. Denis Brown, Shell Oil Products US

Attachments:

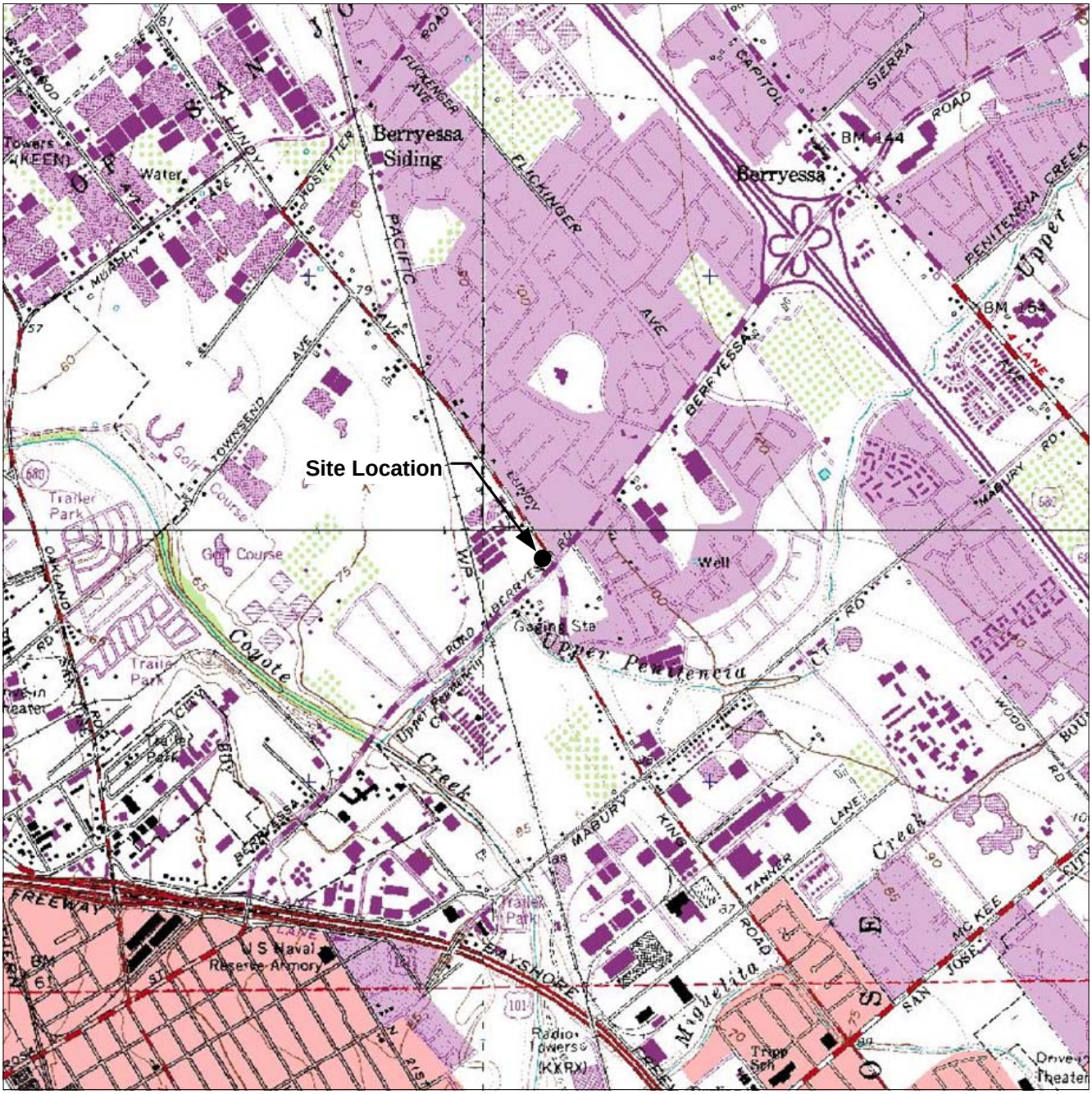
Figure 1 – Site Location Map
Figure 2 – Site Map
Figure 3 – Groundwater Elevation Contour Map – 5/27/2009
Figure 4 – Groundwater Hydrocarbon Distribution Map – 5/27/2009

Graph 1 – TPH-g and MTBE Concentrations vs. Time - Well MW-2A
Graph 2 – TPH-g and MTBE Concentrations vs. Time - Well MW-3
Graph 3 – TPH-g and MTBE Concentrations vs. Time - Well MW-6

Table 1 – Well Concentrations
Table 2 – Historic Soil Data
Table 3 – Historic Grab Groundwater Data

Appendix A – Case Closure Summary
Appendix B – Historic Remediation System Data
Appendix C – Boring Logs
Appendix D – Sensitive Receptor and Utility Survey Information

FIGURES



GENERAL NOTES:
Base Map from: DeLorme Yarmouth, ME 04096
Source Data: USGS

North

0 1,800 3,600
Scale, Feet

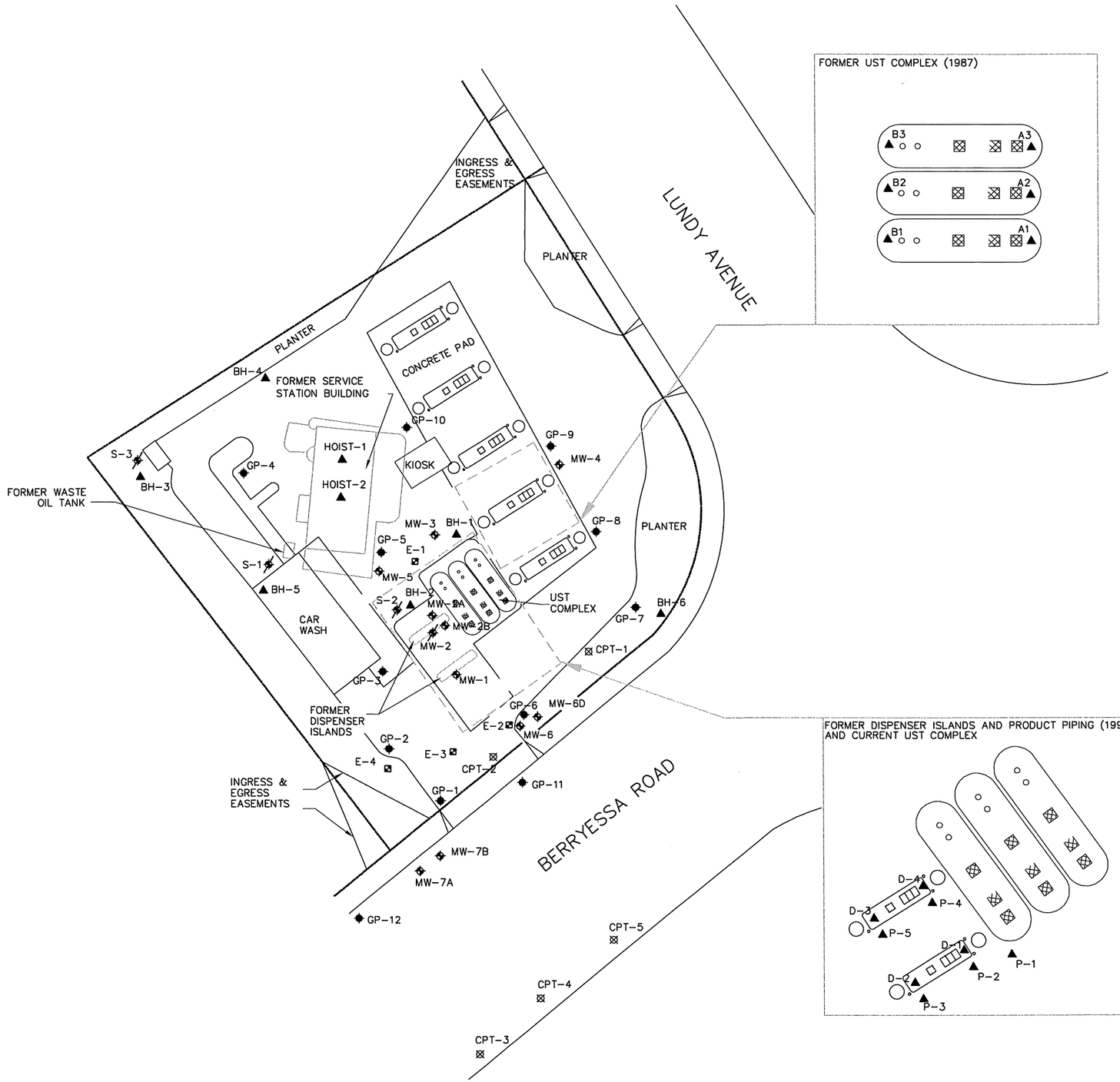
FIGURE 1

SITE LOCATION MAP

SHELL STATION
1705 BERRYESSA RD
SAN JOSE, CALIFORNIA

PROJECT NO. SCA1705b1A	DRAWN BY RW
FILE NO.	PREPARED BY RW
REVISION NO.	REVIEWED BY

DELTA



LEGEND

MW-1	◈	GROUNDWATER MONITORING WELL LOCATION AND DESIGNATION
E-1	⊠	EXTRACTION WELL LOCATION AND DESIGNATION
S-1	✱	ABANDONED MONITORING WELL LOCATION AND DESIGNATION
CPT-1	⊠	CPT BORING LOCATION
GP-1	◆	GEOPROBE LOCATION
BH-1	▲	SOIL SAMPLE LOCATION

NOTES

E-1= SCREENED 10'-25'
2B= SCREENED 35'-40'
2A= SCREENED 10'-25'
6D= SCREENED 36'-41'

0 25 50
SCALE IN FEET

DRAWN BY	CHECKED BY	APPROVED BY	PROJECT NUMBER
A.D. 11/05/2009			SCA1705B1A

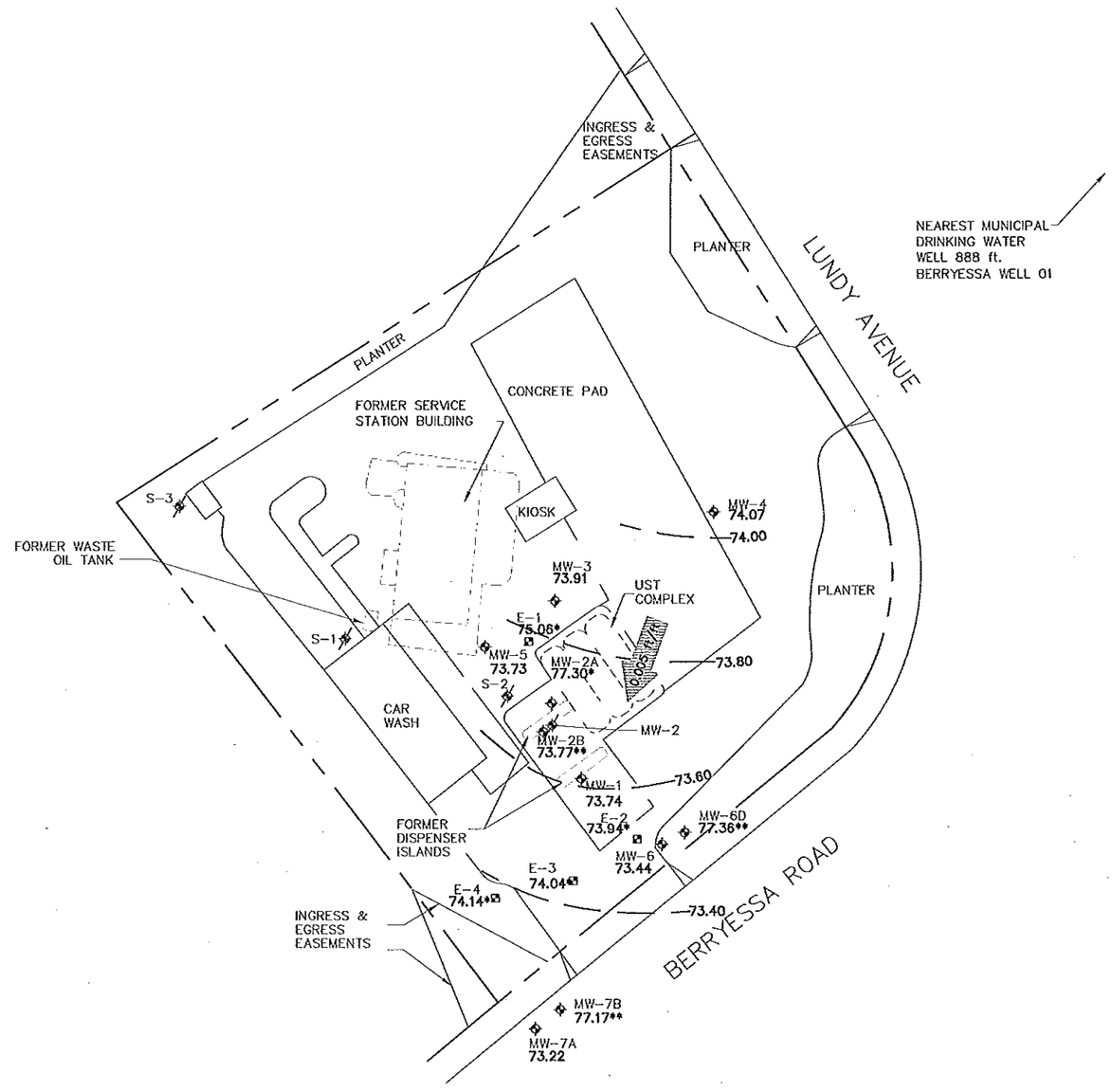
DELTA CONSULTANTS

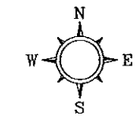
SHELL OIL PRODUCTS US
SHELL-BRANDED SERVICE STATION
SAN JOSE, CALIFORNIA

FIGURE 2

SITE MAP

1705 BERRYESSA ROAD
SAN JOSE, CALIFORNIA





LEGEND

MW-1	GROUNDWATER MONITORING WELL LOCATION AND DESIGNATION
E-1	EXTRACTION WELL LOCATION AND DESIGNATION
S-1	ABANDONED MONITORING WELL LOCATION AND DESIGNATION
75.00	GROUNDWATER ELEVATION IN FEET ABOVE MEAN SEA LEVEL (Ft/MSL)
74.00	GROUNDWATER CONTOUR IN FEET ABOVE MEAN SEA LEVEL (Ft/MSL)
	CONTOUR INTERVAL=0.20 FEET
0.005 ft/ft	APPROXIMATE GROUNDWATER GRADIENT DIRECTION (ft/ft)
*	ANOMALOUS DATA NOT USED IN CONTOURING
**	DEEPER SCREENED WELL NOT USED IN CONTOURING

NOTES

E-1= SCREENED 10'-25'
2B= SCREENED 35'-40'
2A= SCREENED 10'-25'
6D= DEEPER (LOG NOT AVAILABLE)

0 25 50
SCALE IN FEET

PROJECT NUMBER	SCA1705B1A
APPROVED BY	
CHECKED BY	
DRAWN BY	J.F.F. 6/22/2009

DELTA CONSULTANTS

SHELL OIL PRODUCTS US
SHELL-BRANDED SERVICE STATION
SAN JOSE, CALIFORNIA

FIGURE 3

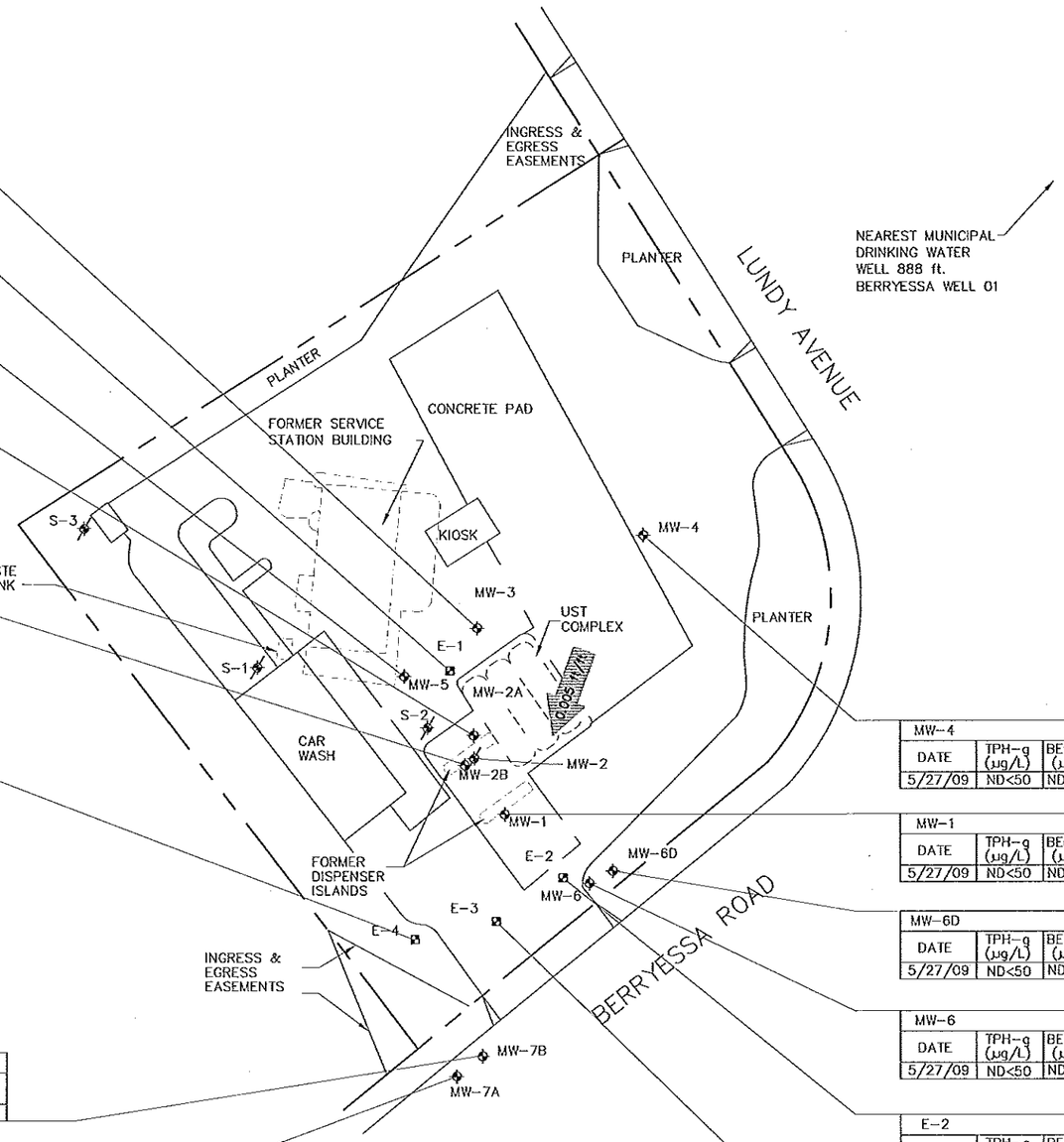
GROUNDWATER ELEVATION CONTOUR MAP
5/27/2009
1705 BERRYESSA ROAD
SAN JOSE, CALIFORNIA

PROJECT NUMBER SCA1705B1A

APPROVED BY

CHECKED BY

DRAWN BY J.F.F. 6/22/2009



MW-3				
DATE	TPH-g (µg/L)	BENZENE (µg/L)	MTBE (µg/L)	TBA (µg/L)
5/27/09	74	ND<0.50	51	ND<10

E-1				
DATE	TPH-g (µg/L)	BENZENE (µg/L)	MTBE (µg/L)	TBA (µg/L)
5/27/09	ND<50	ND<0.50	ND<1.0	ND<10

MW-5				
DATE	TPH-g (µg/L)	BENZENE (µg/L)	MTBE (µg/L)	TBA (µg/L)
5/27/09	ND<50	ND<0.50	ND<1.0	ND<10

MW-2A				
DATE	TPH-g (µg/L)	BENZENE (µg/L)	MTBE (µg/L)	TBA (µg/L)
5/27/09	570	ND<0.50	ND<1.0	ND<10

MW-2B				
DATE	TPH-g (µg/L)	BENZENE (µg/L)	MTBE (µg/L)	TBA (µg/L)
5/27/09	ND<50	ND<0.50	ND<1.0	ND<10

E-4				
DATE	TPH-g (µg/L)	BENZENE (µg/L)	MTBE (µg/L)	TBA (µg/L)
5/27/09	ND<50	ND<0.50	ND<1.0	ND<10

MW-7B				
DATE	TPH-g (µg/L)	BENZENE (µg/L)	MTBE (µg/L)	TBA (µg/L)
5/27/09	ND<50	ND<0.50	ND<1.0	ND<10

MW-7A				
DATE	TPH-g (µg/L)	BENZENE (µg/L)	MTBE (µg/L)	TBA (µg/L)
5/27/09	ND<50	ND<0.50	ND<1.0	ND<10

MW-4				
DATE	TPH-g (µg/L)	BENZENE (µg/L)	MTBE (µg/L)	TBA (µg/L)
5/27/09	ND<50	ND<0.50	ND<1.0	ND<10

MW-1				
DATE	TPH-g (µg/L)	BENZENE (µg/L)	MTBE (µg/L)	TBA (µg/L)
5/27/09	ND<50	ND<0.50	ND<1.0	ND<10

MW-6D				
DATE	TPH-g (µg/L)	BENZENE (µg/L)	MTBE (µg/L)	TBA (µg/L)
5/27/09	ND<50	ND<0.50	ND<1.0	ND<10

MW-6				
DATE	TPH-g (µg/L)	BENZENE (µg/L)	MTBE (µg/L)	TBA (µg/L)
5/27/09	ND<50	ND<0.50	19	ND<10

E-2				
DATE	TPH-g (µg/L)	BENZENE (µg/L)	MTBE (µg/L)	TBA (µg/L)
5/27/09	ND<50	ND<0.50	26	ND<10

E-3				
DATE	TPH-g (µg/L)	BENZENE (µg/L)	MTBE (µg/L)	TBA (µg/L)
5/27/09	ND<50	ND<0.50	ND<1.0	ND<10

0 25 50 SCALE IN FEET

N W E S

LEGEND

MW-1	GROUNDWATER MONITORING WELL LOCATION AND DESIGNATION
E-1	EXTRACTION WELL LOCATION AND DESIGNATION
S-1	ABANDONED MONITORING WELL LOCATION AND DESIGNATION
TPH-g	TOTAL PETROLEUM HYDROCARBONS AS GASOLINE
MTBE	METHYL TERT-BUTYL ETHER
TBA	TERT-BUTYL ALCOHOL
µg/L	MICROGRAMS PER LITER
ND<	NOT DETECTED ABOVE LIMIT NOTED
NS	NOT SAMPLED
0.005 ft/ft	APPROXIMATE GROUNDWATER GRADIENT DIRECTION (ft/ft)

NOTES

E-1= SCREENED 10'-25'
2B= SCREENED 35'-40'
2A= SCREENED 10'-25'
6D= DEEPER (LOG NOT AVAILABLE)

DELTA CONSULTANTS

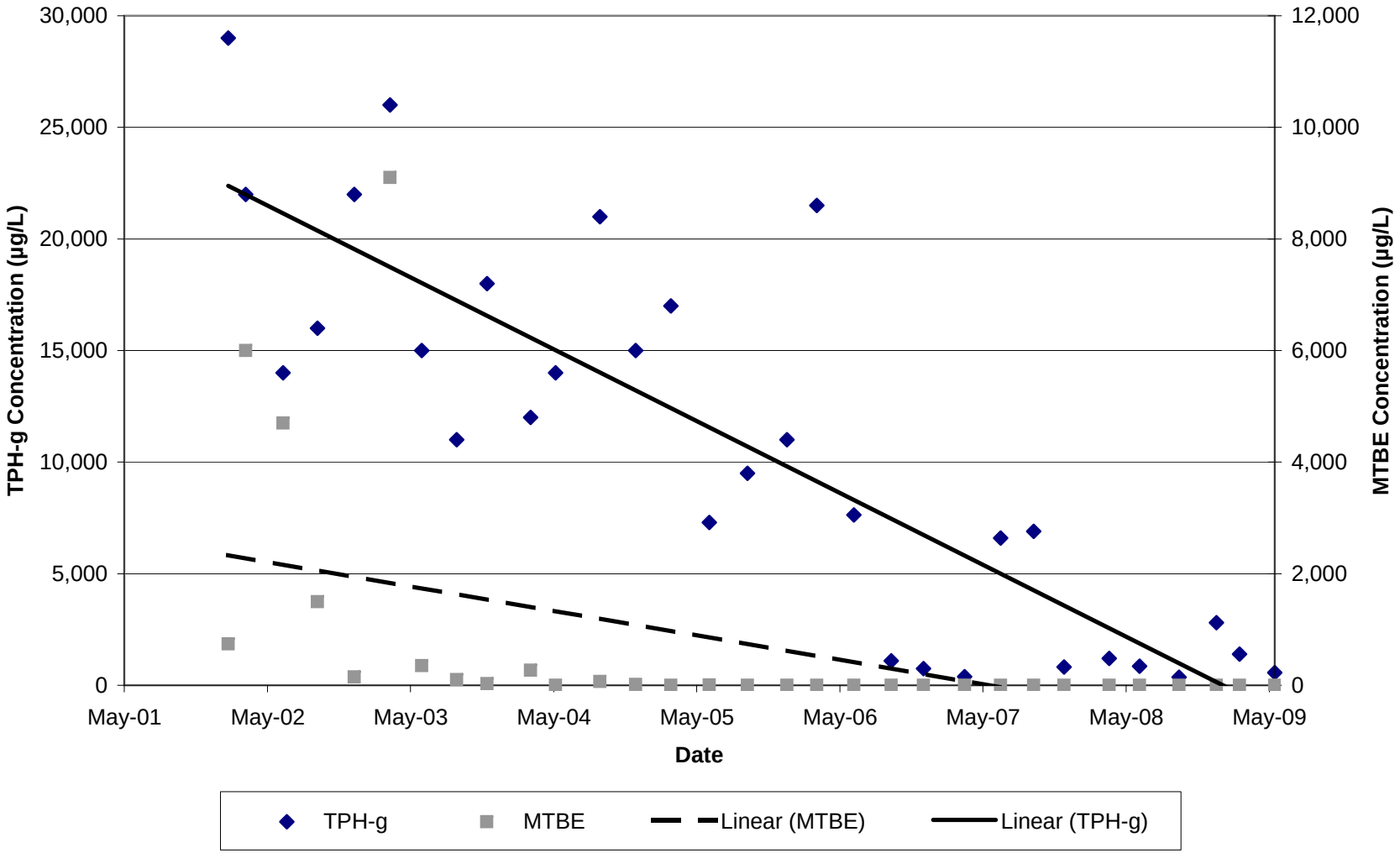
SHELL OIL PRODUCTS US
SHELL-BRANDED SERVICE STATION
SAN JOSE, CALIFORNIA

FIGURE 4
GROUNDWATER HYDROCARBON DISTRIBUTION MAP
5/27/2009
1705 BERRYESSA ROAD
SAN JOSE, CALIFORNIA

GRAPHS

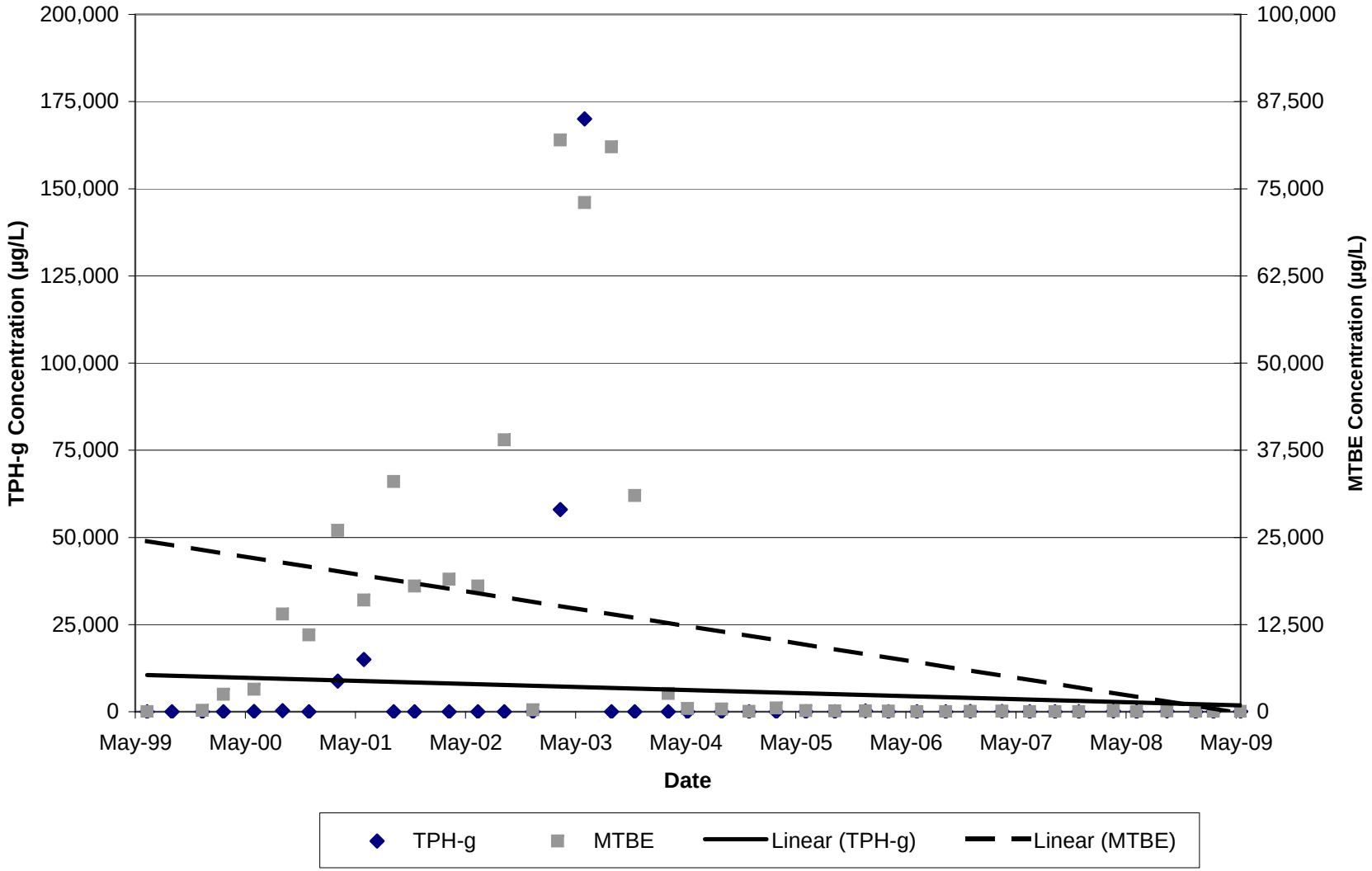
GRAPH 1
TPH-G AND MTBE CONCENTRATIONS VS. TIME - WELL MW-2A

Shell-Branded Service Station
1705 Berryessa Road
San Jose, California



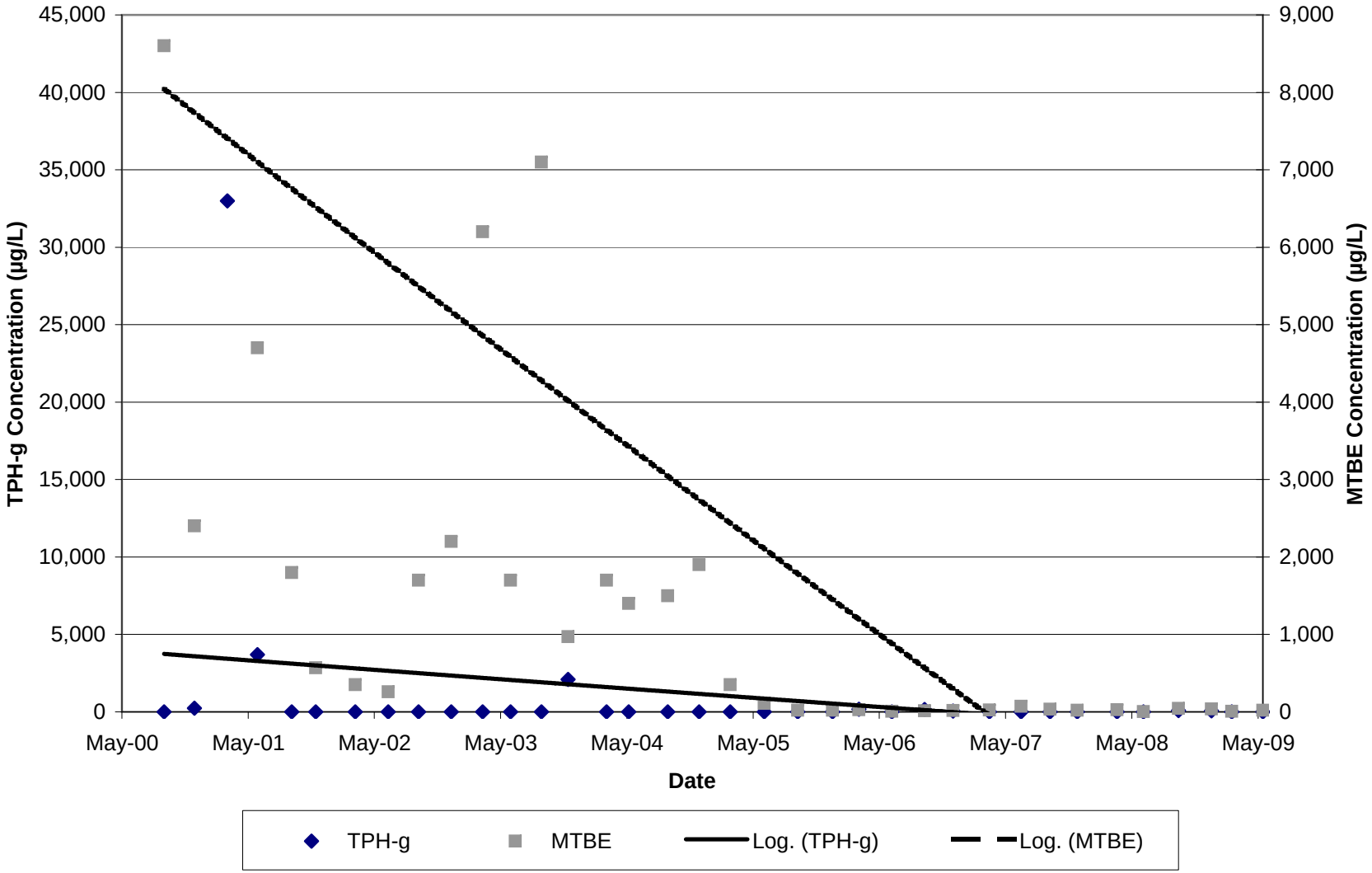
GRAPH 2
TPH-G AND MTBE CONCENTRATIONS VS. TIME - WELL MW-3

Shell-Branded Service Station
1705 Berryessa Road
San Jose, California



GRAPH 3
TPH-G AND MTBE CONCENTRATIONS VS. TIME - WELL MW-6

Shell-Branded Service Station
1705 Berryessa Road
San Jose, California



TABLES

TABLE 1
WELL CONCENTRATIONS

Shell-branded Service Station
1705 Berryessa Road
San Jose, California

Well ID	Date	TPPH (µg/L)	TEPH (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE 8020 (µg/L)	MTBE 8260 (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	TBA (µg/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	DO Reading (ppm)
S-1	6/21/1999	NS	300	33	<6	37	37	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
S-1	9/28/1990	NS	NS	<4.4	<6	<7.2	<5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
S-1	12/26/1990	460	<50	13	2.5	23	40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
S-1	4/26/1991	1900	NS	46	4.2	40	51	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
S-1	8/14/1991	1100	410	40	3.9	29	32	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
S-1	11/22/1991	1900	1000	32	5.9	46	74	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
S-1	2/21/1992	340	90	40	4.4	13	13	NA	NA	NA	NA	NA	NA	NA	15.33	NA	NA
S-1	5/4/1992	560	NS	37	3.4	28	27	NA	NA	NA	NA	NA	NA	NA	15.37	NA	NA
S-1	8/6/1992	750	130	28	3.1	32	39	NA	NA	NA	NA	NA	NA	NA	16.13	NA	NA
S-1	10/15/1992	470	87	31	2.9	27	28	NA	NA	NA	NA	NA	NA	NA	16.87	NA	NA
S-1	2/18/1993	650	190	25	4.7	27	34	NA	NA	NA	NA	NA	NA	NA	14.06	NA	NA
S-1	5/28/1993	180	73	13	1.7	9.9	6.8	NA	NA	NA	NA	NA	NA	NA	13.90	NA	NA
S-1	8/6/1993	150	56	14	1.2	11	6.6	NA	NA	NA	NA	NA	NA	NA	13.61	NA	NA
S-1	11/17/1993	850	930	22	55	53	55	NA	NA	NA	NA	NA	NA	NA	13.85	NA	NA
S-1	2/4/1994	1800	180	32	5.4	77	94	NA	NA	NA	NA	NA	NA	NA	16.60	NA	NA
S-1	5/25/1994	2700	1100	34	60	66	130	NA	NA	NA	NA	NA	NA	NA	13.68	NA	NA
S-1	8/31/1994	2200	920	30	37	59	100	NA	NA	NA	NA	NA	NA	NA	14.66	NA	NA
S-1	11/11/1994	1700	540	25	13	59	74	NA	NA	NA	NA	NA	NA	NA	14.22	NA	NA
S-1	2/9/1995	240	260	7.1	1.1	11	11	NA	NA	NA	NA	NA	NA	NA	11.96	NA	NA
S-1	5/4/1995	580	NS	15	2.7	20	20	NA	NA	NA	NA	NA	NA	NA	11.42	NA	NA
S-1	8/1/1995	490	250	13	1.7	22	19	NA	NA	NA	NA	NA	NA	NA	10.83	NA	NA
S-1	11/6/1995	1700	550	26	4.7	51	50	NA	NA	NA	NA	NA	NA	NA	11.80	NA	NA
S-1	2/12/1996	1600	510	18	12	47	52	NA	NA	NA	NA	NA	NA	NA	10.95	NA	NA
S-1	5/17/1996	460	<50	3.1	6.1	12.4	12	NA	<10	NA	NA	NA	NA	NA	11.26	NA	NA
S-2	8/1/1995	7900	3900	22	7.7	<5.0	640	NA	NA	NA	NA	NA	NA	NA	10.41	NA	NA
S-2	11/6/1995	<50	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	11.50	NA	NA
S-2	2/12/1996	80	80	<0.5	<0.5	2.9	2.6	NA	NA	NA	NA	NA	NA	NA	10.65	NA	NA
S-2	5/17/1996	<50	<50	<0.5	<0.5	<0.5	<0.5	NA	<10	NA	NA	NA	NA	NA	10.46	NA	NA

TABLE 1
WELL CONCENTRATIONS

Shell-branded Service Station
1705 Berryessa Road
San Jose, California

Well ID	Date	TPPH (µg/L)	TEPH (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE 8020 (µg/L)	MTBE 8260 (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	TBA (µg/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	DO Reading (ppm)
S-3	8/1/1995	50	60	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	12.12	NA	NA
S-3	11/6/1995	<50	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	12.80	NA	NA
S-3	2/12/1996	<50	<0.5	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	11.76	NA	NA
S-3	5/17/1996	<50	<50	<0.5	<0.5	<0.5	<0.5	NA	<10	NA	NA	NA	NA	NA	12.08	NA	NA
MW-1	6/23/1999	<50	59.7 a	<0.50	<0.50	<0.50	<0.50	2,400	2,600	NA	NA	NA	NA	86.64	13.31	73.33	NA
MW-1	9/14/1999	<50	<50	<0.5	<0.5	<0.5	<0.5	15,000	3,600	NA	NA	NA	NA	86.64	13.40	73.24	NA
MW-1	12/23/1999	<50	<50	<0.5	<0.5	<0.5	<1	150	170	NA	NA	NA	NA	86.64	13.40	73.24	NA
MW-1	3/2/2000	170	94	15	3.2	7.2	23	11,000	9,300	NA	NA	NA	NA	86.64	12.15	74.49	NA
MW-1	6/12/2000	<50	<50	<0.5	<0.5	<0.5	<1	6,600	8,100	NA	NA	NA	NA	86.64	13.11	73.53	NA
MW-1	9/14/2000	<50	<50	<0.5	<0.5	<0.5	<1.0	1,200	1,400	NA	NA	NA	NA	86.64	13.30	73.34	NA
MW-1	12/11/2000	68	<50	<0.5	<0.5	<0.5	<1.0	1,500	1,300	NA	NA	NA	NA	86.64	13.66	72.98	NA
MW-1	3/16/2001	70,000	180	130	<25	<25	<50	110,000	140,000	NA	NA	NA	NA	86.64	13.50	73.14	NA
MW-1	6/11/2001	520	<50	<0.5	<0.5	<0.5	<1.5	760	1,200	NA	NA	NA	NA	86.64	14.06	72.58	NA
MW-1	9/18/2001	<250	<50	<2.5	<2.5	<2.5	<2.5	NA	1,400	NA	NA	NA	NA	86.64	13.46	73.18	NA
MW-1	11/26/2001	<50	<50	<0.50	<0.50	<0.50	<0.50	NA	320	NA	NA	NA	NA	86.64	13.88	72.76	NA
MW-1	3/21/2002	<50	<50	<0.50	<0.50	<0.50	<0.50	NA	160	NA	NA	NA	NA	86.64	13.58	73.06	NA
MW-1	6/24/2002	<50	<50	<0.50	<0.50	<0.50	<0.50	NA	88	NA	NA	NA	NA	86.64	13.90	72.74	NA
MW-1	9/20/2002	<50	<50	<0.50	<0.50	<0.50	<0.50	NA	260	NA	NA	NA	NA	86.64	14.58	72.06	NA
MW-1	12/23/2002	<50	<50	<0.50	<0.50	<0.50	<0.50	NA	860	NA	NA	NA	NA	86.64	13.81	72.83	NA
MW-1	3/24/2003	140	<50	<0.50	<0.50	<0.50	<1.0	NA	120	NA	NA	NA	NA	86.64	14.29	72.35	NA
MW-1	6/13/2003	<50	<50	<0.50	<0.50	<0.50	<1.0	NA	12	NA	NA	NA	NA	86.64	13.53	73.11	NA
MW-1	9/10/2003	<50	<50	<0.50	<0.50	<0.50	<1.0	NA	3.4	NA	NA	NA	NA	86.64	14.70	71.94	NA
MW-1	11/26/2003	<1,000	730 a	<10	<10	<10	<20	NA	570	NA	NA	NA	NA	86.64	12.84	73.80	NA
MW-1	3/16/2004	<50	100 a	<0.50	<0.50	<0.50	<1.0	NA	8.1	NA	NA	NA	NA	86.64	13.40	73.24	NA
MW-1	5/19/2004	<50	74 a	<0.50	<0.50	<0.50	<1.0	NA	1.9	NA	NA	NA	NA	86.64	12.50	74.14	NA
MW-1	9/9/2004	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	0.77	NA	NA	NA	80	86.64	12.75	73.89	NA
MW-1	12/9/2004	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	0.71	NA	NA	NA	<5.0	86.64	12.89	73.75	NA
MW-1	3/9/2005	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	0.99	NA	NA	NA	<5.0	86.64	12.70	73.94	NA

TABLE 1
WELL CONCENTRATIONS

Shell-branded Service Station
1705 Berryessa Road
San Jose, California

Well ID	Date	TPPH (µg/L)	TEPH (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE 8020 (µg/L)	MTBE 8260 (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	TBA (µg/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	DO Reading (ppm)
MW-1	6/15/2005	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	0.66	NA	NA	NA	<5.0	86.64	11.71	74.93	NA
MW-1	9/20/2005	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	0.96	<2.0	<2.0	<2.0	<5.0	86.64	11.99	74.65	NA
MW-1	12/30/2005	<50	NA	<0.50	<0.50	<0.50	<0.50	NA	0.58	NA	NA	NA	<20	86.64	11.58	75.06	NA
MW-1	3/16/2006	<50.0	NA	<0.500	<0.500	<0.500	<0.500	NA	<0.500	NA	NA	NA	<10.0	86.64	11.26	75.38	NA
MW-1	6/19/2006	<50.0	NA	<0.500	<0.500	<0.500	<0.500	NA	0.640	NA	NA	NA	<10.0	86.64	11.48	75.16	NA
MW-1	9/22/2006	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	<1.0	<1.0	<1.0	<1.0	<10	86.64	11.70	74.94	NA
MW-1	12/13/2006	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	<0.50	NA	NA	NA	<5.0	86.64	11.85	74.79	NA
MW-1	3/28/2007	<50	NA	<0.50	<1.0	<1.0	<1.0	NA	<1.0	NA	NA	NA	<10	86.64	11.63	75.01	NA
MW-1	6/28/2007	<50 h	NA	<0.50	<1.0	<1.0	<1.0	NA	0.27 g	NA	NA	NA	<10	86.64	12.19	74.45	NA
MW-1	9/20/2007	<50 h	NA	<0.50	<1.0	<1.0	<1.0	NA	<1.0	<2.0	<2.0	<2.0	<10	86.64	12.33	74.31	NA
MW-1	12/7/2007	<50 h	NA	<0.50	<1.0	<1.0	<1.0	NA	0.33 g	NA	NA	NA	<10	86.64	12.35	74.29	NA
MW-1	3/31/2008	<50	NA	<0.50	<1.0	<1.0	<1.0	NA	<1.0	NA	NA	NA	<10	86.64	12.26	74.38	NA
MW-1	6/16/2008	<50	NA	<0.50	<1.0	<1.0	<1.0	NA	<1.0	NA	NA	NA	<10	86.64	12.51	74.13	NA
MW-1	9/25/2008	<50	NA	<0.50	<1.0	<1.0	<1.0	NA	<1.0	<2.0	<2.0	<2.0	<10	86.64	12.95	73.69	NA
MW-1	12/29/2009	<50	NA	<0.50	<1.0	<1.0	<1.0	NA	<1.0	NA	NA	NA	<10	86.64	13.02	73.62	NA
MW-1	2/26/2009	<50	NA	<0.50	<1.0	<1.0	<1.0	NA	<1.0	NA	NA	NA	<10	86.64	12.28	74.36	NA
MW-1	**5/27/2009**	**<50**	**NA**	**<0.50**	**<1.0**	**<1.0**	**<1.0**	**NA**	**<1.0**	**NA**	**NA**	**NA**	**<10**	**86.64**	**12.90**	**73.74**	**NA**
MW-2	6/23/1999	710	201 a	0.98	0.86	0.58	9.2	13	<2.0	NA	NA	NA	NA	86.50	9.68	76.82	NA
MW-2	9/14/1999	1,700	660	<0.5	23	10	6	<3	NA	NA	NA	NA	NA	86.50	9.62	76.88	NA
MW-2	12/23/1999	632	290	<0.5	<0.5	3.0	<1	<3	NA	NA	NA	NA	NA	86.50	9.60	76.90	NA
MW-2	3/2/2000	320	160	<0.5	1.1	1.0	<1	<3	NA	NA	NA	NA	NA	86.50	8.23	78.27	NA
MW-2	6/12/2000	190	88	<0.5	<0.5	<0.5	<1	<3	NA	NA	NA	NA	NA	86.50	9.10	77.40	NA
MW-2	9/14/2000	160	55	<0.5	1.1	<0.5	<1.0	<5	NA	NA	NA	NA	NA	86.50	9.54	76.96	NA
MW-2	12/11/2000	180	<50	<0.5	3.0	<0.5	<1.0	<5	NA	NA	NA	NA	NA	86.50	9.92	76.58	NA
MW-2	3/16/2001	63	<50	<0.5	1.7	<0.5	<1.0	<5	NA	NA	NA	NA	NA	86.50	9.66	76.84	NA
MW-2	6/11/2001	140	<50	<0.5	2.8	<0.5	<1.5	<5	NA	NA	NA	NA	NA	86.50	9.63	76.87	NA
MW-2	9/18/2001	120	240	<0.50	<0.50	<0.50	<0.50	NA	<5.0	NA	NA	NA	NA	86.50	10.23	76.27	NA
MW-2	11/26/2001	<50	<50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	NA	NA	NA	NA	86.50	10.59	75.91	NA

TABLE 1
WELL CONCENTRATIONS
Shell-branded Service Station
1705 Berryessa Road
San Jose, California

Well ID	Date	TPPH (µg/L)	TEPH (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE 8020 (µg/L)	MTBE 8260 (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	TBA (µg/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	DO Reading (ppm)
MW-2A	1/31/2002	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	12.72	NA	NA
MW-2A	2/4/2002	29,000	<2,300	61	29	1,700	3,600	NA	740	NA	NA	NA	NA	NA	11.47	NA	NA
MW-2A	3/21/2002	22,000	<800	31	<10	1,500	990	NA	6,000	NA	NA	NA	NA	NA	11.53	NA	NA
MW-2A	6/24/2002	14,000	<600	24	<10	1,300	440	NA	4,700	NA	NA	NA	NA	86.55	11.69	74.86	NA
MW-2A	9/20/2002	16,000	<1,700	63	<5.0	990	1,700	NA	1,500	NA	NA	NA	NA	86.55	13.63	72.92	NA
MW-2A	12/23/2002	22,000	<8,000	88	<10	1,700	2,100	NA	150	NA	NA	NA	NA	86.55	11.91	74.64	NA
MW-2A	3/24/2003	26,000	5,700	150	<50	2,100	2,500	NA	9,100	NA	NA	NA	NA	86.55	13.86	72.69	NA
MW-2A	6/13/2003	15,000	3,800 a	100	<50	2,000	1,400	NA	350	NA	NA	NA	NA	86.55	11.60	74.95	NA
MW-2A	9/10/2003	11,000	2,900 a	72	<10	1,600	910	NA	100	NA	NA	NA	NA	86.55	12.05	74.50	NA
MW-2A	11/26/2003	18,000	1,600 a	37	<10	1,200	1,200	NA	31	NA	NA	NA	NA	86.55	10.58	75.97	NA
MW-2A	3/16/2004	12,000	1,900 a	55	<10	1,600	890	NA	270	NA	NA	NA	NA	86.55	10.59	75.96	NA
MW-2A	5/19/2004	14,000	3,500 a	24	<10	1,000	1,500	NA	<10	NA	NA	NA	NA	86.55	10.48	76.07	NA
MW-2A	9/9/2004	21,000	NA	27	<10	1,500	2,000	NA	69	NA	NA	NA	<100	86.55	10.61	75.94	NA
MW-2A	12/9/2004	15,000	NA	23	<10	1,400	530	NA	14	NA	NA	NA	<100	86.55	10.74	75.81	NA
MW-2A	3/9/2005	17,000	NA	12	<10	730	1,600	NA	<10	NA	NA	NA	<100	86.55	10.45	76.10	NA
MW-2A	6/15/2005	7,300	NA	9.0	<2.5	480	68	NA	5.8	NA	NA	NA	<25	86.55	10.52	76.03	NA
MW-2A	9/20/2005	9,500	NA	5.8	<5.0	520	600	NA	<5.0	<20	<20	<20	<50	86.55	10.65	75.90	NA
MW-2A	12/30/2005	11,000 e	NA	4.6	<2.5	440	770	NA	<2.5	NA	NA	NA	<100	86.55	10.57	75.98	NA
MW-2A	3/16/2006	21,500	NA	4.47	<0.500	733	1,340	NA	<0.500	NA	NA	NA	<10.0	86.55	10.54	76.01	NA
MW-2A	6/19/2006	7,630	NA	1.50	<0.500	196	267	NA	1.75	NA	NA	NA	<10.0	86.55	10.75	75.80	NA
MW-2A	9/22/2006	1,100	NA	<0.50	<0.50	43	3.5	NA	<1.0	<1.0	<1.0	<1.0	<10	86.55	11.65	74.90	NA
MW-2A	12/13/2006	750	NA	<0.50	<0.50	17	2.3	NA	0.60	NA	NA	NA	<5.0	86.55	11.67	74.88	NA
MW-2A	3/28/2007	390 f	NA	<0.50	<1.0	2.2	<1.0	NA	0.54 g	NA	NA	NA	<10	86.55	11.62	74.93	NA
MW-2A	6/28/2007	6,600 h	NA	1.1	<1.0	280	379.5	NA	<1.0	NA	NA	NA	<10	86.55	12.22	74.33	NA
MW-2A	9/20/2007	6,900 f,h	NA	1.4	<1.0	160	336.0	NA	<1.0	<2.0	<2.0	<2.0	<10	86.55	12.21	74.34	NA
MW-2A	12/7/2007	820 h	NA	0.39 g	0.41 g	71	13.1	NA	0.72 g	NA	NA	NA	<10	86.55	12.18	74.37	NA
MW-2A	3/31/2008	1,200	NA	<0.50	<1.0	40	22	NA	<1.0	NA	NA	NA	<10	86.55	12.16	74.39	NA
MW-2A	6/16/2008	860	NA	<0.50	<1.0	18	2.1	NA	<1.0	NA	NA	NA	<10	86.55	12.49	74.06	NA
MW-2A	9/25/2008	360	NA	<0.50	<1.0	<1.0	<1.0	NA	<1.0	<2.0	<2.0	<2.0	<10	86.55	12.93	73.62	NA
MW-2A	12/29/2008	2,800	NA	1.1	<1.0	92	120	NA	<1.0	NA	NA	NA	<10	86.55	13.04	73.51	NA

TABLE 1
WELL CONCENTRATIONS

Shell-branded Service Station
1705 Berryessa Road
San Jose, California

Well ID	Date	TPPH (µg/L)	TEPH (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE 8020 (µg/L)	MTBE 8260 (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	TBA (µg/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	DO Reading (ppm)
MW-2A	2/26/2009	1,400	NA	<0.50	<1.0	49	14	NA	<1.0	NA	NA	NA	<10	86.55	12.21	74.34	NA
MW-2A	**5/27/2009**	**570**	**NA**	**<0.50**	**<1.0**	**<1.0**	**<1.0**	**NA**	**<1.0**	**NA**	**NA**	**NA**	**<10**	**86.55**	**9.25**	**77.30**	**NA**
MW-2B	1/31/2002	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	11.10	NA	NA
MW-2B	2/4/2002	<500	1,300	<5.0	<5.0	<5.0	5.1	NA	1,700	NA	NA	NA	NA	NA	10.76	NA	NA
MW-2B	3/21/2002	<50	<300	<0.50	<0.50	<0.50	0.67	NA	200	NA	NA	NA	NA	NA	10.80	NA	NA
MW-2B	6/24/2002	91	<50	<0.50	<0.50	<0.50	<0.50	NA	19	NA	NA	NA	NA	86.58	10.86	75.72	NA
MW-2B	9/20/2002	<50	<50	<0.50	<0.50	<0.50	<0.50	NA	35	NA	NA	NA	NA	86.58	11.12	75.46	NA
MW-2B	12/23/2002	<50	<50	<0.50	<0.50	<0.50	<0.50	NA	<5.0	NA	NA	NA	NA	86.58	10.55	76.03	NA
MW-2B	3/24/2003	<50	69	<0.50	<0.50	<0.50	<1.0	NA	<5.0	NA	NA	NA	NA	86.58	10.75	75.83	NA
MW-2B	6/13/2003	<50	<50	<0.50	<0.50	0.88	1.9	NA	1.3	NA	NA	NA	NA	86.58	10.04	76.54	NA
MW-2B	9/10/2003	<50	<50	<0.50	<0.50	<0.50	<1.0	NA	8.7	NA	NA	NA	NA	86.58	9.40	77.18	NA
MW-2B	11/26/2003	<50	<50	<0.50	<0.50	<0.50	<1.0	NA	<0.50	NA	NA	NA	NA	86.58	8.34	78.24	NA
MW-2B	3/16/2004	<50	90 a	<0.50	<0.50	<0.50	1.1	NA	0.78	NA	NA	NA	NA	86.58	7.47	79.11	NA
MW-2B	5/19/2004	<50	<50	<0.50	<0.50	<0.50	<1.0	NA	1.4	NA	NA	NA	NA	86.58	7.69	78.89	NA
MW-2B	9/9/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	86.58	8.09	78.49	NA
MW-2B	12/9/2004	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	<0.50	NA	NA	NA	<5.0	86.58	8.37	78.21	NA
MW-2B	3/9/2005	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	86.58	7.15	79.43	NA
MW-2B	6/15/2005	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	<0.50	NA	NA	NA	<5.0	86.58	7.18	79.40	NA
MW-2B	9/20/2005	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	86.58	7.62	78.96	NA
MW-2B	12/30/2005	<50	NA	<0.50	<0.50	<0.50	1.1	NA	<0.50	NA	NA	NA	<20	86.58	7.25	79.33	NA
MW-2B	3/16/2006	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	86.58	6.65	79.93	NA
MW-2B	6/19/2006	<50.0	NA	<0.500	<0.500	<0.500	<0.500	NA	<0.500	NA	NA	NA	<10.0	86.58	6.77	79.81	NA
MW-2B	9/22/2006	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	86.58	7.31	79.27	NA
MW-2B	12/13/2006	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	<0.50	NA	NA	NA	<5.0	86.58	7.58	79.00	NA
MW-2B	3/28/2007	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	86.58	7.42	79.16	NA
MW-2B	6/28/2007	<50 h	NA	<0.50	<1.0	<1.0	<1.0	NA	<1.0	NA	NA	NA	<10	86.58	7.96	78.62	NA
MW-2B	9/20/2007	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	86.58	8.09	78.49	NA
MW-2B	12/7/2007	<50 h	NA	<0.50	0.48 g	0.37 g	0.24 g	NA	<1.0	NA	NA	NA	<10	86.58	8.46	78.12	NA
MW-2B	3/31/2008	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	86.58	8.34	78.24	NA

TABLE 1
WELL CONCENTRATIONS
Shell-branded Service Station
1705 Berryessa Road
San Jose, California

Well ID	Date	TPPH (µg/L)	TEPH (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE 8020 (µg/L)	MTBE 8260 (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	TBA (µg/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	DO Reading (ppm)
MW-2B	6/16/2008	<50	NA	<0.50	<1.0	<1.0	<1.0	NA	<1.0	NA	NA	NA	<10	86.58	8.70	77.88	NA
MW-2B	9/25/2008	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	86.58	9.33	77.25	NA
MW-2B	12/29/2008	<50	NA	<0.50	<1.0	<1.0	<1.0	NA	<1.0	NA	NA	NA	<10	86.58	9.88	76.70	NA
MW-2B	2/26/2009	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	86.58	9.08	77.50	NA
MW-2B	**5/27/2009**	**<50**	**NA**	**<0.50**	**<1.0**	**<1.0**	**<1.0**	**NA**	**<1.0**	**NA**	**NA**	**NA**	**<10**	**86.58**	**12.81**	**73.77**	**NA**
MW-3	6/23/1999	<50	<50.0	<0.50	<0.50	<0.50	<0.50	15	15	NA	NA	NA	NA	87.46	13.73	73.73	NA
MW-3	9/14/1999	<50	<50	<0.5	1.4	<0.5	3.0	10	NA	NA	NA	NA	NA	87.46	13.85	73.61	NA
MW-3	12/23/1999	<50	<50	2.3	<0.5	<0.5	<1	180	200	NA	NA	NA	NA	87.46	13.80	73.66	NA
MW-3	3/2/2000	<50	<50	2.0	0.6	<0.5	15	2,500	2,500 b	NA	NA	NA	NA	87.46	13.45	74.01	NA
MW-3	6/12/2000	50	<50	7.7	0.7	<0.5	1.5	3,800	3,200	NA	NA	NA	NA	87.46	13.47	73.99	NA
MW-3	9/14/2000	310	c	54	1.6	<0.5	8.0	15,000	14,000	NA	NA	NA	NA	87.46	13.70	73.76	NA
MW-3	12/11/2000	<500	<50	<5	<5	<5	<10	13,000	11,000	NA	NA	NA	NA	87.46	13.89	73.57	NA
MW-3	3/16/2001	8,800	<50	25	1.1	<0.5	2.7	24,000	26,000	NA	NA	NA	NA	87.46	13.19	74.27	NA
MW-3	6/11/2001	15,000	<50	9.0	<5	<5	<15	18,000	16,000	NA	NA	NA	NA	87.46	14.01	73.45	NA
MW-3	9/18/2001	<5,000	<50	<50	<50	<50	<50	NA	33,000	NA	NA	NA	NA	87.46	13.89	73.57	NA
MW-3	11/26/2001	<5,000	<50	<50	<50	<50	<50	NA	18,000	NA	NA	NA	NA	87.46	14.08	73.38	NA
MW-3	3/21/2002	<5,000	<50	<50	<50	<50	72	NA	19,000	NA	NA	NA	NA	87.46	14.21	73.25	NA
MW-3	6/24/2002	<5,000	<50	<50	<50	<50	<50	NA	18,000	NA	NA	NA	NA	87.46	14.37	73.09	NA
MW-3	9/20/2002	<10,000	<50	<100	<100	<100	<100	NA	39,000	NA	NA	NA	NA	87.46	15.02	72.44	NA
MW-3	12/23/2002	<50	58	<0.50	<0.50	<0.50	<0.50	NA	260	NA	NA	NA	NA	87.46	13.99	73.47	NA
MW-3	3/24/2003	58,000	<50	<500	<500	<500	<1,000	NA	82,000	NA	NA	NA	NA	87.46	14.62	72.84	NA
MW-3	6/13/2003	170,000 a	<50	<500	<500	<500	<1,000	NA	73,000	NA	NA	NA	NA	87.46	13.86	73.60	NA
MW-3	9/10/2003	<50,000	<50	<500	<500	<500	<1,000	NA	81,000	NA	NA	NA	NA	87.46	13.80	73.66	NA
MW-3	11/26/2003	<50,000	<50	<500	<500	<500	<1,000	NA	31,000	NA	NA	NA	NA	87.46	12.98	74.48	NA
MW-3	3/16/2004	<2000	<50	<20	<20	<20	<40	NA	2,600	NA	NA	NA	NA	87.46	12.57	74.89	NA
MW-3	5/19/2004	<250	<50	<2.5	<2.5	<2.5	<5.0	NA	450	NA	NA	NA	NA	87.46	12.68	74.78	NA
MW-3	9/9/2004	<100	NA	<2.5	<2.5	<2.5	<5.0	NA	370	NA	NA	NA	770	87.46	12.96	74.50	NA
MW-3	12/9/2004	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	27	NA	NA	NA	260	87.46	12.98	74.48	NA
MW-3	3/9/2005	<250	NA	<2.5	<2.5	<2.5	<5.0	NA	530	NA	NA	NA	960	87.46	11.85	75.61	NA

TABLE 1
WELL CONCENTRATIONS

Shell-branded Service Station
1705 Berryessa Road
San Jose, California

Well ID	Date	TPPH (µg/L)	TEPH (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE 8020 (µg/L)	MTBE 8260 (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	TBA (µg/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	DO Reading (ppm)
MW-3	6/15/2005	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	140	NA	NA	NA	58	87.46	12.04	75.42	NA
MW-3	9/20/2005	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	110	<2.0	<2.0	<2.0	<5.0	87.46	12.37	75.09	NA
MW-3	12/30/2005	250	NA	<2.5	<2.5	7.6	14	NA	130	NA	NA	NA	<100	87.46	11.88	75.58	NA
MW-3	3/16/2006	<50.0	NA	<0.500	<0.500	<0.500	<0.500	NA	61.6	NA	NA	NA	<10.0	87.46	11.36	76.10	NA
MW-3	6/19/2006	<50.0	NA	<0.500	<0.500	<0.500	<0.500	NA	8.77	NA	NA	NA	<10.0	87.46	11.61	75.85	NA
MW-3	9/22/2006	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	16	<1.0	<1.0	<1.0	<10	87.46	12.15	75.31	NA
MW-3	12/13/2006	56	NA	<0.50	<0.50	<0.50	<1.0	NA	22	NA	NA	NA	<5.0	87.46	12.29	75.17	NA
MW-3	3/28/2007	54 f	NA	<0.50	<1.0	<1.0	<1.0	NA	85	NA	NA	NA	<10	87.46	12.17	75.29	NA
MW-3	6/28/2007	<50 h	NA	<0.50	<1.0	<1.0	<1.0	NA	4.6	NA	NA	NA	<10	87.46	12.72	74.74	NA
MW-3	9/20/2007	<50 h	NA	<0.50	<1.0	<1.0	<1.0	NA	8.9	<2.0	<2.0	<2.0	<10	87.46	12.92	74.54	NA
MW-3	12/7/2007	<50 h	NA	<0.50	0.28 g	<1.0	<1.0	NA	13	NA	NA	NA	<10	87.46	12.88	74.58	NA
MW-3	3/31/2008	120	NA	<0.50	<1.0	<1.0	<1.0	NA	120	NA	NA	NA	<10	87.46	12.78	74.68	NA
MW-3	6/16/2008	<50	NA	<0.50	<1.0	<1.0	<1.0	NA	3.4	NA	NA	NA	<10	87.46	13.14	74.32	NA
MW-3	9/25/2008	150	NA	<0.50	<1.0	<1.0	1.7	NA	130	<2.0	<2.0	<2.0	<10	87.46	13.54	73.92	NA
MW-3	12/29/2008	<50	NA	<0.50	<1.0	<1.0	<1.0	NA	14	NA	NA	NA	<10	87.46	13.70	73.76	NA
MW-3	2/26/2009	<50	NA	<0.50	<1.0	<1.0	<1.0	NA	5.1	NA	NA	NA	<10	87.46	13.29	74.17	NA
MW-3	**5/27/2009**	**74**	**NA**	**<0.50**	**<1.0**	**<1.0**	**<1.0**	**NA**	**51**	**NA**	**NA**	**NA**	**<10**	**87.46**	**13.55**	**73.91**	**NA**
MW-4	9/14/2000	<50	<50	<0.5	<0.5	<0.5	<1.0	<5	NA	NA	NA	NA	NA	87.97	13.93	74.04	NA
MW-4	12/11/2000	62	<50	0.7	<0.5	<0.5	<1.0	7	2	NA	NA	NA	NA	87.97	14.12	73.85	NA
MW-4	3/16/2001	320	<50	1.2	1.1	<0.5	<1.0	16	<2	NA	NA	NA	NA	87.97	13.33	74.64	NA
MW-4	6/11/2001	120	<50	1.1	<0.5	<0.5	<1.5	<5.0	NA	NA	NA	NA	NA	87.97	13.83	74.14	NA
MW-4	9/18/2001	<50	<50	<0.50	<0.50	<0.50	<0.50	NA	<5.0	NA	NA	NA	NA	87.97	14.04	73.93	NA
MW-4	11/26/2001	<50	<50	<0.50	<0.50	<0.50	<0.50	NA	1.1	NA	NA	NA	NA	87.97	14.35	73.62	NA
MW-4	3/21/2002	<50	<50	<0.50	<0.50	<0.50	<0.50	NA	<5.0	NA	NA	NA	NA	87.97	14.48	73.49	NA
MW-4	6/24/2002	<50	<50	<0.50	<0.50	<0.50	<0.50	NA	<5.0	NA	NA	NA	NA	87.97	14.67	73.30	NA
MW-4	9/20/2002	<50	<50	<0.50	<0.50	<0.50	<0.50	NA	<5.0	NA	NA	NA	NA	87.97	14.89	73.08	NA
MW-4	12/23/2002	<50	<50	<0.50	<0.50	<0.50	<0.50	NA	<5.0	NA	NA	NA	NA	87.97	14.35	73.62	NA
MW-4	3/24/2003	<50	<50	<0.50	<0.50	<0.50	<1.0	NA	<5.0	NA	NA	NA	NA	87.97	14.68	73.29	NA
MW-4	6/13/2003	<50	<50	<0.50	<0.50	<0.50	<1.0	NA	<0.50	NA	NA	NA	NA	87.97	14.05	73.92	NA

TABLE 1
WELL CONCENTRATIONS

Shell-branded Service Station
1705 Berryessa Road
San Jose, California

Well ID	Date	TPPH (µg/L)	TEPH (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE 8020 (µg/L)	MTBE 8260 (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	TBA (µg/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	DO Reading (ppm)
MW-4	9/10/2003	<50	<50	0.88	1.8	0.58	3.0	NA	<0.50	NA	NA	NA	NA	87.97	13.58	74.39	NA
MW-4	11/26/2003	<50	<50	<0.50	<0.50	<0.50	<1.0	NA	<0.50	NA	NA	NA	NA	87.97	12.90	75.07	NA
MW-4	3/16/2004	<50	<50	<0.50	<0.50	<0.50	<1.0	NA	<0.50	NA	NA	NA	NA	87.97	12.22	75.75	NA
MW-4	5/19/2004	<50	<50	<0.50	<0.50	<0.50	<1.0	NA	<0.50	NA	NA	NA	NA	87.97	12.44	75.53	NA
MW-4	9/9/2004	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	<0.50	NA	NA	NA	<5.0	87.97	12.74	75.23	NA
MW-4	12/9/2004	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	<0.50	NA	NA	NA	<5.0	87.97	12.98	74.99	NA
MW-4	3/9/2005	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	<0.50	NA	NA	NA	<5.0	87.97	11.73	76.24	NA
MW-4	6/15/2005	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	<0.50	NA	NA	NA	<5.0	87.97	12.00	75.97	NA
MW-4	9/20/2005	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	<0.50	<2.0	<2.0	<2.0	<5.0	87.97	12.44	75.53	NA
MW-4	12/30/2005	<50	NA	<0.50	<0.50	<0.50	<0.50	NA	<0.50	NA	NA	NA	<20	87.97	11.97	76.00	NA
MW-4	3/16/2006	<50.0	NA	<0.500	<0.500	<0.500	<0.500	NA	<0.500	NA	NA	NA	<10.0	87.97	11.43	76.54	NA
MW-4	6/19/2006	<50.0	NA	<0.500	<0.500	<0.500	<0.500	NA	<0.500	NA	NA	NA	<10.0	87.97	11.96	76.01	NA
MW-4	9/22/2006	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	<1.0	<1.0	<1.0	<1.0	<10	87.97	12.34	75.63	NA
MW-4	12/13/2006	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	<0.50	NA	NA	NA	<5.0	87.97	12.45	75.52	NA
MW-4	3/28/2007	<50	NA	<0.50	<1.0	<1.0	<1.0	NA	<1.0	NA	NA	NA	<10	87.97	12.28	75.69	NA
MW-4	6/28/2007	<50 h	NA	<0.50	<1.0	<1.0	<1.0	NA	<1.0	NA	NA	NA	<10	87.97	12.91	75.06	NA
MW-4	9/20/2007	<50 h	NA	<0.50	<1.0	<1.0	<1.0	NA	<1.0	<2.0	<2.0	<2.0	<10	87.97	13.19	74.78	NA
MW-4	12/7/2007	<50 h	NA	<0.50	0.29 g	<1.0	<1.0	NA	<1.0	NA	NA	NA	<10	87.97	13.14	74.83	NA
MW-4	3/31/2008	<50	NA	<0.50	<1.0	<1.0	<1.0	NA	<1.0	NA	NA	NA	<10	87.97	12.97	75.00	NA
MW-4	6/16/2008	<50	NA	<0.50	<1.0	<1.0	<1.0	NA	<1.0	NA	NA	NA	<10	87.97	13.40	74.57	NA
MW-4	9/25/2008	<50	NA	<0.50	<1.0	<1.0	<1.0	NA	<1.0	<2.0	<2.0	<2.0	<10	87.97	13.97	74.00	NA
MW-4	12/29/2008	<50	NA	<0.50	<1.0	<1.0	<1.0	NA	<1.0	NA	NA	NA	<10	87.97	14.05	73.92	NA
MW-4	2/26/2009	<50	NA	<0.50	<1.0	<1.0	<1.0	NA	<1.0	NA	NA	NA	<10	87.97	13.19	74.78	NA
MW-4	**5/27/2009**	**<50**	**NA**	**<0.50**	**<1.0**	**<1.0**	**<1.0**	**NA**	**<1.0**	**NA**	**NA**	**NA**	**<10**	**87.97**	**13.90**	**74.07**	**NA**
MW-5	9/14/2000	<50	<50	1.2	<0.5	<0.5	<1.0	310	390	NA	NA	NA	NA	87.14	13.17	73.97	NA
MW-5	12/11/2000	<50	<50	2.4	<0.5	<0.5	<1.0	340	520	NA	NA	NA	NA	87.14	13.41	73.73	NA
MW-5	3/16/2001	2,300	<50	5.6	1.0	<0.5	1.6	3,900	4,100	NA	NA	NA	NA	87.14	12.91	74.23	NA
MW-5	6/11/2001	2,800	<50	4.3	10	2.0	22	3,600	3,700	NA	NA	NA	NA	87.14	13.72	73.42	NA
MW-5	9/18/2001	<1,000	<50	<10	10	<10	22	NA	4,600	NA	NA	NA	NA	87.14	13.57	73.57	NA

TABLE 1
WELL CONCENTRATIONS
Shell-branded Service Station
1705 Berryessa Road
San Jose, California

Well ID	Date	TPPH (µg/L)	TEPH (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE 8020 (µg/L)	MTBE 8260 (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	TBA (µg/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	DO Reading (ppm)
MW-5	11/26/2001	<500	<50	<5.0	<5.0	<5.0	<5.0	NA	2,900	NA	NA	NA	NA	87.14	13.80	73.34	NA
MW-5	3/21/2002	<250	<50	<2.5	<2.5	<2.5	<2.5	NA	1,700	NA	NA	NA	NA	87.14	13.95	73.19	NA
MW-5	6/24/2002	<200	<50	<2.0	<2.0	<2.0	<2.0	NA	540	NA	NA	NA	NA	87.14	14.11	73.03	NA
MW-5	9/20/2002	<5,000	<50	<50	<50	<50	<50	NA	14,000	NA	NA	NA	NA	87.14	15.31	71.83	NA
MW-5	12/23/2002	<1,000	<50	<10	<10	<10	<10	NA	5,500	NA	NA	NA	NA	87.14	13.52	73.62	NA
MW-5	3/24/2003	28,000	<50	<250	<250	<250	<500	NA	42,000	NA	NA	NA	NA	87.14	14.60	72.54	NA
MW-5	6/13/2003	<5,000	<50	<50	<50	<50	<100	NA	5,700	NA	NA	NA	NA	87.14	13.52	73.62	NA
MW-5	9/10/2003	<5,000	<50	<50	<50	<50	<100	NA	11,000	NA	NA	NA	NA	87.14	14.03	73.11	NA
MW-5	11/26/2003	<20,000	<50	<200	<200	<200	<400	NA	17,000	NA	NA	NA	NA	87.14	12.65	74.49	NA
MW-5	3/16/2004	<5,000	<50	<50	<50	<50	<100	NA	4,100	NA	NA	NA	NA	87.14	12.40	74.74	NA
MW-5	5/19/2004	<1,000	<50	<10	<10	<10	<20	NA	1,900	NA	NA	NA	NA	87.14	12.50	74.64	NA
MW-5	9/9/2004	<1,000	NA	<10	<10	<10	<20	NA	1,800	NA	NA	NA	910	87.14	12.82	74.32	NA
MW-5	12/9/2004	<500	NA	<5.0	<5.0	<5.0	<10	NA	770	NA	NA	NA	1,000	87.14	12.91	74.23	NA
MW-5	3/9/2005	<1,000	NA	<10	<10	<10	<20	NA	1,000	NA	NA	NA	5,700	87.14	11.72	75.42	NA
MW-5	6/15/2005	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	26	NA	NA	NA	44	87.14	12.08	75.06	NA
MW-5	9/20/2005	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	82	<2.0	<2.0	<2.0	12	87.14	12.23	74.91	NA
MW-5	12/30/2005	<50	NA	<0.50	<0.50	<0.50	<0.50	NA	170	NA	NA	NA	310	87.14	11.71	75.43	NA
MW-5	3/16/2006	<50.0	NA	<0.500	<0.500	<0.500	<0.500	NA	19.9	NA	NA	NA	<10.0	87.14	11.19	75.95	NA
MW-5	6/19/2006	<50.0	NA	<0.500	<0.500	<0.500	<0.500	NA	11.4	NA	NA	NA	<10.0	87.14	11.62	75.52	NA
MW-5	9/22/2006	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	12	<1.0	<1.0	<1.0	<10	87.14	12.03	75.11	NA
MW-5	12/13/2006	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	5.0	NA	NA	NA	<5.0	87.14	12.10	75.04	NA
MW-5	3/28/2007	<50	NA	<0.50	<1.0	<1.0	<1.0	NA	0.93 g	NA	NA	NA	<10	87.14	11.94	75.20	NA
MW-5	6/28/2007	<50 h	NA	<0.50	<1.0	<1.0	<1.0	NA	1.1	NA	NA	NA	<10	87.14	12.56	74.58	NA
MW-5	9/20/2007	<50 h	NA	<0.50	<1.0	<1.0	<1.0	NA	0.54 g	<2.0	<2.0	<2.0	<10	87.14	12.65	74.49	NA
MW-5	12/7/2007	<50 h	NA	<0.50	<1.0	<1.0	<1.0	NA	0.40 g	NA	NA	NA	<10	87.14	12.68	74.46	NA
MW-5	3/31/2008	<50	NA	<0.50	<1.0	<1.0	<1.0	NA	<1.0	NA	NA	NA	<10	87.14	12.55	74.59	NA
MW-5	6/16/2008	<50	NA	<0.50	<1.0	<1.0	<1.0	NA	<1.0	NA	NA	NA	<10	87.14	12.90	74.24	NA
MW-5	9/25/2008	<50	NA	<0.50	<1.0	<1.0	<1.0	NA	<1.0	<2.0	<2.0	<2.0	<10	87.14	13.42	73.72	NA
MW-5	12/29/2008	<50	NA	<0.50	<1.0	<1.0	<1.0	NA	<1.0	NA	NA	NA	<10	87.14	13.50	73.64	NA
MW-5	2/26/2009	<50	NA	<0.50	<1.0	<1.0	<1.0	NA	<1.0	NA	NA	NA	<10	87.14	12.78	74.36	NA

TABLE 1
WELL CONCENTRATIONS

Shell-branded Service Station
1705 Berryessa Road
San Jose, California

Well ID	Date	TPPH (µg/L)	TEPH (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE 8020 (µg/L)	MTBE 8260 (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	TBA (µg/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	DO Reading (ppm)
MW-5	**5/27/2009**	**<50**	**NA**	**<0.50**	**<1.0**	**<1.0**	**<1.0**	**NA**	**<1.0**	**NA**	**NA**	**NA**	**<10**	**87.14**	**13.41**	**73.73**	**NA**
MW-6	9/14/2000	<50	<50	<0.5	<0.5	<0.5	<1.0	7,900	8,600	NA	NA	NA	NA	87.03	13.81	73.22	NA
MW-6	12/11/2000	240	<50	<0.5	1.6	<0.5	<1.0	2,800	2,400	NA	NA	NA	NA	87.03	13.90	73.13	NA
MW-6	3/16/2001	33,000	<50	16	2.0	<0.5	<1.0	42,000	48,000	NA	NA	NA	NA	87.03	13.36	73.67	NA
MW-6	6/11/2001	3,700	<50	3.2	3.3	<0.5	<1.5	4,300	4,700	NA	NA	NA	NA	87.03	14.08	72.95	NA
MW-6	9/18/2001	<250	<50	<2.5	<2.5	<2.5	<5.0	NA	1,800	NA	NA	NA	NA	87.03	13.64	73.39	NA
MW-6	11/26/2001	<200	150	<2.0	<2.0	<2.0	<2.0	NA	570	NA	NA	NA	NA	87.03	13.78	73.25	NA
MW-6	1/3/1900	<100	<50	<1.0	<1.0	<1.0	<1.0	NA	350	NA	NA	NA	NA	87.03	13.91	73.12	NA
MW-6	.	<50	<50	<0.50	<0.50	<0.50	<0.50	NA	260	NA	NA	NA	NA	87.03	14.05	72.98	NA
MW-6	9/20/2002	<50	<50	<0.50	<0.50	<0.50	<0.50	NA	1,700	NA	NA	NA	NA	87.03	15.04	71.99	NA
MW-6	12/23/2002	<500	<50	<5.0	<5.0	<5.0	<5.0	NA	2,200	NA	NA	NA	NA	87.03	13.96	73.07	NA
MW-6	3/24/2003	<5,000	<50	<50	<50	<50	<100	NA	6,200	NA	NA	NA	NA	87.03	15.60	71.43	NA
MW-6	6/13/2003	<1,000	<50	<10	<10	<10	<20	NA	1,700	NA	NA	NA	NA	87.03	13.98	73.05	NA
MW-6	9/10/2003	<5,000	<50	<50	<50	<50	<100	NA	7,100	NA	NA	NA	NA	87.03	14.78	72.25	NA
MW-6	11/26/2003	2,100	<50	<10	<10	<10	<20	NA	970	NA	NA	NA	NA	87.03	13.44	73.59	NA
MW-6	3/16/2004	<1,000	<50	<10	<10	<10	<20	NA	1,700	NA	NA	NA	NA	87.03	13.58	73.45	NA
MW-6	5/19/2004	<1,000	<50	<10	<10	<10	<20	NA	1,400	NA	NA	NA	NA	87.03	13.53	73.50	NA
MW-6	9/9/2004	<1,000	NA	<10	<10	<10	<20	NA	1,500	NA	NA	NA	230	87.03	14.00	73.03	NA
MW-6	12/9/2004	<1000	NA	<10	<10	<10	<20	NA	1,900	NA	NA	NA	110	87.03	13.95	73.08	NA
MW-6	3/9/2005	<250	NA	<2.5	<2.5	<2.5	<5.0	NA	350	NA	NA	NA	<25	87.03	12.92	74.11	NA
MW-6	6/15/2005	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	110	NA	NA	NA	38	87.03	12.51	74.52	NA
MW-6	9/20/2005	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	19	<2.0	<2.0	<2.0	7.4	87.03	12.87	74.16	NA
MW-6	12/30/2005	<50	NA	<0.50	<0.50	<0.50	<0.50	NA	22	NA	NA	NA	<20	87.03	12.36	74.67	NA
MW-6	3/16/2006	172	NA	<0.500	<0.500	<0.500	<0.500	NA	28.2	NA	NA	NA	<10.0	87.03	11.80	75.23	NA
MW-6	6/19/2006	<50.0	NA	<0.500	<0.500	<0.500	<0.500	NA	7.79	NA	NA	NA	<10.0	87.03	12.11	74.92	NA
MW-6	9/22/2006	160	NA	<0.50	<0.50	<0.50	<1.0	NA	15	<1.0	<1.0	<1.0	<10	87.03	12.57	74.46	NA
MW-6	12/13/2006	53	NA	<0.50	<0.50	<0.50	<1.0	NA	18	NA	NA	NA	<5.0	87.03	12.64	74.39	NA
MW-6	3/28/2007	<50	NA	<0.50	<1.0	<1.0	<1.0	NA	24	NA	NA	NA	<10	87.03	12.49	74.54	NA
MW-6	6/28/2007	<50 h	NA	<0.50	<1.0	<1.0	<1.0	NA	73	NA	NA	NA	<10	87.03	12.94	74.09	NA

TABLE 1
WELL CONCENTRATIONS
Shell-branded Service Station
1705 Berryessa Road
San Jose, California

Well ID	Date	TPPH (µg/L)	TEPH (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE 8020 (µg/L)	MTBE 8260 (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	TBA (µg/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	DO Reading (ppm)
MW-6	9/20/2007	<50 h	NA	<0.50	<1.0	<1.0	<1.0	NA	34	<2.0	<2.0	<2.0	<10	87.03	13.02	74.01	NA
MW-6	12/7/2007	<50 h	NA	<0.50	<1.0	<1.0	<1.0	NA	19	NA	NA	NA	<10	87.03	13.02	74.01	NA
MW-6	3/31/2008	<50	NA	<0.50	<1.0	<1.0	<1.0	NA	26	NA	NA	NA	<10	87.03	12.88	74.15	NA
MW-6	6/16/2008	<50	NA	<0.50	<1.0	<1.0	<1.0	NA	4.8	NA	NA	NA	<10	87.03	13.17	73.86	NA
MW-6	9/25/2008	78	NA	0.73	1.1	1.1	6.4	NA	43	<2.0	<2.0	<2.0	<10	87.03	13.58	73.45	NA
MW-6	12/29/2008	63	NA	<0.50	<1.0	<1.0	<1.0	NA	39	NA	NA	NA	<10	87.03	13.71	73.32	NA
MW-6	2/26/2009	<50	NA	<0.50	<1.0	<1.0	<1.0	NA	6.9	NA	NA	NA	<10	87.03	13.54	73.49	NA
MW-6	**5/27/2009**	**<50**	**NA**	**<0.50**	**<1.0**	**<1.0**	**<1.0**	**NA**	**19**	**NA**	**NA**	**NA**	**<10**	**87.03**	**13.59**	**73.44**	**NA**
MW-6D	9/14/2000	<50	68	<0.5	<0.5	<0.5	<1.0	6	6	NA	NA	NA	NA	87.28	10.11	77.17	NA
MW-6D	12/11/2000	<50	55	<0.5	0.8	<0.5	<1.0	9	7	NA	NA	NA	NA	87.28	10.42	76.86	NA
MW-6D	3/16/2001	<50	67	<0.5	0.5	<0.5	<1.0	7	6	NA	NA	NA	NA	87.28	9.78	77.50	NA
MW-6D	6/11/2001	<50	55	<0.5	1.3	<0.5	<1.5	7	5	NA	NA	NA	NA	87.28	10.31	76.97	NA
MW-6D	9/18/2001	<50	780	<0.50	3.0	<0.50	1.7	NA	<5.0	NA	NA	NA	NA	87.28	10.94	76.34	NA
MW-6D	11/26/2001	<50	50	<0.50	5.2	<0.50	<0.50	NA	3.4	NA	NA	NA	NA	87.28	11.33	75.95	NA
MW-6D	3/21/2002	<50	62	<0.50	2.1	<0.50	<0.50	NA	<5.0	NA	NA	NA	NA	87.28	13.54	73.74	NA
MW-6D	6/24/2002	<50	<50	<0.50	<0.50	<0.50	<0.50	NA	<5.0	NA	NA	NA	NA	87.28	11.50	75.78	NA
MW-6D	9/20/2002	<50	<50	<0.50	1.2	<0.50	<0.50	NA	<5.0	NA	NA	NA	NA	87.28	11.83	75.45	NA
MW-6D	12/23/2002	<50	65	<0.50	1.4	<0.50	<0.50	NA	<5.0	NA	NA	NA	NA	87.28	11.22	76.06	NA
MW-6D	3/24/2003	<50	<50	<0.50	1.7	<0.50	<1.0	NA	6.2	NA	NA	NA	NA	87.28	11.38	75.90	NA
MW-6D	6/13/2003	<50	<50	<0.50	<0.50	<0.50	<1.0	NA	3.2	NA	NA	NA	NA	87.28	10.61	76.67	NA
MW-6D	9/10/2003	<50	<50	<0.50	<0.50	<0.50	<1.0	NA	1.3	NA	NA	NA	NA	87.28	10.03	77.25	NA
MW-6D	11/26/2003	<50	63 a	<0.50	<0.50	<0.50	<1.0	NA	1.3	NA	NA	NA	NA	87.28	8.92	78.36	NA
MW-6D	3/16/2004	<50	<50	<0.50	0.58	<0.50	<1.0	NA	1.3	NA	NA	NA	NA	87.28	8.18	79.10	NA
MW-6D	5/19/2004	<50	59 a	<0.50	<0.50	<0.50	<1.0	NA	2.0	NA	NA	NA	NA	87.28	8.32	78.96	NA
MW-6D	9/9/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	87.28	8.71	78.57	NA
MW-6D	12/9/2004	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	1.6	NA	NA	NA	<5.0	87.28	8.87	78.41	NA
MW-6D	3/9/2005	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	87.28	7.75	79.53	NA
MW-6D	6/15/2005	<50	NA	<0.50	0.93	<0.50	<1.0	NA	0.87	NA	NA	NA	<5.0	87.28	7.79	79.49	NA
MW-6D	9/20/2005	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	87.28	8.24	79.04	NA

TABLE 1
WELL CONCENTRATIONS
Shell-branded Service Station
1705 Berryessa Road
San Jose, California

Well ID	Date	TPPH (µg/L)	TEPH (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE 8020 (µg/L)	MTBE 8260 (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	TBA (µg/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	DO Reading (ppm)
MW-6D	12/30/2005	<50	NA	<0.50	0.96	<0.50	<0.50	NA	1.2	NA	NA	NA	<20	87.28	7.88	79.40	NA
MW-6D	3/16/2006	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	87.28	7.32	79.96	NA
MW-6D	6/19/2006	<50.0	NA	<0.500	3.07	<0.500	<0.500	NA	<0.500	NA	NA	NA	<10	87.28	7.43	79.85	NA
MW-6D	9/22/2006	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	87.28	8.03	79.25	NA
MW-6D	12/13/2006	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	0.61	NA	NA	NA	<5.0	87.28	8.21	79.07	NA
MW-6D	3/28/2007	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	87.28	8.04	79.24	NA
MW-6D	6/28/2007	<50 h	NA	<0.50	<1.0	<1.0	<1.0	NA	0.71 g	NA	NA	NA	<10	87.28	8.51	78.77	NA
MW-6D	9/20/2007	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	87.28	8.65	78.63	NA
MW-6D	12/7/2007	<50 h	NA	0.23 g	<1.0	<1.0	<1.0	NA	0.89 g	NA	NA	NA	<10	87.28	9.08	78.20	NA
MW-6D	3/31/2008	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	87.28	8.90	78.38	NA
MW-6D	6/16/2008	<50	NA	<0.50	<1.0	<1.0	<1.0	NA	<1.0	NA	NA	NA	<10	87.28	9.34	77.94	NA
MW-6D	9/25/2008	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	87.28	9.92	77.36	NA
MW-6D	12/29/2008	<50	NA	<0.50	<1.0	<1.0	<1.0	NA	<1.0	NA	NA	NA	<10	87.28	10.52	76.76	NA
MW-6D	2/26/2009	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	87.28	9.64	77.64	NA
MW-6D	**5/27/2009**	**<50**	**NA**	**<0.50**	**<1.0**	**<1.0**	**<1.0**	**NA**	**<1.0**	**NA**	**NA**	**NA**	**<10**	**87.28**	**9.92**	**77.36**	**NA**
MW-7A	1/31/2002	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	12.04	NA	NA
MW-7A	2/4/2002	<50	<50	<0.50	<0.50	<0.50	<0.50	NA	<5.0	NA	NA	NA	NA	NA	12.21	NA	NA
MW-7A	3/21/2002	<50	<50	<0.50	<0.50	<0.50	<0.50	NA	7.8	NA	NA	NA	NA	NA	12.22	NA	NA
MW-7A	6/24/2002	<50	<100	<0.50	<0.50	<0.50	<0.50	NA	680	NA	NA	NA	NA	85.25	12.47	72.78	NA
MW-7A	9/20/2002	<50	<50	<0.50	<0.50	<0.50	<0.50	NA	6.2	NA	NA	NA	NA	85.25	13.60	71.65	NA
MW-7A	12/23/2002	<50	<50	<0.50	<0.50	<0.50	<0.50	NA	<5.0	NA	NA	NA	NA	85.25	12.65	72.60	NA
MW-7A	3/24/2003	<50	<50	<0.50	<0.50	<0.50	<1.0	NA	<5.0	NA	NA	NA	NA	85.25	13.12	72.13	NA
MW-7A	6/13/2003	<50	<50	<0.50	<0.50	<0.50	<1.0	NA	<0.50	NA	NA	NA	NA	85.25	12.87	72.38	NA
MW-7A	9/10/2003	<50	<50	4.2	4.7	1.0	3.3	NA	0.73	NA	NA	NA	NA	85.25	12.62	72.63	NA
MW-7A	11/26/2003	<50	<50	<0.50	<0.50	<0.50	<1.0	NA	0.89	NA	NA	NA	NA	85.25	12.08	73.17	NA
MW-7A	3/16/2004	<50	<50	<0.50	<0.50	<0.50	<1.0	NA	0.66	NA	NA	NA	NA	85.25	11.42	73.83	NA
MW-7A	5/19/2004	<50	<50	<0.50	<0.50	<0.50	<1.0	NA	<0.50	NA	NA	NA	NA	85.25	11.93	73.32	NA
MW-7A	9/9/2004	340	NA	32	79	7.9	55	NA	0.56	NA	NA	NA	<5.0	85.25	11.75	73.50	NA
MW-7A	12/9/2004	310	NA	15	0.52	0.73	5.8	NA	0.80	NA	NA	NA	<5.0	85.25	12.01	73.24	NA

TABLE 1
WELL CONCENTRATIONS
Shell-branded Service Station
1705 Berryessa Road
San Jose, California

Well ID	Date	TPPH (µg/L)	TEPH (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE 8020 (µg/L)	MTBE 8260 (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	TBA (µg/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	DO Reading (ppm)
MW-7A	3/9/2005	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	<0.50	NA	NA	NA	<5.0	85.25	10.95	74.30	NA
MW-7A	6/15/2005	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	<0.50	NA	NA	NA	<5.0	85.25	11.18	74.07	NA
MW-7A	9/20/2005	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	<0.50	<2.0	<2.0	<2.0	<5.0	85.25	11.44	73.81	NA
MW-7A	12/30/2005	<50	NA	<0.50	<0.50	<0.50	<0.50	NA	<0.50	NA	NA	NA	<20	85.25	10.96	74.29	NA
MW-7A	3/16/2006	<50.0	NA	<0.500	<0.500	<0.500	<0.500	NA	<0.500	NA	NA	NA	<10.0	85.25	10.37	74.88	NA
MW-7A	6/19/2006	<50.0	NA	<0.500	<0.500	<0.500	<0.500	NA	<0.500	NA	NA	NA	<10.0	85.25	10.63	74.62	NA
MW-7A	9/22/2006	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	<1.0	<1.0	<1.0	<1.0	<10	85.25	11.09	74.16	NA
MW-7A	12/13/2006	60	NA	<0.50	<0.50	<0.50	<1.0	NA	<0.50	NA	NA	NA	<5.0	85.25	11.15	74.10	NA
MW-7A	3/28/2007	<50	NA	<0.50	<1.0	<1.0	<1.0	NA	<1.0	NA	NA	NA	<10	85.25	10.97	74.28	NA
MW-7A	6/28/2007	Well inaccessible		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	85.25	NA	NA	NA
MW-7A	9/20/2007	<50 h	NA	<0.50	<1.0	<1.0	<1.0	NA	<1.0	<2.0	<2.0	<2.0	<10	85.25	11.59	73.66	NA
MW-7A	12/7/2007	<50 h	NA	<0.50	<1.0	<1.0	<1.0	NA	<1.0	NA	NA	NA	<10	85.25	11.43	73.82	NA
MW-7A	3/31/2008	<50	NA	<0.50	<1.0	<1.0	<1.0	NA	<1.0	NA	NA	NA	<10	85.25	11.32	73.93	NA
MW-7A	6/16/2008	<50	NA	<0.50	<1.0	<1.0	<1.0	NA	<1.0	NA	NA	NA	<10	85.25	11.58	73.67	NA
MW-7A	9/25/2008	<50	NA	<0.50	<1.0	<1.0	<1.0	NA	<1.0	<2.0	<2.0	<2.0	<10	85.25	11.98	73.27	NA
MW-7A	12/29/2008	<50	NA	<0.50	<1.0	<1.0	<1.0	NA	<1.0	NA	NA	NA	<10	85.25	11.99	73.26	NA
MW-7A	2/26/2009	<50	NA	<0.50	<1.0	<1.0	<1.0	NA	<1.0	NA	NA	NA	<10	85.25	11.25	74.00	NA
MW-7A	**5/27/2009**	**<50**	**NA**	**<0.50**	**<1.0**	**<1.0**	**<1.0**	**NA**	**<1.0**	**NA**	**NA**	**NA**	**<10**	**85.25**	**12.03**	**73.22**	**NA**
MW-7B	1/31/2002	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	9.26	NA	NA
MW-7B	2/4/2002	<50	<50	<0.50	0.62	<0.50	<0.50	NA	<5.0	NA	NA	NA	NA	NA	9.31	NA	NA
MW-7B	3/21/2002	<50	98	<0.50	<0.50	<0.50	<0.50	NA	<5.0	NA	NA	NA	NA	NA	9.35	NA	NA
MW-7B	6/24/2002	<50	73	<0.50	<0.50	<0.50	<0.50	NA	<5.0	NA	NA	NA	NA	85.19	9.40	75.79	NA
MW-7B	9/20/2002	<50	<50	<0.50	<0.50	<0.50	<0.50	NA	<5.0	NA	NA	NA	NA	85.19	9.78	75.41	NA
MW-7B	12/23/2002	<50	<50	<0.50	<0.50	<0.50	<0.50	NA	<5.0	NA	NA	NA	NA	85.19	8.91	76.28	NA
MW-7B	3/24/2003	<50	<50	<0.50	<0.50	<0.50	<1.0	NA	<5.0	NA	NA	NA	NA	85.19	9.28	75.91	NA
MW-7B	6/13/2003	<50	<50	<0.50	<0.50	<0.50	<1.0	NA	<0.50	NA	NA	NA	NA	85.19	8.51	76.68	NA
MW-7B	9/10/2003	<50	<50	1.6	1.2	<0.50	<1.0	NA	<0.50	NA	NA	NA	NA	85.19	7.91	77.28	NA
MW-7B	11/26/2003	<50	95 a	<0.50	<0.50	<0.50	<1.0	NA	<0.50	NA	NA	NA	NA	85.19	7.03	78.16	NA
MW-7B	3/16/2004	<50	<50	<0.50	<0.50	<0.50	1.4	NA	<0.50	NA	NA	NA	NA	85.19	6.19	79.00	NA

TABLE 1
WELL CONCENTRATIONS
Shell-branded Service Station
1705 Berryessa Road
San Jose, California

Well ID	Date	TPPH (µg/L)	TEPH (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE 8020 (µg/L)	MTBE 8260 (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	TBA (µg/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	DO Reading (ppm)
MW-7B	5/19/2004	<50	78 d	<0.50	<0.50	<0.50	<1.0	NA	<0.50	NA	NA	NA	NA	85.19	6.38	78.81	NA
MW-7B	9/9/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	85.19	6.87	78.32	NA
MW-7B	12/9/2004	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	<0.50	NA	NA	NA	<5.0	85.19	7.13	78.06	NA
MW-7B	3/9/2005	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	85.19	6.20	78.99	NA
MW-7B	6/15/2005	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	<0.50	NA	NA	NA	<5.0	85.19	5.95	79.24	NA
MW-7B	9/20/2005	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	85.19	6.40	78.79	NA
MW-7B	12/30/2005	<50	NA	<0.50	<0.50	<0.50	<0.50	NA	<0.50	NA	NA	NA	<20	85.19	5.97	79.22	NA
MW-7B	3/16/2006	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	85.19	7.36	77.83	NA
MW-7B	6/19/2006	<50.0	NA	<0.500	<0.500	<0.500	<0.500	NA	<0.500	NA	NA	NA	<10.0	85.19	5.55	79.64	NA
MW-7B	9/22/2006	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	85.19	6.15	79.04	NA
MW-7B	12/13/2006	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	<0.50	NA	NA	NA	<5.0	85.19	6.33	78.86	NA
MW-7B	3/28/2007	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	85.19	6.15	79.04	NA
MW-7B	6/28/2007	Well inaccessible		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	85.19	NA	NA	NA
MW-7B	9/20/2007	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	85.19	6.82	78.37	NA
MW-7B	12/7/2007	<50 h	NA	<0.50	0.38 g	<1.0	<1.0	NA	<1.0	NA	NA	NA	<10	85.19	7.20	77.99	NA
MW-7B	3/31/2008	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	85.19	7.04	78.15	NA
MW-7B	6/16/2008	<50	NA	<0.50	<1.0	<1.0	<1.0	NA	<1.0	NA	NA	NA	<10	85.19	7.45	77.74	NA
MW-7B	9/25/2008	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	85.19	8.00	77.19	NA
MW-7B	12/29/2008	<50	NA	<0.50	<1.0	<1.0	<1.0	NA	<1.0	NA	NA	NA	<10	85.19	8.53	76.66	NA
MW-7B	2/26/2009	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	85.19	7.61	77.58	NA
MW-7B	**5/27/2009**	**<50**	**NA**	**<0.50**	**<1.0**	**<1.0**	**<1.0**	**NA**	**<1.0**	**NA**	**NA**	**NA**	**<10**	**85.19**	**8.02**	**77.17**	**NA**
E-1	9/16/2002	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	18.68	NA	NA
E-1	12/23/2002	<50	130	<0.50	<0.50	<0.50	6.6	NA	190	NA	NA	NA	NA	NA	11.10	NA	NA
E-1	3/24/2003	<50	<50	<0.50	<0.50	<0.50	<1.0	NA	36	NA	NA	NA	NA	86.21	22.15	64.06	NA
E-1	6/13/2003	190 a	110 a	<0.50	<0.50	<0.50	1.7	NA	46	NA	NA	NA	NA	86.21	10.94	75.27	NA
E-1	9/10/2003	<50	<50	<0.50	<0.50	<0.50	<1.0	NA	4.4	NA	NA	NA	NA	86.21	22.20	64.01	NA
E-1	11/26/2003	<50	93 a	<0.50	0.55	<0.50	<1.0	NA	4.1	NA	NA	NA	NA	86.21	9.85	76.36	NA
E-1	3/16/2004	<50	<50	<0.50	0.55	<0.50	<1.0	NA	4.2	NA	NA	NA	NA	86.21	21.00	65.21	NA
E-1	5/19/2004	<50	<50	<0.50	<0.50	<0.50	<1.0	NA	13	NA	NA	NA	NA	86.21	27.04	59.17	NA

TABLE 1
WELL CONCENTRATIONS

Shell-branded Service Station
1705 Berryessa Road
San Jose, California

Well ID	Date	TPPH (µg/L)	TEPH (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE 8020 (µg/L)	MTBE 8260 (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	TBA (µg/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	DO Reading (ppm)
E-1	9/9/2004	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	1.6	NA	NA	NA	<5.0	86.21	21.54	64.67	NA
E-1	12/9/2004	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	0.97	NA	NA	NA	<5.0	86.21	22.38	63.83	NA
E-1	3/9/2005	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	27	NA	NA	NA	<5.0	86.21	21.55	64.66	NA
E-1	6/15/2005	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	1.4	NA	NA	NA	<5.0	86.21	9.65	76.56	NA
E-1	9/20/2005	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	3.4	<2.0	<2.0	<2.0	<5.0	86.21	10.18	76.03	NA
E-1	12/30/2005	<50	NA	<0.50	<0.50	<0.50	0.68	NA	2.8	NA	NA	NA	<20	86.21	9.85	76.36	NA
E-1	3/16/2006	<50.0	NA	<0.500	<0.500	<0.500	<0.500	NA	1.26	NA	NA	NA	<10.0	86.21	9.63	76.58	NA
E-1	6/19/2006	<50.0	NA	<0.500	<0.500	<0.500	<0.500	NA	<0.500	NA	NA	NA	<10.0	86.21	9.91	76.30	NA
E-1	9/22/2006	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	<1.0	<1.0	<1.0	<1.0	<10	86.21	10.12	76.09	NA
E-1	12/13/2006	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	<0.50	NA	NA	NA	<5.0	86.21	10.25	75.96	NA
E-1	3/28/2007	<50	NA	<0.50	<1.0	<1.0	<1.0	NA	0.54 g	NA	NA	NA	<10	86.21	10.27	75.94	NA
E-1	6/28/2007	<50 h	NA	<0.50	<1.0	<1.0	<1.0	NA	<1.0	NA	NA	NA	<10	86.21	10.42	75.79	NA
E-1	9/20/2007	<50 h	NA	<0.50	<1.0	<1.0	<1.0	NA	<1.0	<2.0	<2.0	<2.0	<10	86.21	10.53	75.68	NA
E-1	12/7/2007	<50 h	NA	<0.50	<1.0	<1.0	<1.0	NA	<1.0	NA	NA	NA	<10	86.21	10.62	75.59	NA
E-1	3/31/2008	<50	NA	<0.50	<1.0	<1.0	<1.0	NA	<1.0	NA	NA	NA	<10	86.21	10.62	75.59	NA
E-1	6/16/2008	<50	NA	<0.50	<1.0	<1.0	<1.0	NA	<1.0	NA	NA	NA	<10	86.21	10.87	75.34	NA
E-1	9/25/2008	<50	NA	<0.50	<1.0	<1.0	<1.0	NA	<1.0	<2.0	<2.0	<2.0	<10	86.21	10.98	75.23	NA
E-1	12/29/2008	<50	NA	<0.50	<1.0	<1.0	<1.0	NA	<1.0	NA	NA	NA	<10	86.21	11.17	75.04	NA
E-1	2/26/2009	<50	NA	<0.50	<1.0	<1.0	<1.0	NA	<1.0	NA	NA	NA	<10	86.21	10.85	75.36	NA
E-1	**5/27/2009**	**<50**	**NA**	**<0.50**	**<1.0**	**<1.0**	**<1.0**	**NA**	**<1.0**	**NA**	**NA**	**NA**	**<10**	**86.21**	**11.15**	**75.06**	**NA**
E-2	9/16/2002	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	21.13	NA	NA
E-2	12/23/2002	510	990	<0.50	<0.50	0.85	10	NA	63	NA	NA	NA	NA	NA	10.49	NA	NA
E-2	3/24/2003	<50	<50	<0.50	<0.50	<0.50	<1.0	NA	<5.0	NA	NA	NA	NA	85.56	22.05	63.51	NA
E-2	6/13/2003	<50	<50	<0.50	<0.50	<0.50	<1.0	NA	61	NA	NA	NA	NA	85.56	12.70	72.86	NA
E-2	9/10/2003	<50	<50	<0.50	<0.50	<0.50	<1.0	NA	64	NA	NA	NA	NA	85.56	21.80	63.76	NA
E-2	11/26/2003	<50	190 a	<0.50	<0.50	<0.50	<1.0	NA	120	NA	NA	NA	NA	85.56	11.88	73.68	NA
E-2	3/16/2004	<50	<50	<0.50	<0.50	<0.50	<1.0	NA	50	NA	NA	NA	NA	85.56	21.31	64.25	NA
E-2	5/19/2004	<50	<50	<0.50	<0.50	<0.50	<1.0	NA	4.6	NA	NA	NA	NA	85.56	21.81	63.75	NA
E-2	9/9/2004	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	20	NA	NA	NA	<5.0	85.56	21.58	63.98	NA

TABLE 1
WELL CONCENTRATIONS
Shell-branded Service Station
1705 Berryessa Road
San Jose, California

Well ID	Date	TPPH (µg/L)	TEPH (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE 8020 (µg/L)	MTBE 8260 (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	TBA (µg/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	DO Reading (ppm)
E-2	12/9/2004	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	<0.50	NA	NA	NA	<5.0	85.56	22.11	63.45	NA
E-2	3/9/2005	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	16	NA	NA	NA	44	85.56	21.50	64.06	NA
E-2	6/15/2005	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	<0.50	NA	NA	NA	7.3	85.56	10.60	74.96	NA
E-2	9/20/2005	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	13	<2.0	<2.0	<2.0	<5.0	85.56	11.25	74.31	NA
E-2	12/30/2005	<50	NA	<0.50	<0.50	<0.50	<0.50	NA	12	NA	NA	NA	<20	85.56	10.78	74.78	NA
E-2	3/16/2006	<50.0	NA	<0.500	<0.500	<0.500	<0.500	NA	27.1	NA	NA	NA	<10.0	85.56	10.19	75.37	NA
E-2	6/19/2006	<50.0	NA	<0.500	<0.500	<0.500	<0.500	NA	5.52	NA	NA	NA	<10.0	85.56	10.42	75.14	NA
E-2	9/22/2006	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	12	<1.0	<1.0	<1.0	<10	85.56	10.94	74.62	NA
E-2	12/13/2006	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	6.8	NA	NA	NA	<5.0	85.56	10.98	74.58	NA
E-2	3/28/2007	<50	NA	<0.50	<1.0	<1.0	<1.0	NA	<1.0	NA	NA	NA	<10	85.56	10.84	74.72	NA
E-2	6/28/2007	<50 h	NA	<0.50	<1.0	<1.0	<1.0	NA	9.8	NA	NA	NA	<10	85.56	11.39	74.17	NA
E-2	9/20/2007	<50 h	NA	<0.50	<1.0	<1.0	<1.0	NA	59	<2.0	<2.0	<2.0	<10	85.56	11.43	74.13	NA
E-2	12/7/2007	<50 h	NA	<0.50	<1.0	<1.0	<1.0	NA	8.7	NA	NA	NA	<10	85.56	11.39	74.17	NA
E-2	3/31/2008	<50	NA	<0.50	<1.0	<1.0	<1.0	NA	2.4	NA	NA	NA	<10	85.56	11.27	74.29	NA
E-2	6/16/2008	<50	NA	<0.50	<1.0	<1.0	<1.0	NA	14	NA	NA	NA	<10	85.56	11.55	74.01	NA
E-2	9/25/2008	<50	NA	<0.50	<1.0	<1.0	<1.0	NA	13	<2.0	<2.0	<2.0	<10	85.56	11.98	73.58	NA
E-2	12/29/2008	<50	NA	<0.50	<1.0	<1.0	<1.0	NA	19	NA	NA	NA	<10	85.56	12.02	73.54	NA
E-2	2/26/2009	<50	NA	<0.50	<1.0	<1.0	<1.0	NA	7.6	NA	NA	NA	<10	85.56	11.30	74.26	NA
E-2	**5/27/2009**	**<50**	**NA**	**<0.50**	**<1.0**	**<1.0**	**<1.0**	**NA**	**26**	**NA**	**NA**	**NA**	**<10**	**85.56**	**11.62**	**73.94**	**NA**
E-3	9/16/2002	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	15.20	NA	NA
E-3	12/23/2002	<50	73	<0.50	<0.50	<0.50	2.3	NA	<5.0	NA	NA	NA	NA	NA	12.65	NA	NA
E-3	3/24/2003	<50	<50	<0.50	<0.50	<0.50	<1.0	NA	<5.0	NA	NA	NA	NA	85.40	20.65	64.75	NA
E-3	6/13/2003	<50	<50	<0.50	<0.50	<0.50	<1.0	NA	0.52	NA	NA	NA	NA	85.40	12.84	72.56	NA
E-3	9/10/2003	<50	<50	<0.50	<0.50	<0.50	<1.0	NA	68	NA	NA	NA	NA	85.40	18.35	67.05	NA
E-3	11/26/2003	<50	110 a	<0.50	0.51	<0.50	<1.0	NA	<0.50	NA	NA	NA	NA	85.40	11.85	73.55	NA
E-3	3/16/2004	<50	<50	<0.50	<0.50	<0.50	<1.0	NA	95	NA	NA	NA	NA	85.40	12.05	73.35	NA
E-3	5/19/2004	<50	<50	<0.50	<0.50	<0.50	<1.0	NA	<0.50	NA	NA	NA	NA	85.40	11.58	73.82	NA
E-3	9/9/2004	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	<0.50	NA	NA	NA	<5.0	85.40	11.21	74.19	NA
E-3	12/9/2004	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	<0.50	NA	NA	NA	<5.0	85.40	11.84	73.56	NA

TABLE 1
WELL CONCENTRATIONS
Shell-branded Service Station
1705 Berryessa Road
San Jose, California

Well ID	Date	TPPH (µg/L)	TEPH (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE 8020 (µg/L)	MTBE 8260 (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	TBA (µg/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	DO Reading (ppm)
E-3	3/9/2005	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	<0.50	NA	NA	NA	<5.0	85.40	10.90	74.50	NA
E-3	6/15/2005	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	<0.50	NA	NA	NA	<5.0	85.40	11.00	74.40	NA
E-3	9/20/2005	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	0.64	<2.0	<2.0	<2.0	<5.0	85.40	11.25	74.15	NA
E-3	12/30/2005	<50	NA	<0.50	<0.50	<0.50	<0.50	NA	<0.50	NA	NA	NA	<20	85.40	10.78	74.62	NA
E-3	3/16/2006	<50.0	NA	<0.500	<0.500	<0.500	<0.500	NA	<0.500	NA	NA	NA	<10.0	85.40	10.46	74.94	NA
E-3	6/19/2006	<50.0	NA	<0.500	<0.500	<0.500	<0.500	NA	6.60	NA	NA	NA	<10.0	85.40	10.44	74.96	NA
E-3	9/22/2006	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	<1.0	<1.0	<1.0	<1.0	<10	85.40	10.91	74.49	NA
E-3	12/13/2006	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	<0.50	NA	NA	NA	<5.0	85.40	10.96	74.44	NA
E-3	3/28/2007	<50	NA	<0.50	<1.0	<1.0	<1.0	NA	<1.0	NA	NA	NA	<10	85.40	10.88	74.52	NA
E-3	6/28/2007	<50 h	NA	<0.50	<1.0	<1.0	<1.0	NA	<1.0	NA	NA	NA	<10	85.40	11.39	74.01	NA
E-3	9/20/2007	<50 h	NA	<0.50	<1.0	0.29 g	1.74 g	NA	<1.0	<2.0	<2.0	<2.0	<10	85.40	11.22	74.18	NA
E-3	12/7/2007	<50 h	NA	<0.50	<1.0	<1.0	<1.0	NA	<1.0	NA	NA	NA	<10	85.40	11.36	74.04	NA
E-3	3/31/2008	<50	NA	<0.50	<1.0	<1.0	<1.0	NA	<1.0	NA	NA	NA	<10	85.40	11.22	74.18	NA
E-3	6/16/2008	<50	NA	<0.50	<1.0	<1.0	<1.0	NA	<1.0	NA	NA	NA	<10	85.40	11.45	73.95	NA
E-3	9/25/2008	<50	NA	<0.50	<1.0	<1.0	<1.0	NA	<1.0	<2.0	<2.0	<2.0	<10	85.40	11.90	73.50	NA
E-3	12/29/2008	<50	NA	<0.50	<1.0	<1.0	<1.0	NA	<1.0	NA	NA	NA	<10	85.40	11.94	73.46	NA
E-3	2/26/2009	<50	NA	<0.50	<1.0	<1.0	<1.0	NA	<1.0	NA	NA	NA	<10	85.40	11.17	74.23	NA
E-3	**5/27/2009**	**<50**	**NA**	**<0.50**	**<1.0**	**<1.0**	**<1.0**	**NA**	**<1.0**	**NA**	**NA**	**NA**	**<10**	**85.40**	**11.36**	**74.04**	**NA**
E-4	9/16/2002	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	21.34	NA	NA
E-4	12/23/2002	<50	100	<0.50	<0.50	<0.50	3.4	NA	<5.0	NA	NA	NA	NA	NA	13.39	NA	NA
E-4	3/24/2003	<50	<50	<0.50	<0.50	<0.50	<1.0	NA	<5.0	NA	NA	NA	NA	86.13	22.15	63.98	NA
E-4	6/13/2003	<50	<50	<0.50	<0.50	<0.50	<1.0	NA	<0.50	NA	NA	NA	NA	86.13	13.57	72.56	NA
E-4	9/10/2003	<50	<50	<0.50	<0.50	<0.50	<1.0	NA	<0.50	NA	NA	NA	NA	86.13	22.20	63.93	NA
E-4	11/26/2003	<50	84 a	<0.50	<0.50	<0.50	<1.0	NA	<0.50	NA	NA	NA	NA	86.13	12.46	73.67	NA
E-4	3/16/2004	<50	<50	<0.50	<0.50	<0.50	<1.0	NA	<0.50	NA	NA	NA	NA	86.13	21.21	64.92	NA
E-4	5/19/2004	<50	<50	<0.50	<0.50	<0.50	<1.0	NA	<0.50	NA	NA	NA	NA	86.13	21.55	64.58	NA
E-4	9/9/2004	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	<0.50	NA	NA	NA	<5.0	86.13	22.13	64.00	NA
E-4	12/9/2004	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	<0.50	NA	NA	NA	<5.0	86.13	22.24	63.89	NA
E-4	3/9/2005	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	<0.50	NA	NA	NA	<5.0	86.13	17.00	69.13	NA

TABLE 1
WELL CONCENTRATIONS

Shell-branded Service Station
1705 Berryessa Road
San Jose, California

Well ID	Date	TPPH (µg/L)	TEPH (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE 8020 (µg/L)	MTBE 8260 (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	TBA (µg/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	DO Reading (ppm)
E-4	6/15/2005	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	<0.50	NA	NA	NA	<5.0	86.13	10.92	75.21	NA
E-4	9/20/2005	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	<0.50	<2.0	<2.0	<2.0	<5.0	86.13	11.87	74.26	NA
E-4	12/30/2005	<50	NA	<0.50	<0.50	<0.50	<0.50	NA	<0.50	NA	NA	NA	<20	86.13	11.39	74.74	NA
E-4	3/16/2006	<50.0	NA	<0.500	<0.500	<0.500	<0.500	NA	<0.500	NA	NA	NA	<10.0	86.13	10.79	75.34	NA
E-4	6/19/2006	<50.0	NA	<0.500	<0.500	<0.500	<0.500	NA	<0.500	NA	NA	NA	<10.0	86.13	11.09	75.04	NA
E-4	9/22/2006	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	<1.0	<1.0	<1.0	<1.0	<10	86.13	11.55	74.58	NA
E-4	12/13/2006	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	<0.50	NA	NA	NA	<5.0	86.13	11.58	74.55	NA
E-4	3/28/2007	<50	NA	<0.50	<1.0	<1.0	<1.0	NA	<1.0	NA	NA	NA	<10	86.13	11.47	74.66	NA
E-4	6/28/2007	<50 h	NA	<0.50	<1.0	<1.0	<1.0	NA	<1.0	NA	NA	NA	<10	86.13	11.95	74.18	NA
E-4	9/20/2007	<50 h	NA	<0.50	<1.0	<1.0	<1.0	NA	<1.0	<2.0	<2.0	<2.0	<10	86.13	12.19	73.94	NA
E-4	12/7/2007	<50 h	NA	<0.50	<1.0	<1.0	<1.0	NA	<1.0	NA	NA	NA	<10	86.13	11.99	74.14	NA
E-4	3/31/2008	<50	NA	<0.50	<1.0	<1.0	<1.0	NA	<1.0	NA	NA	NA	<10	86.13	11.90	74.23	NA
E-4	6/16/2008	<50	NA	<0.50	<1.0	<1.0	<1.0	NA	<1.0	NA	NA	NA	<10	86.13	12.16	73.97	NA
E-4	9/25/2008	<50	NA	<0.50	<1.0	<1.0	<1.0	NA	<1.0	<2.0	<2.0	<2.0	<10	86.13	12.60	73.53	NA
E-4	12/29/2008	<50	NA	<0.50	<1.0	<1.0	<1.0	NA	<1.0	NA	NA	NA	<10	86.13	12.64	73.49	NA
E-4	2/26/2009	<50	NA	<0.50	<1.0	<1.0	<1.0	NA	<1.0	NA	NA	NA	<10	86.13	11.98	74.15	NA
E-4	**5/27/2009**	**<50**	**NA**	**<0.50**	**<1.0**	**<1.0**	**<1.0**	**NA**	**<1.0**	**NA**	**NA**	**NA**	**<10**	**86.13**	**11.99**	**74.14**	**NA**

Abbreviations:

TPPH = Total petroleum hydrocarbons as gasoline by EPA Method 8260B; prior to September 18, 2001 analyzed by EPA Method 8015.

TEPH = Total petroleum hydrocarbons as diesel by modified EPA Method 8015.

B = Benzene

T = Toluene

E = Ethylbenzene

X = Total xylenes

MTBE 8020 = Methyl tertiary butyl ether by EPA Method 8020

MTBE 8260 = Methyl tertiary butyl ether by EPA Method 8260

DIPE = Di-isopropyl ether, analyzed by EPA Method 8260B

ETBE = Ethyl tertiary butyl ether, analyzed by EPA Method 8260B

TAME = Tertiary amyl methyl ether, analyzed by EPA Method 8260B

TABLE 1
WELL CONCENTRATIONS

Shell-branded Service Station
1705 Berryessa Road
San Jose, California

Well ID	Date	TPPH (µg/L)	TEPH (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE 8020 (µg/L)	MTBE 8260 (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	TBA (µg/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	DO Reading (ppm)

TBA = Tertiary butyl alcohol, analyzed by EPA Method 8260B
TOC = Top of Casing Elevation
GW = Groundwater
DO = Dissolved Oxygen
µg/L = Micrograms per liter
ppm = Parts per million
MSL = Mean sea level
ft. = Feet
<n = Below detection limit
NA = Not Applicable

Notes:

a = Chromatogram pattern indicates the presence of an unidentified hydrocarbon/Hydrocarbon does not match pattern of laboratory's standard.
b = Analyzed past the recommended holding time.
c = Diesel sample broken in transit by Columbia Analytical Services.
d = The compound(s) reported reflect(s) individual or discrete unidentified peaks detected in the diesel range. The pattern does not match fuel std.
e = The concentration indicated for this analyte is an estimated value above the calibration range of the instrument.
f = The sample chromatographic pattern for TPH does not match the chromatographic pattern of the specified standard. Quantitation of the unknown hydrocarbon(s) in the sample was based upon the specified standard.
g = Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.
h = Analyzed by EPA Method 8015B (M).
Ethanol analyzed by EPA Method 8260B.
Wells MW-1 through MW-3 surveyed June 22, 1999 by PLS Surveys, Inc.
Wells MW-4 through MW-6D surveyed August 3, 2000 by PLS Surveys, Inc.
Wells MW-2A, MW-2B, MW-7A, and MW-7B surveyed June 13, 2002 by PLS Surveys, Inc.
Wells E-1 through E-4 surveyed by PLS Surveys, Inc.

TABLE 2
HISTORIC SOIL DATA

Shell- Branded Service Station
1705 Berryessa Road
San Jose, California

Well ID	Depth (feet)	Date	TPPH (mg/kg)	TEPH (mg/kg)	B (mg/kg)	T (mg/kg)	E (mg/kg)	X (mg/kg)	MTBE 8020 (mg/kg)	MTBE 8260 (mg/kg)
A1	15	7/21/1987	5.7	NS	<0.1	<0.1	NS	0.53	NS	NS
A2	15	7/21/1987	810	NS	8.9	15	NS	86	NS	NS
A2	17	7/21/1987	<10.	NS	<0.1	<0.1	NS	<0.1	NS	NS
A3	15	7/21/1987	3.8	NS	<0.1	<0.1	NS	<0.1	NS	NS
B1	15	7/21/1987	6.4	NS	<0.1	<0.1	NS	0.21	NS	NS
B2	15	7/21/1987	3.4	NS	<0.1	<0.1	NS	0.21	NS	NS
B3	15	7/21/1987	<1.0	NS	<0.1	<0.1	NS	<0.1	NS	NS
BH1	5	12/6/1994	<1.0	NS	<0.0025	<0.0025	<0.0025	<0.0025	NS	NS
BH1	10	12/6/1994	<1.0	NS	<0.0025	<0.0025	<0.0025	<0.0025	NS	NS
BH1	14.5	12/6/1994	<1.0	NS	<0.0025	<0.0025	<0.0025	<0.0025	NS	NS
BH2	5	12/6/1994	<1.0	NS	<0.0025	<0.0025	<0.0025	<0.0025	NS	NS
BH2	10	12/6/1994	<1.0	NS	<0.0025	<0.0025	<0.0025	<0.0025	NS	NS
BH2	15	12/6/1994	<1.0	NS	<0.0025	0.0043	<0.0025	<0.0025	NS	NS
BH3	5	7/19/1995	<1.0	NS	1.3	<0.0050	<0.0050	<0.0050	NS	NS
BH3	10	7/19/1995	<1.0	NS	<1.0	<0.0050	<0.0050	<0.0050	NS	NS
BH3	15	7/19/1995	<1.0	NS	<1.0	<0.0050	<0.0050	<0.0050	NS	NS
BH4	5	7/19/1995	<1.0	NS	<1.0	<0.0050	<0.0050	<0.0050	NS	NS
BH4	10	7/19/1995	<1.0	NS	<1.0	<0.0050	<0.0050	<0.0050	NS	NS
BH4	15	7/19/1995	<1.0	NS	2.1	<0.0050	<0.0050	<0.0050	NS	NS
BH4	20	7/19/1995	<1.0	NS	<1.0	<0.0050	<0.0050	<0.0050	NS	NS
BH5	5	7/19/1995	<1.0	NS	2.2	<0.0050	<0.0050	<0.0050	NS	NS
BH5	10	7/19/1995	<1.0	NS	4.1	<0.0050	<0.0050	<0.0050	NS	NS
BH5	14.5	7/19/1995	<1.0	NS	1.4	<0.0050	<0.0050	<0.0050	NS	NS
BH6	5.5	7/19/1995	<1.0	NS	2.2	<0.0050	<0.0050	<0.0050	NS	NS
BH6	10	7/19/1995	<1.0	NS	<1.0	<0.0050	<0.0050	<0.0050	NS	NS
BH6	15	7/19/1995	<1.0	NS	<1.0	<0.0050	<0.0050	<0.0050	NS	NS
D-1	4	1/19/1999	<0.4	<5.0	NS	<0.002	<0.002	<0.002	NS	<0.01
D-2	4	1/19/1999	<0.4	<5.0	<0.002	<0.002	<0.002	<0.002	NS	0.017
D-3	4	1/19/1999	2.39	1220	<0.002	0.0113	0.00915	0.159	NS	<0.01
D-4	4	1/19/1999	<0.4	<5.0	<0.002	<0.002	<0.002	<0.002	NS	<0.01
P-1	4	1/19/1999	<0.4	<5.0	<0.002	<0.002	<0.002	<0.002	NS	<0.01
P-2	4	1/19/1999	<0.4	<5.0	<0.002	<0.002	<0.002	<0.002	NS	<0.01
P-3	4	1/19/1999	<0.4	<5.0	<0.002	<0.002	<0.002	<0.002	NS	<0.01
P-4	4	1/19/1999	<0.4	<5.0	<0.002	<0.002	<0.002	<0.002	NS	<0.01
P-5	4	1/19/1999	<0.4	15.0	<0.002	<0.002	<0.002	0.00876	NS	<0.01
MW-1	5	06/15/99	<1.00	<1.00	<0.00500	<0.00500	<0.00500	<0.00500	<0.0250	NA
MW-1	10	06/15/99	<1.00	<1.00	<0.00500	<0.00500	<0.00500	<0.00500	<0.0250	NA
MW-1	15	06/15/99	<1.00	<1.00	<0.00500	<0.00500	<0.00500	<0.00500	<0.0250	NA
MW-1	20	06/15/99	<1.00	<1.00	<0.00500	<0.00500	<0.00500	<0.00500	<0.0250	NA
MW-1	25	06/15/99	<1.00	<1.00	<0.00500	<0.00500	<0.00500	<0.00500	<0.0250	NA
MW-2	5	06/15/99	<1.00	<1.00	<0.00500	<0.00500	<0.00500	<0.00500	<0.0250	NA
MW-2	10	06/15/99	<1.00	<1.00	<0.00500	<0.00500	<0.00500	<0.00500	<0.0250	NA
MW-2	15	06/15/99	<1.00	<1.00	<0.00500	<0.00500	<0.00500	<0.00500	<0.0250	NA
MW-2	20	06/15/99	<1.00	<1.00	<0.00500	<0.00500	<0.00500	<0.00500	<0.0250	NA
MW-2	25	06/15/99	18.7	13.3	<0.00500	<0.00500	0.650	1.10	<0.0250	NA
MW-3	6	06/16/99	<1.00	<1.00	<0.00500	<0.00500	<0.00500	<0.00500	<0.0250	NA

TABLE 2
HISTORIC SOIL DATA

Shell- Branded Service Station
1705 Berryessa Road
San Jose, California

Well ID	Depth (feet)	Date	TPPH (mg/kg)	TEPH (mg/kg)	B (mg/kg)	T (mg/kg)	E (mg/kg)	X (mg/kg)	MTBE 8020 (mg/kg)	MTBE 8260 (mg/kg)
MW-3	10	06/16/99	<1.00	<1.00	<0.00500	<0.00500	<0.00500	<0.00500	<0.0250	NA
MW-3	15	06/16/99	<1.00	<1.00	<0.00500	<0.00500	<0.00500	<0.00500	<0.0250	NA
MW-3	20	06/16/99	<1.00	<1.00	<0.00500	<0.00500	<0.00500	<0.00500	<0.0250	NA
MW-3	25	06/16/99	<1.00	<1.00	<0.00500	<0.00500	<0.00500	<0.00500	<0.0250	NA
GP-1	6	05/15/00	2	NA	<0.005	<0.005	<0.005	<0.01	<0.05	NA
GP-1	10	05/15/00	<1	NA	<0.005	<0.005	<0.005	<0.01	<0.05	NA
GP-1	15.5	05/15/00	<1	NA	<0.005	<0.005	<0.005	<0.01	<0.05	NA
GP-1	19.5	05/15/00	<1	NA	<0.005	<0.005	<0.005	<0.01	<0.05	NA
GP-1	25.5	05/15/00	<1	NA	<0.005	<0.005	<0.005	<0.01	<0.05	NA
GP-1	29.5	05/15/00	<1	NA	<0.005	<0.005	<0.005	<0.01	<0.05	NA
GP-1	35.5	05/15/00	<1	NA	<0.005	<0.005	<0.005	<0.01	<0.05	NA
GP-1	39.5	05/15/00	<1	NA	<0.005	<0.005	<0.005	<0.01	<0.05	NA
GP-2	6	05/09/00	<1	NA	<0.005	<0.005	<0.005	<0.01	<0.05	NA
GP-2	10	05/09/00	<1	NA	<0.005	<0.005	<0.005	<0.01	<0.05	NA
GP-2	15.5	05/09/00	<1	NA	<0.005	<0.005	<0.005	<0.01	<0.05	NA
GP-2	19.5	05/09/00	<1	NA	<0.005	<0.005	<0.005	<0.01	<0.05	NA
GP-2	25	05/09/00	<1	NA	<0.005	<0.005	<0.005	<0.01	<0.05	NA
GP-2	29.5	05/09/00	<1	NA	<0.005	<0.005	<0.005	<0.01	<0.05	NA
GP-2	35.5	05/09/00	<1	NA	<0.005	<0.005	<0.005	<0.01	<0.05	NA
GP-2	39.5	05/09/00	<1	NA	<0.005	<0.005	<0.005	<0.01	<0.05	NA
GP-3	10	05/15/00	<1	NA	<0.005	<0.005	<0.005	<0.01	<0.05	NA
GP-3	15.5	05/15/00	<1	NA	<0.005	<0.005	<0.005	<0.01	<0.05	NA
GP-3	19.5	05/15/00	<1	NA	<0.005	<0.005	<0.005	<0.01	<0.05	NA
GP-3	25.5	05/15/00	<1	NA	<0.005	<0.005	<0.005	<0.01	<0.05	NA
GP-3	29.5	05/15/00	<1	NA	<0.005	<0.005	<0.005	<0.01	<0.05	NA
GP-3	35.5	05/15/00	<1	NA	<0.005	<0.005	<0.005	<0.01	<0.05	NA
GP-3	39.5	05/15/00	<1	NA	<0.005	<0.005	<0.005	<0.01	<0.05	NA
GP-4	6.5	05/10/00	<1	NA	<0.005	<0.005	<0.005	<0.01	<0.05	NA
GP-4	10	05/10/00	<1	NA	<0.005	<0.005	<0.005	<0.01	<0.05	NA
GP-4	15.5	05/10/00	<1	NA	<0.005	<0.005	<0.005	<0.01	<0.05	NA
GP-4	19.5	05/10/00	<1	NA	<0.005	<0.005	<0.005	<0.01	<0.05	NA
GP-4	25	05/10/00	<1	NA	<0.005	<0.005	<0.005	<0.01	<0.05	NA
GP-4	30.5	05/10/00	<1	NA	<0.005	<0.005	<0.005	<0.01	<0.05	NA
GP-4	36	05/10/00	<1	NA	<0.005	<0.005	<0.005	<0.01	<0.05	NA
GP-4	39.5	05/10/00	<1	NA	<0.005	<0.005	<0.005	<0.01	<0.05	NA
GP-5	6	05/11/00	1	NA	<0.005	<0.005	<0.005	<0.01	<0.05	NA
GP-5	10	05/11/00	<1	NA	<0.005	<0.005	<0.005	0.056	<0.05	NA
GP-5	15.5	05/11/00	<1	NA	<0.005	<0.005	<0.005	<0.01	<0.05	NA
GP-5	19.5	05/11/00	<1	NA	<0.005	<0.005	<0.005	<0.01	<0.05	NA
GP-5	25	05/11/00	<1	NA	<0.005	<0.005	<0.005	<0.01	<0.05	NA
GP-5	29.5	05/11/00	<1	NA	<0.005	<0.005	<0.005	<0.01	<0.05	NA
GP-5	35.5	05/11/00	<1	NA	<0.005	<0.005	<0.005	<0.01	<0.05	NA

TABLE 2
HISTORIC SOIL DATA

Shell- Branded Service Station
1705 Berryessa Road
San Jose, California

Well ID	Depth (feet)	Date	TPPH (mg/kg)	TEPH (mg/kg)	B (mg/kg)	T (mg/kg)	E (mg/kg)	X (mg/kg)	MTBE 8020 (mg/kg)	MTBE 8260 (mg/kg)
GP-5	39.5	05/11/00	<1	NA	<0.005	<0.005	<0.005	<0.01	<0.05	NA
GP-6	15.5	05/12/00	<1	NA	<0.005	<0.005	<0.005	<0.01	<0.05	NA
GP-6	19.5	05/12/00	<1	NA	<0.005	<0.005	<0.005	<0.01	<0.05	NA
GP-6	25	05/12/00	<1	NA	<0.005	<0.005	<0.005	<0.01	<0.05	NA
GP-6	29.5	05/12/00	<1	NA	<0.005	<0.005	<0.005	<0.01	<0.05	NA
GP-6	35	05/12/00	<1	NA	<0.005	<0.005	<0.005	<0.01	<0.05	NA
GP-6	39.5	05/12/00	<1	NA	<0.005	<0.005	<0.005	<0.01	<0.05	NA
GP-7	6.5	05/12/00	<1	NA	<0.005	<0.005	<0.005	<0.01	<0.05	NA
GP-7	10	05/12/00	<1	NA	<0.005	<0.005	<0.005	<0.01	<0.05	NA
GP-7	15.5	05/12/00	<1	NA	<0.005	<0.005	<0.005	<0.01	<0.05	NA
GP-7	19.5	05/12/00	<1	NA	<0.005	<0.005	<0.005	<0.01	<0.05	NA
GP-7	25	05/12/00	<1	NA	<0.005	<0.005	<0.005	<0.01	<0.05	NA
GP-7	29.5	05/12/00	<1	NA	<0.005	<0.005	<0.005	<0.01	<0.05	NA
GP-7	35	05/12/00	<1	NA	<0.005	<0.005	<0.005	<0.01	<0.05	NA
GP-7	39.5	05/12/00	<1	NA	<0.005	<0.005	<0.005	<0.01	<0.05	NA
GP-8	6	05/11/00	1	NA	<0.005	<0.005	<0.005	<0.01	<0.05	NA
GP-8	10	05/11/00	<1	NA	<0.005	<0.005	<0.005	<0.01	<0.05	NA
GP-8	15.5	05/11/00	<1	NA	<0.005	<0.005	<0.005	<0.01	<0.05	NA
GP-8	19.5	05/11/00	<1	NA	<0.005	<0.005	<0.005	<0.01	<0.05	NA
GP-8	25.5	05/11/00	<1	NA	<0.005	<0.005	<0.005	<0.01	<0.05	NA
GP-8	29.5	05/11/00	<1	NA	<0.005	<0.005	<0.005	<0.01	<0.05	NA
GP-8	35.5	05/11/00	<1	NA	<0.005	<0.005	<0.005	<0.01	<0.05	NA
GP-8	39.5	05/11/00	<1	NA	<0.005	<0.005	<0.005	<0.01	<0.05	NA
GP-9	6	05/09/00	<1	NA	<0.005	<0.005	<0.005	<0.01	<0.05	NA
GP-9	10	05/09/00	<1	NA	<0.005	<0.005	<0.005	<0.01	<0.05	NA
GP-9	15	05/09/00	<1	NA	<0.005	<0.005	<0.005	<0.01	<0.05	NA
GP-9	19.5	05/09/00	<1	NA	<0.005	<0.005	<0.005	<0.01	<0.05	NA
GP-9	25	05/09/00	<1	NA	<0.005	<0.005	<0.005	<0.01	<0.05	NA
GP-9	29.5	05/09/00	<1	NA	<0.005	<0.005	<0.005	<0.01	<0.05	NA
GP-9	35	05/09/00	<1	NA	<0.005	<0.005	<0.005	<0.01	<0.05	NA
GP-9	39.5	05/09/00	<1	NA	<0.005	<0.005	<0.005	<0.01	<0.05	NA
GP-10	6	05/10/00	1	NA	<0.005	<0.005	<0.005	<0.01	<0.05	NA
GP-10	10	05/10/00	<1	NA	<0.005	<0.005	<0.005	<0.01	<0.05	NA
GP-10	15	05/10/00	<1	NA	<0.005	<0.005	<0.005	<0.01	<0.05	NA
GP-10	19.5	05/10/00	<1	NA	<0.005	<0.005	<0.005	<0.01	<0.05	NA
GP-10	25	05/10/00	<1	NA	<0.005	<0.005	<0.005	<0.01	<0.05	NA
GP-10	29.5	05/10/00	<1	NA	<0.005	<0.005	<0.005	<0.01	<0.05	NA
GP-10	35	05/10/00	<1	NA	<0.005	<0.005	<0.005	<0.01	<0.05	NA
GP-10	39.5	05/10/00	<1	NA	<0.005	<0.005	<0.005	<0.01	<0.05	NA
ESL	--	--	**83**	**83**	**0.044**	**2.9**	**3.3**	**2.3**	**0.023**	**0.023**

TABLE 2
HISTORIC SOIL DATA

Shell- Branded Service Station
1705 Berryessa Road
San Jose, California

Well ID	Depth (feet)	Date	TPPH (mg/kg)	TEPH (mg/kg)	B (mg/kg)	T (mg/kg)	E (mg/kg)	X (mg/kg)	MTBE 8020 (mg/kg)	MTBE 8260 (mg/kg)

Abbreviations:

TPPH = Total petroleum hydrocarbons as gasoline by EPA Method 8260B; prior to September 18, 2001 analyzed by EPA Method 8015.

TEPH = Total petroleum hydrocarbons as diesel by modified EPA Method 8015.

B = Benzene

T = Toluene

E = Ethylbenzene

X = Total xylenes

MTBE 8020 = Methyl tertiary butyl ether by EPA Method 8020

MTBE 8260 = Methyl tertiary butyl ether by EPA Method 8260

NS = Not sampled

<n = Below detection limit

NA = Not available or not analyzed

TABLE 3
HISTORIC GRAB GROUNDWATER DATA

Shell-Branded Service Station
1705 Berryessa Road
San Jose, California

Well ID	Depth (feet)	Date	TPPH (µg/L)	TEPH (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE 8020 (µg/L)	MTBE 8260 (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	TBA (µg/L)
BH1	NA	12/6/1994	60	NS	0.5	0.8	1	2.7	NS	NS	NS	NS	NS	NS
BH2	NA	12/6/1994	110,000	NS	1,200	120	6,700	19,000	NS	NS	NS	NS	NS	NS
MW-1	NA	06/23/99	<50	0.0597	<0.50	<0.50	<0.50	<0.50	2,400	2,600	<100	<100	<100	<5,000
MW-2	NA	06/23/99	710	0.201	0.98	0.86	0.58	9.2	13	<2.0	<2.0	<2.0	<2.0	<100
MW-3	NA	06/23/99	<50	<0.0500	<0.50	<0.50	<0.50	<0.50	15	15	<2.0	<2.0	<2.0	<100
GP-1	16	05/15/00	<50	NA	<0.5	<0.5	<0.5	<1	6	0.9	<0.5	<5	<5	<50
GP-1	26	05/15/00	<50	NA	<0.5	0.8	<0.5	<1	<3	<0.5	<0.5	<5	<5	<50
GP-1	40	05/15/00	<50	NA	<0.5	0.8	<0.5	<1	<3	<0.5	<0.5	<5	<5	<50
GP-2	16	05/09/00	<50	NA	<0.5	<0.5	<0.5	<1	<3	<1	<1	<10	<10	<100
GP-3	16	05/15/00	110	NA	2.2	<0.5	<0.5	1.1	230	170	<0.5	<5	<5	<50
GP-3	36	05/15/00	<50	NA	<0.5	<0.5	<0.5	<1	<3	<0.5	<0.5	<5	<5	<50
GP-3	40	05/15/00	<50	NA	<0.5	<0.5	<0.5	<1	<3	<0.5	<0.5	<5	<5	<50
GP-4	16	05/10/00	<50	NA	<0.5	<0.5	<0.5	<1	<3	2.0	<0.5	<5	<5	<50
GP-4	20	05/10/00	<50	NA	<0.5	<0.5	<0.5	<1	24	29	<0.5	<5	<5	<50
GP-4	26	05/10/00	<50	NA	<0.5	<0.5	<0.5	<1	<3	<0.5	<0.5	<5	<5	<50
GP-4	32	05/10/00	<50	NA	<0.5	<0.5	<0.5	<1	<3	<0.5	<0.5	<5	<5	<50
GP-4	39	05/10/00	<50	NA	<0.5	<0.5	<0.5	<1	1.2	<10	<10	<100	<100	<1,000
GP-5	16	05/11/00	980	NA	4.0	5.1	0.6	45	35	66	<0.5	<5	<5	<50
GP-5	26	05/11/00	<50	NA	<0.5	<0.5	<0.5	<1	1.4	6	<5	<50	<50	9,100
GP-5	30	05/11/00	<50	NA	<0.5	<0.5	<0.5	<1	<3	<0.5	<0.5	<5	<5	<50
GP-5	36	05/11/00	57	NA	0.7	<0.5	<0.5	2.9	10	10	<2	<20	<20	<200
GP-5	40	05/11/00	<50	NA	<0.5	<0.5	<0.5	1.5	<3	1.8	<0.5	<5	<5	<50
GP-6	16	05/12/00	500	NA	13	<0.5	<0.5	1.9	110,000	60,000	<0.5	<5	200	40,000
GP-6	26	05/12/00	<50	NA	0.6	0.8	<0.5	<0.5	31	34	<0.5	<5	<5	1,700
GP-6	30	05/12/00	<50	NA	<0.5	0.8	<0.5	<0.5	62	79	<0.5	<5	<5	340
GP-6	36	05/12/00	<50	NA	0.8	1.2	<0.5	<0.5	180	230	<1	<10	<10	280
GP-6	40	05/12/00	58	NA	<0.5	2.2	<0.5	2.4	<3	5.9	<0.5	<5	<5	60
GP-7	16	05/12/00	190	NA	<0.5	<0.5	<0.5	<1	6	0.7	<0.5	<5	<5	<50
GP-7	30	05/12/00	<50	NA	<0.5	<0.5	<0.5	<1	<3	<0.5	<0.5	<5	<5	<50

TABLE 3
HISTORIC GRAB GROUNDWATER DATA

Shell-Branded Service Station
1705 Berryessa Road
San Jose, California

Well ID	Depth (feet)	Date	TPPH (µg/L)	TEPH (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE 8020 (µg/L)	MTBE 8260 (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	TBA (µg/L)
GP-7	36	05/12/00	<50	NA	<0.5	0.7	<0.5	<1	<3	<0.5	<0.5	<5	<5	<50
GP-7	40	05/12/00	<50	NA	<0.5	0.9	<0.5	<1	<3	<0.5	<0.5	<5	<5	<50
GP-8	16	05/11/00	350	NA	<0.5	<0.5	<0.5	<1	5	<0.5	<0.5	<5	<5	<50
GP-8	20	05/11/00	<50	NA	<0.5	<0.5	<0.5	1.1	<3	1.0	<0.5	<5	<5	<50
GP-8	30	05/11/00	<50	NA	<0.5	<0.5	<0.5	<1	<3	<0.5	<0.5	<5	<5	<50
GP-8	36	05/11/00	<50	NA	<0.5	1.1	<0.5	<1	<3	<1	<1	<10	<10	<100
GP-8	40	05/11/00	<50	NA	<0.5	<0.5	<0.5	<1	<3	<0.5	<0.5	<5	<5	<50
GP-9	16	05/09/00	360	NA	<0.5	<0.5	<0.5	<1	5	<0.5	<0.5	<5	<5	2,400
GP-9	20	05/09/00	<50	NA	<0.5	<0.5	<0.5	<1	3	3.1	<0.5	<5	<5	<50
GP-9	26	05/09/00	82	NA	<0.5	<0.5	<0.5	2.2	<3	2.8	<0.5	<5	<5	<50
GP-9	30	05/09/00	<50	NA	<0.5	<0.5	<0.5	<1	<3	<0.5	<0.5	<5	<5	<50
GP-10	16	05/10/00	510	NA	<0.5	<0.5	<0.5	<1	35	34	<1	<10	<10	<1,000
GP-10	20	05/10/00	<50	NA	<0.5	<0.5	<0.5	<1	<3	<0.5	<0.5	<5	<5	<50
GP-10	30	05/10/00	<50	NA	<0.5	<0.5	<0.5	<1	<3	<0.5	<0.5	<5	<5	<50
GP-10	36	05/10/00	<50	NA	<0.5	<0.5	<0.5	1.0	<3	<0.5	<0.5	<5	<5	<50
GP-10	40	05/10/00	<50	NA	<0.5	<0.5	<0.5	<1	<3	<0.5	<0.5	<5	<5	<50
MW-4	NA	08/04/00	<50	NA	<0.5	<0.5	<0.5	<1	NA	2.5	<0.5	<5	<5	<1,000
MW-5	NA	08/04/00	<50	NA	<0.5	<0.5	<0.5	<1	NA	84	<1	<10	<10	<2,000
MW-6	NA	08/04/00	84	NA	<0.5	<0.5	<0.5	<1	NA	12,000	<10	<100	<100	<20,000
MW-6R	NA	08/04/00	<50	NA	0.7	1.1	<0.5	<1	NA	5.2	<0.5	<5	<5	<1,000
CPT-1	20	05/16/01	<50	NA	1.4	<0.50	<0.50	<0.50	NA	86.0	NA	NA	<0.50	<5.0
CPT-1	30	05/16/01	<50	NA	<0.50	<0.50	<0.50	<0.50	NA	2.4	NA	NA	<0.50	<5.0
CPT-1	35	05/16/01	<50	NA	<0.50	<0.50	<0.50	<0.50	NA	0.78	NA	NA	<0.50	<5.0
CPT-1	40	05/16/01	<50	NA	<0.50	<0.50	<0.50	<0.50	NA	<0.50	NA	NA	<0.50	<5.0
CPT-2	15	05/16/01	<20,000	NA	<200	<200	<200	<200	NA	100,000	NA	NA	<200	13,000
CPT-2	30	05/16/01	58	NA	<0.50	<0.50	<0.50	<0.50	NA	140	NA	NA	<0.50	25
CPT-2	35	05/16/01	<50	NA	<0.50	<0.50	<0.50	<0.50	NA	310	NA	NA	1.7	160
CPT-2	40	05/16/01	<50	NA	<0.50	<0.50	<0.50	<0.50	NA	89	NA	NA	<0.50	17
CPT-3	15	05/18/01	<50	NA	<0.50	<0.50	<0.50	<0.50	NA	<0.50	NA	NA	<0.50	<5.0

TABLE 3
HISTORIC GRAB GROUNDWATER DATA

Shell-Branded Service Station
1705 Berryessa Road
San Jose, California

Well ID	Depth (feet)	Date	TPPH (µg/L)	TEPH (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE 8020 (µg/L)	MTBE 8260 (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	TBA (µg/L)
CPT-3	30	05/18/01	<50	NA	<0.50	<0.50	<0.50	<0.50	NA	<0.50	NA	NA	<0.50	<5.0
CPT-3	45	05/18/01	<50	NA	<0.50	<0.50	<0.50	<0.50	NA	<0.50	NA	NA	<0.50	<5.0
CPT-4	15	05/18/01	<50	NA	<0.50	<0.50	<0.50	<0.50	NA	<0.50	NA	NA	<0.50	<5.0
CPT-4	45	05/18/01	<50	NA	<0.50	<0.50	<0.50	<0.50	NA	<0.50	NA	NA	<0.50	<5.0
CPT-5	25	05/17/01	<50	NA	<0.50	<0.50	<0.50	<0.50	NA	<0.50	NA	NA	<0.50	<5.0
CPT-5	44	05/17/01	<50	NA	<0.50	<0.50	<0.50	<0.50	NA	<0.50	NA	NA	<0.50	<5.0
GP-11	16	11/28/01	<500	NA	<5.0	<5.0	<5.0	<5.0	NA	2,600	<5.0	<5.0	<5.0	<50
GP-11	36	11/28/01	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	<5.0	<2.0	<2.0	<2.0	<50
GP-12	20	11/28/01	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	<5.0	<2.0	<2.0	<2.0	<50
GP-12	34	11/28/01	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	<5.0	<2.0	<2.0	<2.0	<50
ESL	--	--	**100**	**100**	**1.0**	**40**	**30**	**20**	**5.0**	**5.0**	**NA**	**NA**	**NA**	**12**

Abbreviations:

TPPH = Total purgeable petroleum hydrocarbons (as gasoline)
TEPH = Total extractable petroleum hydrocarbons (as diesel)
B = Benzene
T = Toluene
E = Ethylbenzene
X = Total xylenes
MTBE 8020 = Methyl tertiary butyl ether by EPA Method 8020
MTBE 8260 = Methyl tertiary butyl ether by EPA Method 8260
DIPE = Di-isopropyl ether
ETBE = Ethyl tertiary butyl ether, analyzed by EPA Method 8260B
TAME = Tertiary amyl methyl ether, analyzed by EPA Method 8260B
TBA = Tertiary butyl alcohol, analyzed by EPA Method 8260B
µg/L = Micrograms per liter
NS = Not sampled
NA = Not available or not analyzed
<n = Below detection limit

APPENDIX A

CASE CLOSURE SUMMARY

County of Santa Clara

Environmental Resource Agency
Department of Environmental Health

CASE CLOSURE SUMMARY
Leaking Underground Fuel Storage Tank Program

Date: 11/11/2009

I. AGENCY INFORMATION

Agency Name: Santa Clara County Department of Environmental Health	Address: 1555 Berger Drive, #300
City/State/Zip: San Jose, CA 95112	Phone: (408) 918-3400
Responsible Staff Person: Marmerto Jorvina	Title: Hazardous Materials Specialist

II. CASE INFORMATION

Site Facility Name: Shell Branded Service Station		
Site Facility Address: 1705 Berryessa Road; San Jose		
RB LUSTIS Case No:	Local Case No: 06S1E33D03f	LOP Case No.: 19-110
URF Filing Date: 3/1/1999	SWEEPS No.:	APN: 241-21-068
Responsible Parties	Address	Phone Number
Shell Oil Products US (Mr. Denis Brown)	20945 South Wilmington Avenue Carson, CA 90810	(707) 865-0251

Tank I.D. No.	Size in Gallons	Contents	Closed In Place/Removed?	Date
1,2,3	8,000	Gasoline	Removed	7/14/1987
4	500	Waste Oil	Removed	7/1987
5,6,7	12,000	Gasoline	Existing	
Piping			Replaced	1/1999

III. RELEASE AND SITE CHARACTERIZATION INFORMATION

Cause and Type of Release: Unknown		
Site characterization complete? Yes	Date Approved by Oversight Agency: 9/8/2009	
Monitoring wells installed? Yes	Number: 14	Proper screened interval? Yes
Highest GW Depth Below Ground Surface: 5.55 feet	Lowest Depth: 27.04 feet	Flow Direction: South-Southwest
Most Sensitive Current Use: None		

Summary of Production Wells in Vicinity:

A sensitive receptor survey was performed in 2005 and verified in preparation for this report. No sensitive receptors were identified within 500 feet of the site. The closest water-production well is a municipal well located approximately 888 feet to the west-northwest, which is cross-gradient to the predominant direction of groundwater flow; the existence and location of this well could not be verified in the field during the 2005 survey. The closest surface water body is Upper Penitencia Creek, which is located approximately 700 feet southwest of the site. All other sensitive receptors are located more than 1,000 feet from the site. The results of both the 2005 and the current well survey are included in the attached closure request.

Are drinking water wells affected? No	Aquifer Name: Santa Clara Subbasin in the Santa Clara Valley Groundwater Basin
Is surface water affected? No	Nearest SW Name: Upper Penitencia Creek
Off-site Beneficial Use Impacts (Addresses/Locations): None	
Reports on file? Yes	Where are reports filed? County of Santa Clara, Department of Environmental Health

TREATMENT AND DISPOSAL OF AFFECTED MATERIAL

Material	Amount (Include Units)	Action (Treatment or Disposal w/Destination)	Date
Tank	Four Steel Tanks	Disposal, destination not reported	7/1987
Piping	Not reported	Disposal, destination not reported	1/1999
Free Product	None		
Soil	600 cubic yards	Disposal, destination not reported	7/1987
Groundwater	Approx. 3,190,000 gallons	GWET System, discharge to storm Drain per the NPDES permit Disposal of purge and batch extraction groundwater, Martinez Refinery	1999 to present
Barrels	NA	NA	NA

MAXIMUM DOCUMENTED CONTAMINANT CONCENTRATIONS BEFORE AND AFTER CLEANUP
Optional: (Please see Attachment A for additional information on contaminant locations and concentrations)

	Soil (ppm)		Water (ppb)			Soil (ppm)		Water (ppb)	
Contaminant	Before	After	Before	After	Contaminant	Before	After	Before	After
TPH (Gas)	810	NA	70,000	21,500	Xylene	86	NA	3,600	1,340
TPH (Diesel)	1,220	NA	1,300	NA	Ethylbenzene	0.65	NA	1,700	733
Benzene	8.9	NA	61	5.8	Oil & Grease				
Toluene	15	NA	60	ND	Heavy Metals				
Other (8240/8270)					MTBE (If not analyzed, explain below	0.017	NA	140,000	130

Description of Interim Remediation Activities:

- Batch groundwater extraction in October and November 2000 - Extracted groundwater with a vacuum truck from wells MW-1, MW-3 and MW-6. A total of 209 gallons of water were extracted and approximately 0.01 lbs of MTBE were removed. The technique was not deemed successful.
- Groundwater extraction and treatment system, operation from June 2002 to August 2005 - The system consisted of 4 extraction wells (E-1 to E-4), 3 GAC vessels, a holding tank, pump, and air compressor. The total system discharge was 3,181,353 gallons at an average flow rate of 2.1 gpm (3,092 gpd). The estimated mass removed was 0.2 lbs TPPH, 0.1 lbs TEPH, 2.6 lbs MTBE and 2.7 lbs TBA. The NPDES discharge permit was rescinded on March 10, 2006

Notes: NA – No Analysis Performed
ND- Below detection limit

IV. CLOSURE

Does completed corrective action protect existing beneficial uses per the Regional Board Basin Plan? Yes		
Does completed corrective action protect potential beneficial uses per the Regional Board Basin Plan? Yes		
Does corrective action protect public health for current land use? The site is currently an active service station. Environmental Health Department staff does not make specific determinations concerning public health risk. However, it does not appear that the release would present a risk to human health.		
Site Management Requirements: None		
Should corrective action be reviewed if land use changes? No		
Number of Wells Commissioned: 14	Number of Wells Decommissioned: 0	Number of Wells Retained: 14

List Enforcement Actions Taken: None

ACTION TYPE	ACTION DATE	ACTION
ENFORCEMENT/ORDERS	9/8/2009	Staff Letter
CLEANUP ACTION	7/9/2002	Pump and Treat Groundwater
RESPONSE - REPORTS	10/15/2001	Monitoring Report - Quarterly
RESPONSE - REPORTS	7/15/2001	Monitoring Report - Quarterly
RESPONSE - REPORTS	4/15/2001	Monitoring Report - Quarterly
ENFORCEMENT/ORDERS	3/1/2001	Staff Letter - #33155
RESPONSE - REPORTS	10/15/1999	Monitoring Report - Quarterly
ENFORCEMENT/ORDERS	8/31/1999	Staff Letter - #33105
LEAK ACTION	3/1/1999	Leak Reported

List Enforcement Actions Rescinded: None

V. ADDITIONAL COMMENTS, DATA, ETC.

Site History: (by year)

Summary					
Date	**Activity**	**No. of Borings / Samples**	**Report / Letter Date**	**Consultant**	**Comments**
July 1987	Site Upgrade – UST Replacement	Collected 6 soil samples from the UST excavation	7/21/1987	Kaprealian Engineering, Inc. (KEI)	Maximum concentrations of 810 mg/kg TPH-g and 8.9 mg/kg benzene were detected in the soil collected from beneath the former USTs
September 1987	Site Investigation	Installed 1 monitoring well (S-1)	10/20/1987	Pacific Environmental Group, Inc. (PEG)	Maximum concentrations of 48 ppm high boiling hydrocarbons calculated as oil and 140 ppm oil and grease were detected in soil collected from 9-10.5 feet bgs.

December 1994	Site Investigation	Advanced 2 exploratory borings (BH-1 and BH-2)	01/27/1995	Weiss Associates	No TPH-g, benzene, ethylbenzene, or xylenes were detected in soil; 0.0043 mg/kg toluene was detected in soil from BH-2. Concentrations of 110,000 µg/L TPH-g and 1,200 µg/L benzene were detected in grab ground-water water from BH-2.
July 1995	Site Investigation	Advanced 4 exploratory borings (BH-3 through BH-6) and installed 2 monitoring wells (S-2 and S-3)	08/10/1995	Weiss Associates	No TPH-g or BTEX compounds were detected in any of the soil or grab groundwater samples. TPH-d concentrations in soil ranged from 1.3 mg/kg (BH-3) to 4.1 mg/kg (BH-5).
July and August 1996	Case Closure and Monitoring Well Destructions	Destroyed 3 Wells (S-1 through S-3)	07/23/1996	--	Letter issued granting case closure. All site wells were destroyed following receipt of the letter.
January 1999	Site Renovation (removed or replaced hoists, product piping, and dispensers)	Collected 11 soil samples (Hoist-1, Hoist-2, D-1 through D-4 and P-1 through P-5)	3/1/1999	Cambria Environmental Technology, Inc.	Concentrations of 2.39 mg/kg TPPH, 1,220 mg/kg TEPH, and 0.017 mg/kg MTBE were detected in D-3; a concentration of 15 mg/kg TEPH was detected in P-5.
June 1999	Site Investigation	Installed 3 monitoring wells (MW-1 through MW-3)	8/16/1999	Toxichem Management Systems, Inc. (TOXICHEM)	Concentrations of 18.7 mg/kg TPPH and 13.3 mg/kg TEPH were detected in soil from MW-2 at 25 feet bgs; MTBE and benzene were not detected in any of the soil samples.
May 2000	Site Investigation	Advanced 10 exploratory borings- (GP-1 through GP-10)	9/6/2000	ToxiChem	A maximum concentration of 2 mg/kg TPH-g was detected in soil from GP-1 at 6 feet bgs; MTBE and benzene were not detected in any of the soil samples. Maximum concentrations of 980 µg/L TPH-g (GP-5@16'); 13 µg/L benzene, 110,000 µg/L MTBE and 40,000 µg/L TBA (GP-6@16') were detected in the grab groundwater collected.

July 2000	Site Investigation	Installed 4 monitoring wells (MW-4, MW-5, MW-6 and MW-6D)	9/6/2000	ToxiChem	No soil samples were collected from the well borings. Well MW-6D was screened between 34 and 40 feet bgs in a deeper gravelly sand
October and November 2000	Interim Remedial Action – Batch Extraction	Extracted groundwater with a vacuum truck from wells MW-1, MW-3 and MW-6.	9/11/2001	Toxichem	A total of 209 gallons of water were extracted and approximately 0.01 lbs of MTBE were removed. The technique was not deemed successful.
May 2001	Site Investigation	Advanced 5 CPT Borings (CPT-1 through CPT-5)	6/21/2001	Toxichem	TPPH was only detected in grab groundwater from CPT-2@30 feet bgs at a concentration of 58 µg/L. Maximum concentrations of 100,000 µg/L MTBE and 13,000 µg/L TBA were detected in the grab groundwater from CPT-2@15 feet bgs.
August 2001	Aquifer Testing	Performed slug testing (MW-1, MW-6 and MW-6D), step-discharge testing (MW-1 and MW-6), and a constant rate test (MW-1)	9/7/2001	Toxichem	Average Hydraulic Conductivity: Shallow zone - 1.8 x 10-4 cm/sec (MW-1) and 8.9 x 10 5 cm/sec (MW-6); Deep Zone - 6.3 x 10-3 cm/sec (MW-6D). Radius of influence determined to be approximately 60 feet - capture radius approximately 10 to 20 feet.
November 2001	Site Investigation	Advanced 2 exploratory borings (GP-11 and GP-12)	1/25/2002	Toxichem	A maximum concentration 2,600 µg/L MTBE was detected in depth-discrete grab groundwater collected from GP-11 at 16 feet bgs. TPPH, TBA and benzene were not detected in any of the groundwater analyzed.
December 2001	Site Investigation	Installed 2 nested well pairs (MW-2 A+B and MW-7 A+B)	1/25/2002	Toxichem	No soil or grab groundwater samples were submitted for analysis.
January 2002	Remediation Well Installations and Monitoring Well Destruction	Installed 4 extraction wells (E-1 through E-4) and destroyed Well MW-2	1/25/2002	Toxichem	No soil or grab groundwater samples were submitted for analysis. Well MW-2 was destroyed by pressure grouting.

June 2002 through August 2005	Remediation – GWET System Operation	4 Extraction Wells (E-1 to E-4) and 3 GAC vessels, holding tank, pump, and air compressor	3/10/2006	Toxichem	The total system discharge was 3,181,353 gallons at an average flow rate of 2.1 gpm (3,092 gpd). The estimated mass removed was 0.2 lbs TPPH, 0.1 lbs TEPH, 2.6 lbs MTBE and 2.7 lbs TBA. The NPDES discharge permit was rescinded on March 10, 2006
February 1990 to May 2009	Groundwater Monitoring and Sampling	Wells Sampled (S-1 through S-3; MW-1, MW-2, MW-2A, MW-2B, MW-3 through MW-6, MW-6D, MW-7A, MW-7B and E-1 through E-4	Various	Currently Delta	Historic well concentration data is presented in Table 1.

Considerations and/or Variances:

Conclusion:

Case closure is requested for this site based on the following:

- Residual petroleum hydrocarbon impacts to soil and groundwater beneath the subject site are fully delineated and limited in extent. TPPH, BTEX compounds, and MTBE have not been detected at concentrations above the ESLs in any of the soil samples analyzed since 1999. Recent monitoring data indicate TPPH and MTBE concentrations in groundwater that have exceeded the ESLs are limited laterally within the site boundaries and vertically within shallow water-bearing zone. Hydrographs of the most impacted wells show decreasing trends in concentrations suggesting attenuation of the residual petroleum hydrocarbons in groundwater.
- The residual petroleum hydrocarbons in soil and groundwater beneath the subject site do not pose a threat to human health or the environment. The impacts to soil are minor and are not considered a risk to groundwater due to leaching, or to human health due to direct contact or vapor intrusion. According to the San Francisco Bay RWQCB guidance, the groundwater concentrations that exceed the ESLs are also not considered a risk from direct contact or vapor intrusion, but may pose a risk to drinking water or other sensitive receptors. The shallow water-bearing zone is not currently a drinking water resource, and no sensitive receptors were identified within 500 feet of the site. Additionally, the location of the site within the confined zone of the Santa Clara Subbasin, will likely inhibit migration of the residual petroleum hydrocarbons to deeper aquifers that are utilized as water resources.

VI. LOCAL AGENCY REPRESENTATIVE DATA

Prepared by:	Title:
Signature:	Date:
Approved by:	Title:
Signature:	Date:

This closure approval is based upon the available information and with the provision that the information provided to this agency was accurate and representative of site conditions.

VII. REGIONAL BOARD NOTIFICATION

Regional Board Staff Name: Nathan King	Title:
RB Response:	Date Submitted to RB:
Signature: And Date:	

ATTACHMENTS:

Attachment A – Request for Case Closure

Figure 1 – Site Location Map
Figure 2 – Site Map
Figure 3 – Groundwater Elevation Contour Map – 5/27/2009
Figure 4 – Groundwater Hydrocarbon Distribution Map – 5/27/2009

Graph 1 – TPH-g and MTBE Concentrations vs. Time - Well MW-2A
Graph 2 – TPH-g and MTBE Concentrations vs. Time - Well MW-3
Graph 3 – TPH-g and MTBE Concentrations vs. Time - Well MW-6

Table 1 – Well Concentrations
Table 2 – Historic Soil Data
Table 3 – Historic Grab Groundwater Data

Appendix A – Case Closure Summary
Appendix B – Historic Remediation System Data
Appendix C – Boring Logs
Appendix D – Sensitive Receptor and Utility Survey Information

This document and the related Case Closure Letter shall be retained by the lead agency as part of the official site file.

APPENDIX B

HISTORIC REMEDIATION SYSTEM DATA

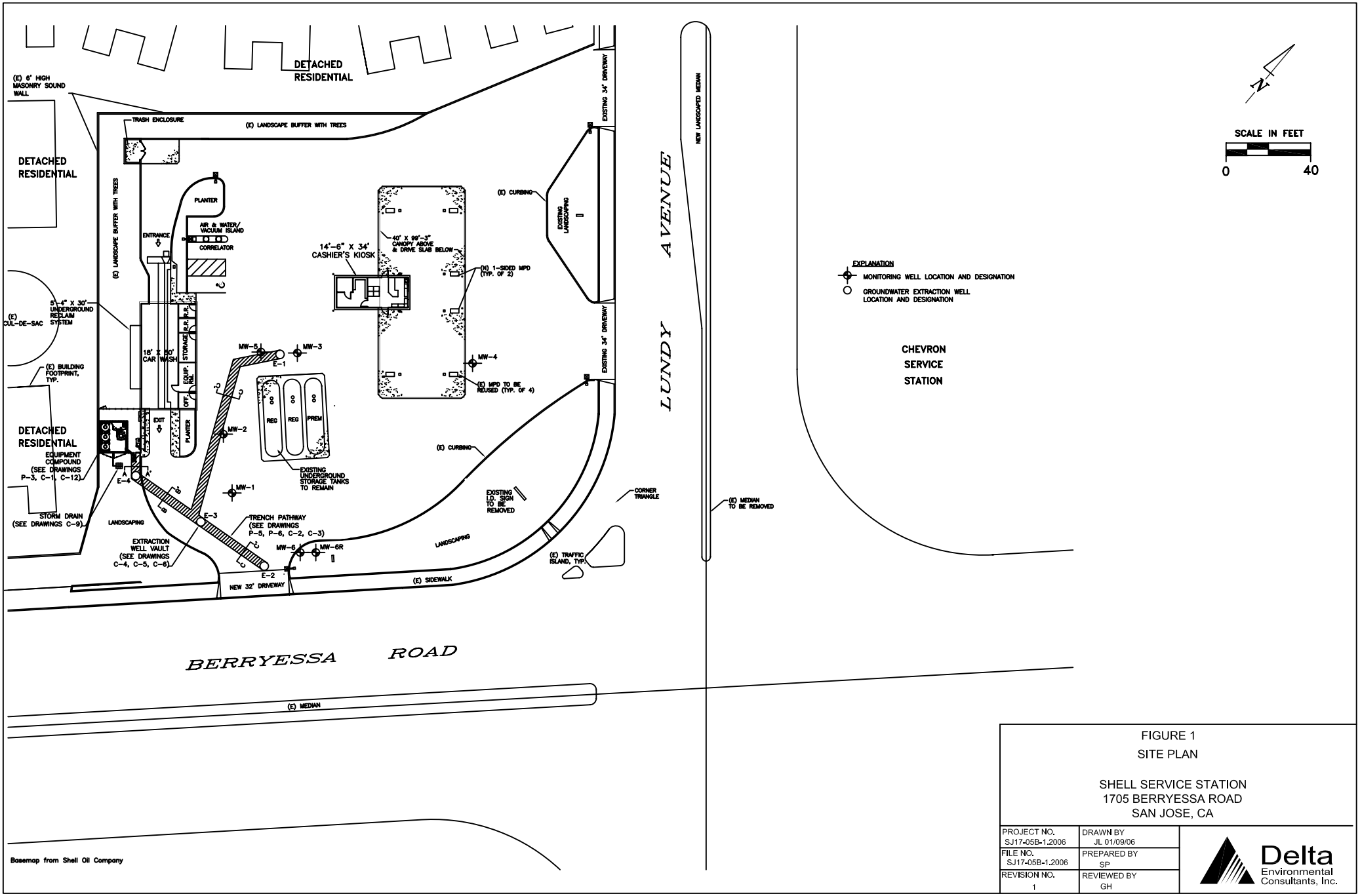


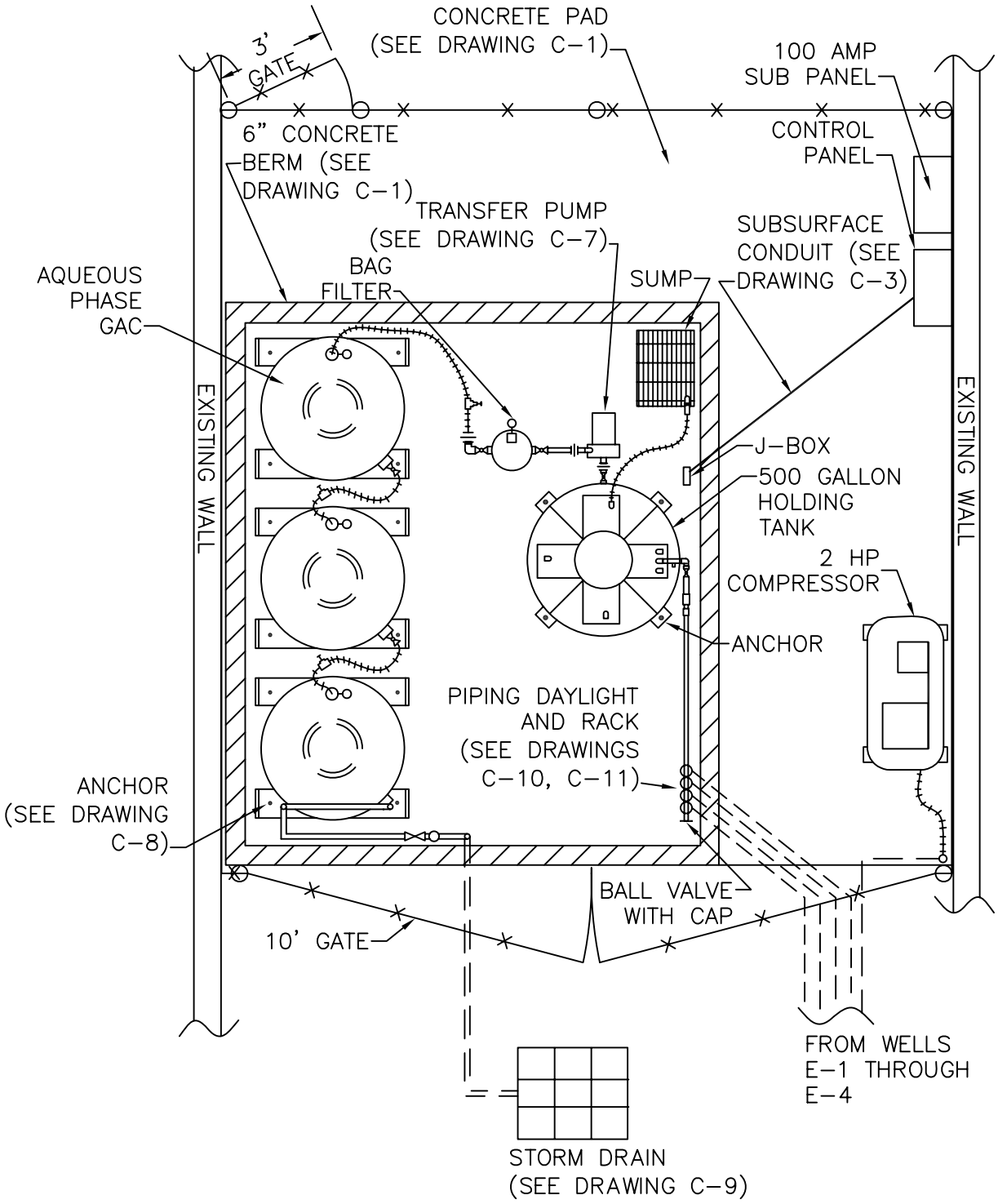
FIGURE 1

SITE PLAN

SHELL SERVICE STATION
1705 BERRYESSA ROAD
SAN JOSE, CA

PROJECT NO. SJ17-05B-1.2006	DRAWN BY JL 01/09/06
FILE NO. SJ17-05B-1.2006	PREPARED BY SP
REVISION NO. 1	REVIEWED BY GH

Delta Environmental Consultants, Inc.



SCALE IN FEET

0 4

NOTE:
LOCATION OF STORM
DRAIN NOT TO SCALE

FIGURE 2
EQUIPMENT COMPOUND LAYOUT

SHELL SERVICE STATION
1705 BERRYESSA ROAD
SAN JOSE, CA

PROJECT NO. SJ17-05B-1.2006	DRAWN BY JL 01/09/05
FILE NO. SJ17-05B-1.2006	PREPARED BY SP
REVISION NO. 1	REVIEWED BY GH

Delta Environmental Consultants, Inc.

Table 1
Historic Analytical Data

Shell Branded Service Station
1705 Berryessa Road, San Jose, California

Table E.7.1 Compounds	Method	Units	Lab Achieved MDL	Mass Based Trigger Conc.	SIP (MLs)	09/16/02 EFFL Sample Conc.	10/22/02 EFFL Sample Conc.	01/08/03 EFFL Sample Conc.	02/06/03 EFFL Sample Conc.	03/05/03 EFFL Sample Conc.	05/07/03 EFFL Sample Conc.	07/18/03 EFFL Sample Conc.	10/09/03 EFFL Sample Conc.	07/14/04 EFFL Sample Conc.
Antimony	200.8	µg/L	1.0	54.9	0.5	<1.0	<1.0	<0.50	NR	NR	<1	<2.0	<2.5	<2.0
Arsenic	200.8	µg/L	1.0	18.3	2	<1.0	<1.0	<1.0	NR	NR	<1	<2.0	2.1	<2.0
Beryllium	200.8	µg/L	1.0	54.9	0.5	<1.0	<1.0	<0.50	NR	NR	<0.5	<1.0	<2.5	<1.0
Cadmium	200.8	µg/L	1.0	18.3	0.25	<1.0	<1.0	<0.25	NR	NR	<0.5	<1.0	<1.0	<1.0
Chromium, Total	200.8	µg/L	5.0	36.6		<5.0	<5.0	**0.68**	NR	NR	<1	<2.0	<2.5	<2.0
Copper	200.8	µg/L	1.0	54.9	0.5	**1.9**	**2.3**	**29**	NR	NR	**23**	<2.0	**3.6**	2.0
Lead	200.8	µg/L	5.0	91.5	0.5	<5.0	<5.0	**7.5**	NR	NR	**3.18**	5.1	<2.5	<1.0
Mercury	7470A	µg/L	0.20	0.183	0.5	<0.20	<0.20	<0.20	NR	NR	<0.2	<0.20	**0.047**	<0.20
Nickel	200.8	µg/L	1.0	91.5	1	**4.3**	**7.1**	**4.6**	NR	NR	**4.77**	**23**	**2.7**	**2.7**
Selenium	200.8	µg/L	1.0	36.6	2	**4.1**	**4.2**	**4.9**	NR	NR	**4.75**	**4.0**	<50	**2.8**
Silver	200.8	µg/L	1.0	18.3	0.25	<1.0	<1.0	<0.25	NR	NR	<0.5	<1.0	<2.5	<1.0
Thallium	200.8	µg/L	1.0	54.9	1	<1.0	<1.0	<1.0	NR	NR	<0.5	<2.0	<2.5	<2.0
Zinc	200.8	µg/L	10	**180.3**	1	**29**	**46**	**340**	**66.7**	**78.6**	**119**	**30**	<25	**41**
Chromium (Hexavalent)	7199	µg/L	1.0	36.6	0.5	<1.0	<1.0	<1.0	NR	NR	<10	<10	<10	<10

Table E.7.2 Compounds	Method	Units	Lab Achieved MDL	Conc. Based Trigger Conc.	SIP (MLs)	9/16/02 EFFL Sample Conc.	10/22/02 EFFL Sample Conc.	01/08/03 EFFL Sample Conc.	02/06/03 EFFL Sample Conc.	03/05/03 EFFL Sample Conc.	05/07/03 EFFL Sample Conc.	07/18/03 EFFL Sample Conc.	10/09/03 EFFL Sample Conc.	07/14/04 EFFL Sample Conc.
Cyanide	335.2	µg/L	50	1	5	<50	<5.0	<5.0	NR	NR	<10	<10	<10	<10

Field Sampling Data	07/9/02 EFFL Sample Conc.	07/14/02 EFFL Sample Conc.	09/16/02 EFFL Sample Conc.	10/22/02 EFFL Sample Conc.	11/12/02 EFFL Sample Conc.	01/08/03 EFFL Sample Conc.	01/20/03 EFFL Sample Conc.	02/06/03 EFFL Sample Conc.	03/05/03 EFFL Sample Conc.	05/07/03 EFFL Sample Conc.	05/23/03 EFFL Sample Conc.	07/18/03 EFFL Sample Conc.	10/09/03 EFFL Sample Conc.	07/14/04 EFFL Sample Conc.
Field Turbidity (NTU)	1	1	1	NR	0	2	NR	3	2	0	NR	3	0	0
96-Hour Fish Toxicity-Static (% Survival)	100	NR	100	100	NR	NR	100	NR	NR	NR	100	100	NR	100
SM2340B Hardness (mg/l as $CaCO_3$)	200	600	100	490	NR	470	NR	NR	NR	530	NR	490	470	480

NTU = Nephelometric turbidity unit
mg/L = Milligrams per liter
CaCO3 = Calcium carbonate
NA = Not available or not applicable
NR = Not required

Table 2
Analytical Data

Shell Branded Service Station
1705 Berryessa Road, San Jose, California

Table B.1 Compounds	Method	Units	Lab Achieved MDL	Max. Daily Effluent Limit	SIP (MLs)	01/04/05 INFL Sample Conc.	01/04/05 EFFL Sample Conc.	02/09/05 INFL Sample Conc.	02/09/05 EFFL Sample Conc.	03/08/05 INFL Sample Conc.	03/08/05 EFFL Sample Conc.	04/27/05 INFL Sample Conc.	04/27/05 EFFL Sample Conc.	05/13/05 INFL Sample Conc.	05/13/05 EFFL Sample Conc.	Footnote
Benzene	8260B	µg/L	0.5	1	2	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
Carbon Tetrachloride	8260B	µg/L	1	0.5	2	NR	<1	NR	NR	NR	NR	NR	NR	NR	NR	
Chloroform	8260B	µg/L	1	5	2	NR	<1	NR	NR	NR	NR	NR	NR	NR	NR	
1,1 Dichloroethane	8260B	µg/L	1	5	1	NR	<1	NR	NR	NR	NR	NR	NR	NR	NR	
1,2 Dichloroethane	8260B	µg/L	1	0.5	2	NR	<1	NR	NR	NR	NR	NR	NR	NR	NR	2
1,1 Dichloroethylene	8260B	µg/L	1	0.5	2	NR	<1	NR	NR	NR	NR	NR	NR	NR	NR	2
Ethylbenzene	8260B	µg/L	0.5	5	2	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
Methylene Chloride	8260B	µg/L	1	5	2	NR	<1	NR	NR	NR	NR	NR	NR	NR	NR	
Tetrachloroethylene	8260B	µg/L	1	1.6	2	NR	<1	NR	NR	NR	NR	NR	NR	NR	NR	
Toluene	8260B	µg/L	0.5	5	2	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
Cis-1,2 Dichloroethylene	8260B	µg/L	1	5		NR	<1	NR	NR	NR	NR	NR	NR	NR	NR	
Trans 1,2 Dichloroethylene	8260B	µg/L	1	5	1	NR	<1	NR	NR	NR	NR	NR	NR	NR	NR	
1,1,1 Trichloroethane	8260B	µg/L	1	5	2	NR	<1	NR	NR	NR	NR	NR	NR	NR	NR	
1,1,2 Trichloroethane	8260B	µg/L	1	1.2	2	NR	<1	NR	NR	NR	NR	NR	NR	NR	NR	
Trichloroethylene	8260B	µg/L	1	5	2	NR	<1	NR	NR	NR	NR	NR	NR	NR	NR	
Vinyl Chloride	8260B	µg/L	1	0.5	2	NR	<1	NR	NR	NR	NR	NR	NR	NR	NR	2
Total Xylenes	8260B	µg/L	1	5		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	
MtBE	8260B	µg/L	0.5-5	5		<0.50	<0.50	**1.3**	<0.50	**1.5**	<0.50	**1.6**	**0.82**	**1.6**	<0.50	
TPH Gasoline	8260B	µg/L	50	50		<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	
TPH Diesel	8015M	µg/L	50	50		<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	
Ethylene Dibromide	504.1	µg/L	0.020	0.05		NR	<0.020	NR	NR	NR	NR	NR	NR	NR	NR	
Freon 113	8260B	µg/L	1	5		NR	<1	NR	NR	NR	NR	NR	NR	NR	NR	

Table E.7.1 Compounds	Method	Units	Lab Achieved MDL	Mass Based Trigger Conc.	SIP (MLs)	01/04/05 INFL Sample Conc.	01/04/05 EFFL Sample Conc.	02/09/05 INFL Sample Conc.	02/09/05 EFFL Sample Conc.	03/08/05 INFL Sample Conc.	03/08/05 EFFL Sample Conc.	04/27/05 INFL Sample Conc.	04/27/05 EFFL Sample Conc.	05/13/05 INFL Sample Conc.	05/13/05 EFFL Sample Conc.	Footnote
Antimony	200.8	µg/L	2	307	0.5	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	
Arsenic	200.8	µg/L	2	102	2	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	
Beryllium	200.8	µg/L	1	307	0.5	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	
Cadmium	200.8	µg/L	1	102	0.25	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	
Chromium, Total	200.8	µg/L	2	204	0.5	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	
Copper	200.8	µg/L	2	307	0.5	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	
Lead	200.8	µg/L	1	511	0.5	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	
Mercury	7470A	µg/L	0.20	1.02	0.5	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	
Nickel	200.8	µg/L	2	511	1	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	
Selenium	200.8	µg/L	2	204	2	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	

Table 2
Analytical Data

Shell Branded Service Station
1705 Berryessa Road, San Jose, California

Table E.7.1 Compounds (Continued)	Method	Units	Lab Achieved MDL	Mass Based Trigger Conc.	SIP (MLs)	01/04/05 INFL Sample Conc.	01/04/05 EFFL Sample Conc.	02/09/05 INFL Sample Conc.	02/09/05 EFFL Sample Conc.	03/08/05 INFL Sample Conc.	03/08/05 EFFL Sample Conc.	04/27/05 INFL Sample Conc.	04/27/05 EFFL Sample Conc.	05/13/05 INFL Sample Conc.	05/13/05 EFFL Sample Conc.	Footnote
Silver	200.8	µg/L	1	102	0.25	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	
Thallium	200.8	µg/L	2	307	1	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	
Zinc	200.8	µg/L	2	1022	1	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	
Chromium (Hexavalent)	7196A	µg/L	10	204	0.5	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	

Table E.7.2 Compounds	Method	Units	Lab Achieved MDL	Conc. Based Trigger Conc.	SIP (MLs)	01/04/05 INFL Sample Conc.	01/04/05 EFFL Sample Conc.	02/09/05 INFL Sample Conc.	02/09/05 EFFL Sample Conc.	03/08/05 INFL Sample Conc.	03/08/05 EFFL Sample Conc.	04/27/05 INFL Sample Conc.	04/27/05 EFFL Sample Conc.	05/13/05 INFL Sample Conc.	05/13/05 EFFL Sample Conc.	Footnote
Cyanide	335.2	µg/L	10	1	5	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	
Acrolein	8260B	µg/L	5	5	5	NR	<5	NR	NR	NR	NR	NR	NR	NR	NR	
Acrylonitrile	8260B	µg/L	5	2	2	NR	<5	NR	NR	NR	NR	NR	NR	NR	NR	2
Bromoform	8260B	µg/L	1	4.3	2	NR	<1	NR	NR	NR	NR	NR	NR	NR	NR	
Chlorobenzene	8260B	µg/L	1	5	2	NR	<1	NR	NR	NR	NR	NR	NR	NR	NR	
Chlorodibromomethane	8260B	µg/L	1	0.401	2	NR	<1	NR	NR	NR	NR	NR	NR	NR	NR	2
Chloroethane	8260B	µg/L	1	5	2	NR	<1	NR	NR	NR	NR	NR	NR	NR	NR	
2-Chloroethylvinyl Ether	8260B	µg/L	5	5	1	NR	<5	NR	NR	NR	NR	NR	NR	NR	NR	2
Dichlorobromomethane	8260B	µg/L	1	0.56	2	NR	<1	NR	NR	NR	NR	NR	NR	NR	NR	2
1,2 Dichloropropane	8260B	µg/L	1	0.52	1	NR	<1	NR	NR	NR	NR	NR	NR	NR	NR	2
1,3-Dichloropropylene	8260B	µg/L	1	0.5	2	NR	<1	NR	NR	NR	NR	NR	NR	NR	NR	2
Methyl Bromide	8260B	µg/L	1	5	2	NR	<1	NR	NR	NR	NR	NR	NR	NR	NR	
Methyl Chloride	8260B	µg/L	1	5	2	NR	<1	NR	NR	NR	NR	NR	NR	NR	NR	
1,1,2,2-Tetrachloroethane	8260B	µg/L	1	0.17	1	NR	<1	NR	NR	NR	NR	NR	NR	NR	NR	2
2-Chlorophenol	8270C	µg/L	0.201	5	5	NR	<0.201	NR	NR	NR	NR	NR	NR	NR	NR	
2,4-Dichlorophenol	8270C	µg/L	0.201	5	5	NR	<0.201	NR	NR	NR	NR	NR	NR	NR	NR	
2,4-Dimethylphenol	8270C	µg/L	1.01	5	2	NR	<1.01	NR	NR	NR	NR	NR	NR	NR	NR	
2-Methyl-4-,6-Dinitrophenol	8270C	µg/L	1.01	5	5	NR	<1.01	NR	NR	NR	NR	NR	NR	NR	NR	
2,4-Dinitrophenol	8270C	µg/L	1.01	5	5	NR	<1.01	NR	NR	NR	NR	NR	NR	NR	NR	
2-Nitrophenol	8270C	µg/L	0.201	5	10	NR	<0.201	NR	NR	NR	NR	NR	NR	NR	NR	
4-Nitrophenol	8270C	µg/L	1.01	5	10	NR	<1.01	NR	NR	NR	NR	NR	NR	NR	NR	
3-Methyl-4-Chlorophenol	8270C	µg/L	0.201	4.8	1	NR	<0.201	NR	NR	NR	NR	NR	NR	NR	NR	
Pentachlorophenol	8270C	µg/L	0.201	0.28	5	NR	<0.201	NR	NR	NR	NR	NR	NR	NR	NR	
Phenol	8270C	µg/L	0.201	5	1	NR	<0.201	NR	NR	NR	NR	NR	NR	NR	NR	
2,4,6-Trichlorophenol	8270C	µg/L	0.201	2.1	10	NR	<0.201	NR	NR	NR	NR	NR	NR	NR	NR	
Acenaphthene	8270C	µg/L	0.0201	5	1	NR	<0.0201	NR	NR	NR	NR	NR	NR	NR	NR	
Acenaphthylene	8270C	µg/L	0.0201	5	10	NR	<0.0201	NR	NR	NR	NR	NR	NR	NR	NR	
Anthracene	8270C	µg/L	0.0201	5	10	NR	<0.0201	NR	NR	NR	NR	NR	NR	NR	NR	

Table 2
Analytical Data

Shell Branded Service Station
1705 Berryessa Road, San Jose, California

Table E.7.2 Compounds (continued)	Method	Units	Lab Achieved MDL	Conc. Based Trigger Conc.	SIP (MLs)	01/04/05 INFL Sample Conc.	01/04/05 EFFL Sample Conc.	02/09/05 INFL Sample Conc.	02/09/05 EFFL Sample Conc.	03/08/05 INFL Sample Conc.	03/08/05 EFFL Sample Conc.	04/27/05 INFL Sample Conc.	04/27/05 EFFL Sample Conc.	05/13/05 INFL Sample Conc.	05/13/05 EFFL Sample Conc.	Footnote
Benzidine	8270C	µg/L	1.01	0.00012	5	NR	<1.01	NR	NR	NR	NR	NR	NR	NR	NR	2
Benzo(a)Anthracene	8270C	µg/L	0.0201	0.0044	5	NR	<0.0201	NR	NR	NR	NR	NR	NR	NR	NR	2
Benzo(a)Pyrene	8270C	µg/L	0.0201	0.0044	10	NR	<0.0201	NR	NR	NR	NR	NR	NR	NR	NR	2
Benzo(b)Fluoranthene	8270C	µg/L	0.101	0.0044		NR	<0.101	NR	NR	NR	NR	NR	NR	NR	NR	2
Benzo(ghi)Perylene	8270C	µg/L	0.0201	5	5	NR	<0.0201	NR	NR	NR	NR	NR	NR	NR	NR	
Benzo(k)Fluoranthene	8270C	µg/L	0.101	0.0044	10	NR	<0.101	NR	NR	NR	NR	NR	NR	NR	NR	2
Bis(2-Chloroethoxy)Methane	8270C	µg/L	0.201	5	5	NR	<2.01	NR	NR	NR	NR	NR	NR	NR	NR	
Bis(2-Chloroethyl)Ether	8270C	µg/L	0.201	0.031	1	NR	<2.01	NR	NR	NR	NR	NR	NR	NR	NR	2
Bis(2-Chloroisopropyl)Ether	8270C	µg/L	0.201	5	2	NR	<2.01	NR	NR	NR	NR	NR	NR	NR	NR	
Bis(2-Ethylhexyl)Phthalate	8270C	µg/L	1.51	1.8	5	NR	<1.51	NR	NR	NR	NR	NR	NR	NR	NR	
4-Bromophenyl Phenyl Ether	8270C	µg/L	0.201	5	5	NR	<0.201	NR	NR	NR	NR	NR	NR	NR	NR	
Butylbenzyl Phthalate	8270C	µg/L	0.302	5	10	NR	<0.302	NR	NR	NR	NR	NR	NR	NR	NR	
2-Chloronaphthalene	8270C	µg/L	0.0201	5	10	NR	<0.0201	NR	NR	NR	NR	NR	NR	NR	NR	
4-Chlorophenyl Phenyl Ether	8270C	µg/L	0.201	5	5	NR	<0.201	NR	NR	NR	NR	NR	NR	NR	NR	
Chrysene	8270C	µg/L	0.0201	0.0044	10	NR	<0.0201	NR	NR	NR	NR	NR	NR	NR	NR	2
Dibenzo(a,h)Anthracene	8270C	µg/L	0.0201	0.0044	10	NR	<0.0201	NR	NR	NR	NR	NR	NR	NR	NR	2
1,2-Dichlorobenzene	8270C	µg/L	0.201	5	2	NR	<0.201	NR	NR	NR	NR	NR	NR	NR	NR	
1,3 Dichlorobenzene	8270C	µg/L	0.201	5	1	NR	<0.201	NR	NR	NR	NR	NR	NR	NR	NR	
1,4-Dichlorobenzene	8270C	µg/L	0.201	5	1	NR	<0.201	NR	NR	NR	NR	NR	NR	NR	NR	
3,3'-Dichlorobenzidine	8270C	µg/L	1.01	0.04	5	NR	<1.01	NR	NR	NR	NR	NR	NR	NR	NR	2
Diethyl Phthalate	8270C	µg/L	0.201	5	2	NR	<0.201	NR	NR	NR	NR	NR	NR	NR	NR	
Dimethyl Phthalate	8270C	µg/L	0.201	5	2	NR	<0.201	NR	NR	NR	NR	NR	NR	NR	NR	
Di-n-Butyl Phthalate	8270C	µg/L	0.201	5	10	NR	**0.508**	NR	NR	NR	NR	NR	NR	NR	NR	
2,4-Dinitrotoluene	8270C	µg/L	0.201	0.11	5	NR	<0.201	NR	NR	NR	NR	NR	NR	NR	NR	
2,6-Dinitrotoluene	8270C	µg/L	0.201	5	5	NR	<0.201	NR	NR	NR	NR	NR	NR	NR	NR	
Di-n-Octyl Phthalate	8270C	µg/L	0.201	5	10	NR	<0.201	NR	NR	NR	NR	NR	NR	NR	NR	
1,2-Diphenylhydrazine	8270C	µg/L	0.503	0.04	2	NR	<0.503	NR	NR	NR	NR	NR	NR	NR	NR	
Fluoranthene	8270C	µg/L	0.0201	5	1	NR	<0.0201	NR	NR	NR	NR	NR	NR	NR	NR	
Fluorene	8270C	µg/L	0.0201	5	10	NR	<0.0201	NR	NR	NR	NR	NR	NR	NR	NR	
Hexachlorobenzene	8270C	µg/L	0.201	0.00075	1	NR	<0.201	NR	NR	NR	NR	NR	NR	NR	NR	
Hexachlorobutadiene	8270C	µg/L	0.201	0.44	1	NR	<0.201	NR	NR	NR	NR	NR	NR	NR	NR	
Hexachlorocyclopentadiene	8270C	µg/L	1.01	5	5	NR	<1.01	NR	NR	NR	NR	NR	NR	NR	NR	
Hexachloroethane	8270C	µg/L	0.201	1.9	1	NR	<0.201	NR	NR	NR	NR	NR	NR	NR	NR	
Ideno(1,2,3-cd)Pyrene	8270C	µg/L	0.0201	0.0044	10	NR	<0.0201	NR	NR	NR	NR	NR	NR	NR	NR	2
Isophorone	8270C	µg/L	0.201	5	1	NR	<0.201	NR	NR	NR	NR	NR	NR	NR	NR	
Naphthalene	8270C	µg/L	0.0503	5	1	NR	<0.0503	NR	NR	NR	NR	NR	NR	NR	NR	
Nitrobenzene	8270C	µg/L	0.201	5	1	NR	<0.201	NR	NR	NR	NR	NR	NR	NR	NR	
N-Nitrosodimethylamine	8270C	µg/L	1.01	0.00069	5	NR	<0.101	NR	NR	NR	NR	NR	NR	NR	NR	
N-Nitrosodi-n-Propylamine	8270C	µg/L	0.201	0.005	5	NR	<0.201	NR	NR	NR	NR	NR	NR	NR	NR	2
N-Nitrosodiphenylamine	8270C	µg/L	0.201	5	5	NR	<0.201	NR	NR	NR	NR	NR	NR	NR	NR	

Table 2
Analytical Data

Shell Branded Service Station
1705 Berryessa Road, San Jose, California

Table E.7.2 Compounds (continued)	Method	Units	Lab Achieved MDL	Conc. Based Trigger Conc.	SIP (MLs)	01/04/05 INFL Sample Conc.	01/04/05 EFFL Sample Conc.	02/09/05 INFL Sample Conc.	02/09/05 EFFL Sample Conc.	03/08/05 INFL Sample Conc.	03/08/05 EFFL Sample Conc.	04/27/05 INFL Sample Conc.	04/27/05 EFFL Sample Conc.	05/13/05 INFL Sample Conc.	05/13/05 EFFL Sample Conc.	Footnote
Phenanthrene	8270C	µg/L	0.0201	5	5	NR	<0.0201	NR	NR	NR	NR	NR	NR	NR	NR	
Pyrene	8270C	µg/L	0.0201	5	10	NR	<0.0201	NR	NR	NR	NR	NR	NR	NR	NR	
1,2,4-Trichlorobenzene	8270C	µg/L	0.201	5	5	NR	<0.201	NR	NR	NR	NR	NR	NR	NR	NR	
1,4-dioxane	8270C	µg/L	1	5		NR	<1.0	NR	NR	NR	NR	NR	NR	NR	NR	
Freon 12	8260B	µg/L	1	0.19		NR	<1	NR	NR	NR	NR	NR	NR	NR	NR	2
Freon 22	8260B	µg/L	NA	5		NR	ND	NR	NR	NR	NR	NR	NR	NR	NR	2,3
Paraldehyde	8260B	µg/L	NA	5		NR	ND	NR	NR	NR	NR	NR	NR	NR	NR	2,3
2-Methylnapthalene	8270C	µg/L	0.0503	5		NR	<0.0503	NR	NR	NR	NR	NR	NR	NR	NR	
2-Methylphenol	8270C	µg/L	0.201	5		NR	<0.201	NR	NR	NR	NR	NR	NR	NR	NR	
4-Methylphenol	8270C	µg/L	0.402	5		NR	<0.402	NR	NR	NR	NR	NR	NR	NR	NR	
Benzyl Alcohol	8270C	µg/L	0.201	5		NR	<0.201	NR	NR	NR	NR	NR	NR	NR	NR	
1,2,4-Trimethylbenzene	8260B	µg/L	1	5		NR	<1	NR	NR	NR	NR	NR	NR	NR	NR	
1,3,5 Trimethylbenzene	8260B	µg/L	1	5		NR	<1	NR	NR	NR	NR	NR	NR	NR	NR	
Isopropylbenzene (Cumene)	8260B	µg/L	1	5		NR	<1	NR	NR	NR	NR	NR	NR	NR	NR	
n-Propylbenzene	8260B	µg/L	1	5		NR	<1	NR	NR	NR	NR	NR	NR	NR	NR	
p-Isopropyltoluene (Cymene)	8260B	µg/L	1	5		NR	<1	NR	NR	NR	NR	NR	NR	NR	NR	
TAME	8260B	µg/L	2	5		<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	
DIPE	8260B	µg/L	2	5		<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	
ETBE	8260B	µg/L	2	5		<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	
TBA	8260B	µg/L	5	5		<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	
Ethanol	8260B	µg/L	50	5		NR	<50	ND	ND	ND	ND	NR	NR	NR	NR	2
Methanol	8015M	µg/L	500	5		NR	<500	ND	ND	ND	ND	NR	NR	NR	NR	2
Tetrahydrofuran (THF)	8260B	µg/L	5	5		NR	<5.0	ND	ND	ND	ND	NR	NR	NR	NR	
Nitromethane	8260B	µg/L	NA	5		NR	ND	NS	NS	NS	NS	NR	NR	NR	NR	3
Other SVOCs	8270C	µg/L	1.01-0.020	5		NR	ND	ND	ND	ND	ND	NR	NR	NR	NR	
Other VOCs	8260B	µg/L	1-5			NR	ND	ND	ND	ND	ND	NR	NR	NR	NR	

Footnotes:

1. Mass based trigger: maximum concentration @ average flow rate calculated for previous 12-months.
2. Lab did not meet specified MDL for Max. Daily Effluent Limit or Mass or Concentration Based Trigger limit.
3. Lab conducted a tentatively identified compound search for the analyte and did not detect the analyte at levels above 10% of the lab internal standards.

Abbreviations:

NR = Not required NS = Not sampled STL = STL Laboratories NA = Not available or not applicable

Table 3
Field Sampling Data and Standard Observations

Shell-Branded Service Station
1705 Berryessa Road, San Jose, California

Sample Location	Method: Date Sampled	Field pH (unitless)	Field Temperature (°C)	Field Conuductivity (mS/cm)	Field Turbidity (NTU)	96-Hour Fish Toxicity-Static (% Survival)	SM2340B Hardness (mg/L CaCO3)	Standard Observations: Odors?	Weather Condition?	Deposits or Discolorations?	Float Switch Operation?
Influent	07/09/02	9.62	23.7	1.32	50	NR	NR	NR	NR	NR	NR
	08/02	System shutdown for carbon changout.									
	09/16/02	7.28	NR	NR	NR	NR	NR	NR	NR	NR	NR
	10/22/02	8.3	NR	NR	NR	NR	NR	NR	NR	NR	NR
	11/12/02	7.23	NR	NR	NR	NR	NR	NR	NR	NR	NR
	12/02	System operation not possible due to loss of electrical power after an automobile collided with carwash electronic components.									
	01/08/03	7.32	NR	NR	NR	NR	NR	NR	NR	NR	NR
	02/06/03	7.55	NR	NR	NR	NR	NR	NR	NR	NR	NR
	03/05/03	6.82	NR	NR	NR	NR	NR	NR	NR	NR	NR
	04/03	System shut down for evaluation.									
	05/07/03	7.71	NR	NR	NR	NR	NR	NR	NR	NR	NR
	06/03	System shut down due to carbon breakthrough.									
	07/18/03	7.36	23.6	1.23	NR	NR	NR	NR	NR	NR	NR
	08/28/03	7.36	NR	NR	NR	NR	NR	NR	NR	NR	NR
	09/11/03	7.38	NR	NR	NR	NR	NR	NR	NR	NR	NR
	10/09/03	7.54	NR	NR	NR	NR	NR	NR	NR	NR	NR
	11/03	System shut down due to carbon breakthrough.									
	12/29/03	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
	02/12/04	7.58	NR	NR	NR	NR	NR	NR	NR	NR	NR
	04/07/04	7.83	NR	NR	NR	NR	NR	NR	NR	NR	NR
	07/14/04	6.65	NR	NR	NR	NR	NR	NR	NR	NR	NR
	10/08/04	6.73	NR	NR	NR	NR	NR	NR	NR	NR	NR
	01/04/05	7.58	NR	NR	NR	NR	NR	NR	NR	NR	NR
	04/27/05	7.15	NR	NR	NR	NR	NR	NR	NR	NR	NR
Effluent	07/09/02	8.34	23.7	1.86	1	100	200	None	36°C, clear, NNE, 1mph	None	Working properly
	07/14/02	7.51	21.5	1.27	1	NR	600	NR	NR	NR	NR
	08/02	System shutdown for carbon changout.									
	09/16/02	7.69	22.2	1.14	1	100	100	No	26°C, clear, SSW, 1 mph	No	Tested
	10/22/02	7.5	18.0	1.2	NR	100	490	None	14°C, clear, WSW, 0 mph	No	NR
	10/28/02	NR	NR	NR	NR	NR	NR	None	26°C, clear, S, 0 mph	No	Tested
	11/12/02	7.27	18.4	1.19	0	NR	NR	None	29°C, clear, NNW, 5 mph	No	Tested
	12/02	System operation not possible due to loss of electrical power after an automobile collided with carwash electronic components.									
	01/08/03	7.21	14.3	1.17	2	NA	470	None	17°C, clear, SSE, 1 mph	No	NA
	01/20/03	NR	NR	NR	NR	100	NR	NR	NR	NR	Tested
	02/06/03	7.56	15.7	1.24	3	NR	NR	None	8.7°C, clear, ESE, 6 mph	No	Tested
	03/05/03	7.04	15.8	1.37	2	NR	NR	None	19.6°C, clear, E, 2 mph	No	Tested
	04/03	System shut down for evaluation.									

Table 3
Field Sampling Data and Standard Observations

Shell-Branded Service Station
1705 Berryessa Road, San Jose, California

Sample Location	Method: Date Sampled	Field pH (unitless)	Field Temperature (°C)	Field Conuductivity (mS/cm)	Field Turbidity (NTU)	96-Hour Fish Toxicity-Static (% Survival)	SM2340B Hardness (mg/L CaCO3)	Standard Observations: Odors?	Weather Condition?	Deposits or Discolorations?	Float Switch Operation?
	05/07/03	7.53	18.1	1.33	-	NR	530	None	14.6°C, cloudy, 8.7 mph	Algae in hoses	Tested
Effluent	05/23/03	NR	NR	NR	NR	100	NR	NR	NR	NR	NR
continued	06/03	System shut down due to carbon breakthrough.									
	07/18/03	7.47	22.8	1.23	3	100	490	None	24.6°C, cloudy, S, 6.5 mph	No	Tested
	08/28/03	7.44	18.0	1.16	NR	NR	NR	None	18.6°C, cloudy, N-NW, 6mph	No	Tested
	09/11/03	7.39	24.8	1.18	NR	NR	NR	None	24.2°C, clear, S, 2 mph	Hoses	Tested
	10/09/03	7.59	22.9	1.27	-	NR	470	None	17.6°C, clear, NE, 0 mph	Hoses	Tested
	11/03	System shut down due to carbon breakthrough.									
	12/29/03	NR	NR	NR	NR	NR	NR	None	10.0°C, cloudy, S, 3.7 mph	No	Tested
	01/13/04	NR	NR	NR	NR	NR	NR	None	10.3°C, clear, SSW, 0.5 mph	Hoses	Tested
	02/12/04	7.84	13.8	1.24	NR	NR	NR	None	12.2°C, clear, SSE, 1.2 mph	Hoses	Tested
	03/17/04	NR	NR	NR	NR	NR	NR	None	20.3°C, clear, S, 0 mph	Hoses	Tested
	04/07/04	7.80	19.8	1.32	NR	NR	NR	None	14.4°C, cloudy, WSW, 2.2mph	Hoses	Tested
	05/06/04	NR	NR	NR	NR	NR	NR	None	17.2°C, cloudy, SSE, 2.6mph	Hoses	Tested
	06/02/04	NR	NR	NR	NR	NR	NR	None	19.2°C, cloudy,WNW,3.1mph	Hoses	Tested
	07/14/04	6.76	19.3	1.28	-	100	480	None	18.6°C, cloudy,WSW,3.0mph	Hoses	Tested
	08/11/04	NR	NR	NR	NR	NR	NR	None	23.9°C, clear,WNW,1.6mph	Hoses	Tested
	09/09/04	NR	NR	NR	NR	NR	NR	None	23.3°C, clear,W,0.6mph	Hoses	Tested
	10/08/04	6.65	19.4	1.26	NR	NR	NR	None	23.3°C, cloudy,NW,0.9mph	Hoses	Tested
	11/02/04	NR	NR	NR	NR	NR	NR	None	14.2°C, clear,NW,0.4mph	Hoses	Tested
	12/07/05	NR	NR	NR	NR	NR	NR	None	13.1°C, cloudy,E,1.4mph	Hoses	Tested
	01/04/05	8.08	15.3	0.98	NR	NR	NR	None	8.3°C,cloudy,SSE,0.3mph	Hoses	Tested
	02/09/05	NR	NR	NR	NR	NR	NR	None	11.4°C,hazy,NW,0.3mph	Hoses	Tested
	03/08/05	NR	NR	NR	NR	NR	NR	None	16.7°C,overcast,WNW,0.5mph	Hoses	Tested
	04/27/05	7.21	18.1	1.3	NR	NR	NR	None	15.0°C,cloundy,S,0.6mph	Hoses	Tested

°C = Degrees Celcius
mS/cm = Microseconds per centimeter
NTU = Nephelometric turbidity unit
mg/L = Milligrams per liter
CaCO3 = Calcium carbonate
NA = Not available or not applicable
NR = Not required
Note: Weather condition (temprature, conditions, wind direction and velocity) from field observations or Berryessa Station via www.wunderground.com or both.
Unable to complete 96-hour fish toxicity test in Fourth Quarter 2003 due to system shut downs and laboratory closures.

Table 4
Groundwater Analytical Data

Shell-Branded Service Station
1705 Berryessa Road, San Jose, California

Sample Location	EPA Method / Date Sampled	8260B Benzene (µg/L)	8260B Toluene (µg/L)	8260B Ethyl-benzene (µg/L)	8260B Total Xylenes (µg/L)	8260B MtBE (µg/L)	8260B DIPE (µg/L)	8260B ETBE (µg/L)	8260B TAME (µg/L)	8260B TBA (µg/L)	8260B TPPH (µg/L)	8015M TEPH (µg/L)	Notes:
Influent	07/09/02	<0.50	<0.50	<0.50	<1.0	<0.50	<2.0	<2.0	<2.0	<50	<50	<50	
	07/14/02	<10	<10	<10	<10	3,300	NR	NR	NR	1,200	<1,000	<50	
	07/22/02	NR	NR	NR	NR	650	NR	NR	NR	140	NR	NR	
	07/29/02	NR	NR	NR	NR	300	<2.0	<2.0	<2.0	70	NR	NR	
	09/12/02	NR	NR	NR	NR	390	<2.0	<2.0	<2.0	<50	NR	NR	
	09/16/02	<0.50	<0.50	<0.50	<0.50	330	<2.0	<2.0	<2.0	<5.0	<50	<50	
	09/23/02	NR	NR	NR	NR	180	<2.0	<2.0	<2.0	<5.0	NR	NR	
	09/30/02	NR	NR	NR	NR	42	<2.0	<2.0	<2.0	<50	NR	NR	
	10/07/02	NR	NR	NR	NR	240	<5.0	<5.0	<5.0	<5.0	NR	NR	
	10/14/02	NR	NR	NR	NR	160	<5.0	<5.0	<5.0	<5.0	NR	NR	
	10/22/02	<0.50	<0.50	<0.50	<0.50	110	<2.0	<2.0	<2.0	<5.0	<50	<50	
	10/28/02	NR	NR	NR	NR	54	<5.0	<5.0	<5.0	<5.0	NR	NR	
	11/04/02	NR	NR	NR	NR	23	<5.0	<5.0	<5.0	<5.0	NR	NR	
	11/12/02	<0.50	<0.50	<0.50	<0.50	29	<0.50	<0.50	<0.50	<5.0	<50	<50	a
	11/20/02	<0.50	<0.50	<0.50	<0.50	5.7	<5.0	<5.0	<5.0	<5.0	<50	<50	
	11/26/02	<0.50	<0.50	<0.50	<0.50	<5.0	<5.0	<5.0	<5.0	<5.0	<50	<50	a
	12/04/02	<0.50	<0.50	<0.50	<0.50	0.62	<5.0	<5.0	<5.0	<5.0	170	<50	
	01/08/03	<0.50	<0.50	<0.50	<0.50	17	<0.50	<0.50	<0.50	<5.0	<50	<50	
	01/14/03	<0.50	<0.50	<0.50	<0.50	190	<5.0	<5.0	<5.0	88	<50	<50	
	02/06/03	<0.50	<0.50	<0.50	<0.50	16	<0.50	<0.50	<0.50	<0.50	<50	<50	
	03/05/03	<0.50	<0.50	<0.50	<0.50	16	<2.0	<2.0	<2.0	<2.0	<50	<50	
	05/07/03	<0.50	<0.50	<0.50	<1.0	9.1	<2.0	<2.0	<2.0	<5.0	<50	<50	
	05/14/03	<0.50	<0.50	<0.50	<1.0	190	<2.0	<2.0	<2.0	190	140	<50	
	05/22/03	NR	NR	NR	NR	380	<2.0	<2.0	<2.0	200	NR	NR	
	07/18/03	<2.5	<2.5	<2.5	<5.0	320	<10	<10	<10	210	<250	<50	c
	07/31/03	NS	NS	NS	NS	120	<10	<10	<10	85	NS	NR	
	08/21/03	NR	NR	NR	NR	250	<40	<40	<40	1,700	NR	NR	
	08/28/03	<0.50	<0.50	<0.50	<1.0	100	<2.0	<2.0	<2.0	420	<50	<50	
	09/04/03	NR	NR	NR	NR	57	<5.0	<5.0	<5.0	200	NR	NR	
	09/11/03	<0.50	<0.50	<0.50	<1.0	61	<2.0	<2.0	<2.0	140	<50	<50	
	09/25/03	NR	NR	NR	NR	57	<2.0	<2.0	<2.0	290	NR	NR	
	10/09/03	<0.50	<0.50	<0.50	<1.0	31	<2.0	<2.0	<2.0	92	<50	<50	
	12/18/03	NR	NR	NR	NR	66	<2.0	<2.0	<2.0	1,200	NR	NR	
	12/29/03	<0.50	<0.50	<0.50	<1.0	47	<2.0	<2.0	<2.0	<5.0	<50	<50	
	01/06/04	NR	NR	NR	NR	26	<2.0	<2.0	<2.0	<5.0	NR	NR	
	01/13/04	<50	<50	<50	<50	130	<50	<50	<50	970	<500	78	b
	01/22/04	NR	NR	NR	NR	110	<10	<10	<10	500	NR	NR	
	02/05/04	NR	NR	NR	NR	6.6	<5.0	<5.0	<5.0	<5.0	NR	NR	
	02/12/04	<0.50	<0.50	<0.50	<1.0	32	<2.0	<2.0	<2.0	93	<50	<50	
	02/19/04	NR	NR	NR	NR	31	<2.0	<2.0	<2.0	160	NR	NR	
	03/09/04	NR	NR	NR	NR	110	<2.0	<2.0	<2.0	390	NR	NR	
	03/17/04	<5.0	<5.0	<5.0	<10	46	<5.0	<5.0	<5.0	240	52	<50	
	03/25/04	NR	NR	NR	NR	21	<2.0	<2.0	<2.0	<5.0	NR	NR	
	04/07/04	NR	NR	NR	NR	17	<2.0	<2.0	<2.0	<5.0	NR	NR	
	04/15/04	<0.50	<0.50	<0.50	<1.0	15	<2.0	<2.0	<2.0	<5.0	<50	<50	
	04/21/04	NR	NR	NR	NR	15	<5.0	<5.0	<5.0	<5.0	NR	NR	
	04/28/04	NR	NR	NR	NR	17	<1.0	<0.50	<0.50	<5.0	NR	NR	
	05/06/04	<0.50	<0.50	<0.50	<1.0	8.5	<2.0	<2.0	<2.0	<5.0	<50	<50	
	06/02/04	<0.50	<0.50	<0.50	<1.0	1.6	<2.0	<2.0	<2.0	<5.0	<50	<50	
	07/14/04	<0.50	<0.50	<0.50	<1.0	3.5	<2.0	<2.0	<2.0	<5.0	<50	<50	
	08/11/04	<0.50	<0.50	<0.50	<1.0	17	<2.0	<2.0	<2.0	130	69	<50	e
	09/09/04	<0.50	<0.50	<0.50	<1.0	3.2	<2.0	<2.0	<2.0	<5.0	<50	<50	
	10/08/04	<0.50	<0.50	<0.50	<1.0	<5.0	<2.0	<2.0	<2.0	<5.0	<50	84	
	11/02/04	<0.50	<0.50	<0.50	<1.0	4.6	<2.0	<2.0	<2.0	38	<50	<50	
	12/07/04	<0.50	<0.50	<0.50	<1.0	<0.50	<2.0	<2.0	<2.0	<5.0	<50	<50	
	01/04/05	<0.50	<0.50	<0.50	<1.0	<0.50	<2.0	<2.0	<2.0	<5.0	<50	<50	
	02/09/05	<0.50	<0.50	<0.50	<1.0	1.3	<2.0	<2.0	<2.0	<5.0	<50	<50	
	03/08/05	<0.50	<0.50	<0.50	<1.0	1.5	<5.0	<5.0	<5.0	<5.0	<50	<50	
	04/27/05	<0.50	<0.50	<0.50	<1.0	1.6	<2.0	<2.0	<2.0	<5.0	<50	<50	g
	05/13/05	<0.50	<0.50	<0.50	<1.0	1.6	<2.0	<2.0	<2.0	<5.0	<50	<50	h

Table 4
Groundwater Analytical Data

Shell-Branded Service Station
1705 Berryessa Road, San Jose, California

Sample Location	EPA Method / Date Sampled	8260B Benzene (µg/L)	8260B Toluene (µg/L)	8260B Ethyl-benzene (µg/L)	8260B Total Xylenes (µg/L)	8260B MtBE (µg/L)	8260B DIPE (µg/L)	8260B ETBE (µg/L)	8260B TAME (µg/L)	8260B TBA (µg/L)	8260B TPPH (µg/L)	8015M TEPH (µg/L)	Notes:
Mid-1	07/14/02	<0.50	<0.50	<0.50	<0.50	<0.50	NR	NR	NR	<50	<50	NR	
	07/22/02	NR	NR	NR	NR	<0.50	NR	NR	NR	**440**	NR	NR	
	07/29/02	NR	NR	NR	NR	**7.7**	<2.0	<2.0	<2.0	<50	NR	NR	
	09/12/02	NR	NR	NR	NR	<0.50	<2.0	<2.0	<2.0	<50	NR	NR	
	09/16/02	<0.50	<0.50	<0.50	<0.50	<0.50	<2.0	<2.0	<2.0	<50	<50	NR	
	09/23/02	NR	NR	NR	NR	<0.50	<2.0	<2.0	<2.0	<5.0	NR	NR	
	09/30/02	NR	NR	NR	NR	<0.50	<2.0	<2.0	<2.0	<5.0	NR	NR	
	10/07/02	NR	NR	NR	NR	<5.0	<5.0	<5.0	<5.0	<5.0	NR	NR	
	10/14/02	NR	NR	NR	NR	<5.0	<5.0	<5.0	<5.0	<5.0	NR	NR	
	10/22/02	<0.50	<0.50	<0.50	<0.50	<0.50	<2.0	<2.0	<2.0	<5.0	<50	NR	
	10/28/02	NR	NR	NR	NR	<5.0	<5.0	<5.0	<5.0	<5.0	NR	NR	
	11/04/02	NR	NR	NR	NR	<5.0	<5.0	<5.0	<5.0	<5.0	NR	NR	
	11/12/02	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0	<50	<50	a
	11/20/02	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0	<5.0	<5.0	<5.0	<50	<50	
	11/26/02	<0.50	<0.50	<0.50	<0.50	<5.0	<5.0	<5.0	<5.0	<5.0	<50	<50	a
	01/06/03	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<50	<50	
	01/14/03	<0.50	<0.50	<0.50	<0.50	<5.0	<5.0	<5.0	<5.0	<5.0	<50	<50	
	02/06/03	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<50	<50	
	03/05/03	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0	<5.0	<5.0	<5.0	<50	NR	
	05/07/03	<0.50	<0.50	<0.50	<1.0	<5.0	<2.0	<2.0	<2.0	<5.0	<50	<50	
	05/14/03	<0.50	<0.50	<0.50	<1.0	**0.51**	<2.0	<2.0	<2.0	**7.5**	<50	<50	
	05/22/03	NR	NR	NR	NR	**0.64**	<2.0	<2.0	<2.0	<5.0	NR	NR	
	07/18/03	<0.50	<0.50	<0.50	<1.0	<0.50	<2.0	<2.0	<2.0	**160**	<50	<50	
	07/31/03	NR	NR	NR	NR	**1.7**	<2.0	<2.0	<2.0	**30**	NR	NR	
	08/21/03	NR	NR	NR	NR	<5.0	<2.0	<2.0	<2.0	**6.8**	NR	NR	
	08/28/03	<0.50	<0.50	<0.50	<1.0	<5.0	<2.0	<2.0	<2.0	**120**	<50	<50	
	09/04/03	NR	NR	NR	NR	<5.0	<5.0	<5.0	<5.0	**70**	NR	NR	
	09/11/03	<0.50	<0.50	<0.50	<1.0	<0.50	<2.0	<2.0	<2.0	**37**	**51**	<50	
	09/25/03	NR	NR	NR	NR	<5.0	<2.0	<2.0	<2.0	**32**	NR	NR	
	10/09/03	<0.50	<0.50	<0.50	<1.0	<0.50	<2.0	<2.0	<2.0	**14**	<50	<50	
	12/18/03	NR	NR	NR	NR	<5.0	<2.0	<2.0	<2.0	<5.0	NR	NR	
	12/29/03	<0.50	<0.50	<0.50	<1.0	<0.50	<2.0	<2.0	<2.0	**280**	<50	<50	
	01/06/04	NR	NR	NR	NR	<5.0	<2.0	<2.0	<2.0	**120**	NR	NR	
	01/13/04	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	**270**	<50	<50	
	01/22/04	NR	NR	NR	NR	<0.50	<2.0	<2.0	<2.0	**100**	NR	NR	
	02/05/04	NR	NR	NR	NR	<5.0	<5.0	<5.0	<5.0	<5.0	NR	NR	
	02/12/04	<0.50	<0.50	<0.50	<1.0	<0.50	<2.0	<2.0	<2.0	**27**	<50	<50	
	02/19/04	NR	NR	NR	NR	**1.4**	<2.0	<2.0	<2.0	**32**	NR	NR	
	03/09/04	NR	NR	NR	NR	<0.50	<2.0	<2.0	<2.0	**43**	NR	NR	
	03/17/04	<5.0	<5.0	<5.0	<10	<0.50	<5.0	<5.0	<5.0	<5.0	<50	<50	
	03/25/04	NR	NR	NR	NR	<0.50	<2.0	<2.0	<2.0	<5.0	NR	NR	
	04/07/04	NR	NR	NR	NR	<0.50	<2.0	<2.0	<2.0	<5.0	NR	NR	
	04/15/04	<0.50	<0.50	<0.50	<1.0	<0.50	<2.0	<2.0	<2.0	<5.0	<50	<50	
	04/21/04	NR	NR	NR	NR	<5.0	<5.0	<5.0	<5.0	<5.0	NR	NR	
	04/28/04	NR	NR	NR	NR	<0.50	<1.0	<0.50	<0.50	<5.0	NR	NR	
	05/06/04	<0.50	<0.50	<0.50	<1.0	<0.50	<2.0	<2.0	<2.0	<5.0	<50	<50	
	06/02/04	<0.50	<0.50	<0.50	<1.0	<0.50	<2.0	<2.0	<2.0	<5.0	<50	<50	
	07/14/04	<0.50	<0.50	<0.50	<1.0	<0.50	<2.0	<2.0	<2.0	<5.0	<50	<50	
	08/11/04	<0.50	<0.50	<0.50	<1.0	<5.0	<2.0	<2.0	<2.0	<5.0	<50	<50	
	09/09/04	<0.50	<0.50	<0.50	<1.0	<5.0	<2.0	<2.0	<2.0	<5.0	<50	<50	
	10/08/04	<0.50	<0.50	<0.50	<1.0	<0.50	<2.0	<2.0	<2.0	<5.0	<50	<50	
	11/02/04	<0.50	<0.50	<0.50	<1.0	<0.50	<2.0	<2.0	<2.0	<5.0	<50	<50	
	12/07/04	<0.50	<0.50	<0.50	<1.0	<0.50	<2.0	<2.0	<2.0	<5.0	<50	<50	f
	01/04/05	<0.50	<0.50	<0.50	<1.0	<0.50	<2.0	<2.0	<2.0	<5.0	<50	<50	
	02/09/05	<0.50	<0.50	<0.50	<1.0	<0.50	<2.0	<2.0	<2.0	<5.0	<50	<50	
	03/08/05	<0.50	<0.50	<0.50	<1.0	<0.50	<2.0	<2.0	<2.0	<5.0	<50	<50	
	04/27/05	<0.50	<0.50	<0.50	<1.0	<0.50	<2.0	<2.0	<2.0	<5.0	<50	<50	g
	05/13/05	<0.50	<0.50	<0.50	<1.0	<0.50	<2.0	<2.0	<2.0	<5.0	<50	<50	

Table 4
Groundwater Analytical Data

Shell-Branded Service Station
1705 Berryessa Road, San Jose, California

Sample Location	EPA Method / Date Sampled	8260B Benzene (µg/L)	8260B Toluene (µg/L)	8260B Ethyl-benzene (µg/L)	8260B Total Xylenes (µg/L)	8260B MtBE (µg/L)	8260B DIPE (µg/L)	8260B ETBE (µg/L)	8260B TAME (µg/L)	8260B TBA (µg/L)	8260B TPPH (µg/L)	8015M TEPH (µg/L)	Notes:
Mid-2	07/14/02	<0.50	<0.50	<0.50	<0.50	<0.50	NR	NR	NR	<50	<50	NR	
	07/22/02	NR	NR	NR	NR	<0.50	<2.0	<2.0	<2.0	<50	NR	NR	
	07/29/02	NR	NR	NR	NR	<0.50	<2.0	<2.0	<2.0	**66**	NR	NR	
	09/16/02	NR	NR	NR	NR	<0.50	<2.0	<2.0	<2.0	<5.0	NR	NR	
	11/12/02	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0	<50	<50	a
	11/26/02	<0.50	<0.50	<0.50	<0.50	<5.0	<5.0	<5.0	<5.0	<5.0	<50	<50	a
	05/14/03	<0.50	<0.50	<0.50	<1.0	<0.50	<2.0	<2.0	<2.0	<5.0	<50	<50	
	05/22/03	NR	NR	NR	NR	<0.50	<2.0	<2.0	<2.0	<5.0	NR	NR	
	07/18/03	<0.50	<0.50	<0.50	<1.0	<0.50	<2.0	<2.0	<2.0	<5.0	<50	<50	
	07/31/03	NR	NR	NR	NR	<0.50	<2.0	<2.0	<2.0	**33**	NR	NR	
	08/21/03	NR	NR	NR	NR	<5.0	<2.0	<2.0	<2.0	<5.0	NR	NR	
	08/28/03	<0.50	<0.50	<0.50	<1.0	<5.0	<2.0	<2.0	<2.0	<5.0	<50	NR	
	09/04/03	NR	NR	NR	NR	<5.0	<5.0	<5.0	<5.0	**15**	NR	NR	
	09/11/03	<0.50	<0.50	<0.50	<1.0	<0.50	<5.0	<5.0	<5.0	**31**	<50	NR	
	09/25/03	NR	NR	NR	NR	<5.0	<2.0	<2.0	<2.0	<5.0	NR	NR	
	10/09/03	<0.50	<0.50	<0.50	<1.0	<0.50	<2.0	<2.0	<2.0	**7.2**	<50	<50	
	12/18/03	NR	NR	NR	NR	<5.0	<2.0	<2.0	<2.0	<5.0	NR	NR	
	12/29/04	<0.50	<0.50	<0.50	<1.0	<0.50	<2.0	<2.0	<2.0	**9.0**	<50	NR	
	01/13/04	<0.50	<0.50	<0.50	<1.0	<0.50	<2.0	<2.0	<2.0	<5.0	<50	NR	
	01/22/04	NR	NR	NR	NR	<0.50	<2.0	<2.0	<2.0	**160**	NR	NR	
	02/12/04	<0.50	<0.50	<0.50	<1.0	<0.50	<2.0	<2.0	<2.0	**90**	<50	<50	
	02/19/04	NR	NR	NR	NR	<0.50	<2.0	<2.0	<2.0	**80**	NR	NR	
	03/09/04	NR	NR	NR	NR	<0.50	<2.0	<2.0	<2.0	<5.0	NR	NR	
	04/07/04	NR	NR	NR	NR	<0.50	<2.0	<2.0	<2.0	<5.0	NR	NR	
	12/07/04	<0.50	<0.50	<0.50	<1.0	<0.50	<2.0	<2.0	<2.0	<5.0	<50	<50	
	05/13/05	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	<50	
Effluent	**07/09/02**	<0.50	<0.50	<0.50	<1.0	<0.50	<2.0	<2.0	<2.0	<50	<50	<50	
	07/14/02	<0.50	<0.50	<0.50	<0.50	<5.0	NR	NR	NR	NR	<50	<50	
	07/29/02	NR	NR	NR	NR	<0.50	<2.0	<2.0	<2.0	<50	NR	NR	
	09/16/02	<0.50	<0.50	<0.50	<0.50	<0.50	<2.0	<2.0	<2.0	<5.0	<50	NR	
	10/22/02	<0.50	<0.50	<0.50	<0.50	<0.50	<2.0	<2.0	<2.0	<5.0	<50	<50	
	11/12/02	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0	<50	<50	a
	11/26/02	<0.50	<0.50	<0.50	<0.50	<5.0	<5.0	<5.0	<5.0	<5.0	<50	<50	
	12/04/02	<0.50	<0.50	<0.50	<0.50	<5.0	<5.0	<5.0	<5.0	<5.0	<50	<50	
	01/08/03	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<50	<50	
	02/06/03	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<50	<50	
	03/05/03	<0.50	<0.50	<0.50	<0.50	<0.50	<2.0	<2.0	<2.0	<5.0	<50	<50	
	05/07/03	<0.50	<0.50	<0.50	<1.0	<0.50	<2.0	<2.0	<2.0	<5.0	<50	<50	
	07/18/03	<0.50	<0.50	<0.50	<1.0	<0.50	<2.0	<2.0	<2.0	<5.0	<50	<50	
	07/31/03	NS	NS	NS	NS	<0.50	<2.0	<2.0	<2.0	<5.0	NS	NR	
	08/28/03	<0.50	<0.50	<0.50	<1.0	<5.0	<2.0	<2.0	<2.0	<5.0	<50	<50	
	09/04/03	NR	NR	NR	NR	<5.0	<5.0	<5.0	<5.0	<5.0	NR	NR	
	09/11/03	<0.50	<0.50	<0.50	<1.0	<0.50	<5.0	<5.0	<5.0	<5.0	<50	<50	
	10/09/03	<0.50	<0.50	<0.50	<1.0	<0.50	<2.0	<2.0	<2.0	<5.0	<50	<50	
	12/18/03	NR	NR	NR	NR	<5.0	<2.0	<2.0	<2.0	<5.0	NR	NR	
	12/29/03	<0.50	<0.50	<0.50	<1.0	<0.50	<2.0	<2.0	<2.0	<5.0	<50	<50	
	01/06/04	NR	NR	NR	NR	<5.0	<2.0	<2.0	<2.0	<5.0	NR	NR	
	01/13/04	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<50	<50	
	01/22/04	NR	NR	NR	NR	<0.50	<2.0	<2.0	<2.0	<5.0	NR	NR	
	02/05/04	NR	NR	NR	NR	<5.0	<5.0	<5.0	<5.0	<5.0	NR	NR	
	02/12/04	<0.50	<0.50	<0.50	<1.0	<0.50	<2.0	<2.0	<2.0	**19**	<50	<50	
	02/19/04	NR	NR	NR	NR	<5.0	<2.0	<2.0	<2.0	**48**	NR	NR	
	03/09/04	NR	NR	NR	NR	<0.50	<2.0	<2.0	<2.0	<5.0	NR	NR	
	03/17/04	<5.0	<5.0	<5.0	<10	<0.50	<5.0	<5.0	<5.0	<5.0	<50	<50	
	03/25/04	NR	NR	NR	NR	<0.50	<2.0	<2.0	<2.0	<5.0	NR	NR	
	04/07/04	NR	NR	NR	NR	<0.50	<2.0	<2.0	<2.0	<5.0	NR	NR	
	04/15/04	<0.50	<0.50	<0.50	<1.0	<0.50	<2.0	<2.0	<2.0	<5.0	<50	<50	
	05/06/04	<0.50	<0.50	<0.50	<1.0	<0.50	<2.0	<2.0	<2.0	<5.0	<50	<50	
	06/02/04	<0.50	<0.50	<0.50	<1.0	<0.50	<2.0	<2.0	<2.0	<5.0	<50	<50	
	07/14/04	<0.50	<0.50	<0.50	<1.0	<0.50	<2.0	<2.0	<2.0	<5.0	<50	<50	
	08/11/04	<0.50	<0.50	<0.50	<1.0	<5.0	<2.0	<2.0	<2.0	<5.0	<50	<50	
	09/09/04	<0.50	<0.50	<0.50	<1.0	<5.0	<2.0	<2.0	<2.0	<5.0	<50	<50	
	10/08/04	<0.50	<0.50	<0.50	<1.0	<0.50	<2.0	<2.0	<2.0	<5.0	<50	<50	
	11/02/04	<0.50	<0.50	<0.50	<1.0	<0.50	<2.0	<2.0	<2.0	<5.0	<50	<50	
	12/07/04	<0.50	<0.50	<0.50	<1.0	<0.50	<2.0	<2.0	<2.0	<5.0	<50	<50	
	01/04/05	<0.50	<0.50	<0.50	<1.0	<0.50	<2.0	<2.0	<2.0	<5.0	<50	<50	
	02/09/05	<0.50	<0.50	<0.50	<1.0	<0.50	<2.0	<2.0	<2.0	<5.0	<50	<50	
	03/08/05	<0.50	<0.50	<0.50	<1.0	<0.50	<5.0	<5.0	<5.0	<5.0	<50	<50	
	04/27/05	<0.50	<0.50	<0.50	<1.0	**0.82**	<2.0	<2.0	<2.0	<5.0	<50	<50	g
	05/13/05	<0.50	<0.50	<0.50	<1.0	<0.50	<5.0	<5.0	<5.0	<5.0	<50	<50	

Table 4
Groundwater Analytical Data

Shell-Branded Service Station
1705 Berryessa Road, San Jose, California

Sample Location	EPA Method / Date Sampled	8260B Benzene (µg/L)	8260B Toluene (µg/L)	8260B Ethyl-benzene (µg/L)	8260B Total Xylenes (µg/L)	8260B MtBE (µg/L)	8260B DIPE (µg/L)	8260B ETBE (µg/L)	8260B TAME (µg/L)	8260B TBA (µg/L)	8260B TPPH (µg/L)	8015M TEPH (µg/L)	Notes:
E-1	06/11/02	<0.50	2.1	29	150	280	<2.0	<2.0	<2.0	<50	460	480	
	10/07/02	<0.50	<0.50	<0.50	<0.50	7.8	<2.0	<2.0	<2.0	<50	<50	<50	
	12/23/02	<0.50	<0.50	<0.50	6.6	190	NR	NR	NR	NR	<50	130	b
	03/24/03	<0.50	<0.50	<0.50	<1.0	36	NR	NR	NR	NR	<50	<50	
	06/13/03	<0.50	<0.50	<0.50	1.7	46	NR	NR	NR	NR	110	190	d
	09/10/03	<0.50	<0.50	<0.50	<1.0	4.4	NR	NR	NR	NR	<50	<50	
	11/26/03	<0.50	0.55	<0.50	<1.0	4.1	NR	NR	NR	NR	<50	93	b
	03/16/04	<0.50	<0.50	<0.50	<1.0	4.2	NR	NR	NR	NR	<50	<50	
	05/19/04	<0.50	<0.50	<0.50	<1.0	13	NR	NR	NR	NR	<50	<50	
	09/09/04	<0.50	<0.50	<0.50	<1.0	1.6	NR	NR	NR	<5.0	<50	NA	
	12/09/04	<0.50	<0.50	<0.50	<1.0	0.97	NR	NR	NR	<5.0	<50	NA	
	03/08/05	<0.50	<0.50	<0.50	<1.0	27	NR	NR	NR	<5.0	<50	NA	
E-2	06/11/02	<20	<20	<20	<20	7,300	<20	<20	<20	<200	<2,000	190	
	10/07/02	<0.50	<0.50	<0.50	<0.50	24	<2.0	<2.0	<2.0	<50	<50	64	
	12/23/02	<0.50	<0.50	0.85	10	63	NR	NR	NR	NR	510	990	b
	03/24/03	<0.50	<0.50	<0.50	<1.0	<5.0	NR	NR	NR	NR	<50	<50	
	06/13/03	<0.50	<0.50	<0.50	<1.0	61	NR	NR	NR	NR	<50	<50	
	09/10/03	<0.50	<0.50	<0.50	<1.0	64	NR	NR	NR	NR	<50	<50	
	11/26/03	<0.50	<0.50	<0.50	<1.0	120	NR	NR	NR	NR	<50	190	b
	03/16/04	<0.50	<0.50	<0.50	<1.0	50	NR	NR	NR	NR	<50	<50	
	05/19/04	<0.50	<0.50	<0.50	<1.0	4.6	NR	NR	NR	NR	<50	<50	
	09/09/04	<0.50	<0.50	<0.50	<1.0	20	NR	NR	NR	<5.0	<50	NA	
	12/09/04	<0.50	<0.50	<0.50	<1.0	<0.50	NR	NR	NR	<5.0	<50	NA	
	03/09/05	<0.50	<0.50	<0.50	<1.0	16	NR	NR	NR	44	<50	NA	
E-3	06/11/02	<0.50	<0.50	<0.50	<0.50	26,000	<50	<50	<50	12,000	<5,000	85	
	10/07/02	<0.50	<0.50	<0.50	<0.50	330	<2.0	<2.0	<2.0	<50	<50	<50	
	12/23/02	<0.50	<0.50	<0.50	2.3	<5.0	NR	NR	NR	NR	<50	73	b
	03/24/03	<0.50	<0.50	<0.50	<1.0	<5.0	NR	NR	NR	NR	<50	<50	
	06/13/03	<0.50	<0.50	<0.50	<1.0	0.52	NR	NR	NR	NR	<50	<50	
	09/10/03	<0.50	<0.50	<0.50	<1.0	68	NR	NR	NR	NR	<50	<50	
	11/26/03	<0.50	0.51	<0.50	<1.0	<0.50	NR	NR	NR	NR	<50	110	b
	03/16/04	<0.50	<0.50	<0.50	<1.0	95	NR	NR	NR	NR	<50	<50	
	05/19/04	<0.50	<0.50	<0.50	<1.0	<0.50	NR	NR	NR	NR	<50	<50	
	12/09/04	<0.50	<0.50	<0.50	<0.50	<0.50	NR	NR	NR	<5.0	<50	NA	
	09/09/04	<0.50	<0.50	<0.50	<0.50	<0.50	NR	NR	NR	<5.0	<50	NA	
	03/09/05	<0.50	<0.50	<0.50	<0.50	<0.50	NR	NR	NR	<5.0	<50	NA	
E-4	06/11/02	<0.50	<0.50	5.0	23	120	<2.0	<2.0	<2.0	<2.0	81	87	
	10/07/02	<0.50	<0.50	<0.50	<0.50	<0.50	<2.0	<2.0	<2.0	<2.0	<50	59	
	12/23/02	<0.50	<0.50	<0.50	3.4	<5.0	NR	NR	NR	NR	<50	100	
	03/24/03	<0.50	<0.50	<0.50	<1.0	<5.0	NR	NR	NR	NR	<50	<50	
	06/13/03	<0.50	<0.50	<0.50	<1.0	<0.50	NR	NR	NR	NR	<50	<50	
	09/10/03	<0.50	<0.50	<0.50	<1.0	<0.50	NR	NR	NR	NR	<50	<50	
	11/26/03	<0.50	<0.50	<0.50	<1.0	<0.50	NR	NR	NR	NR	<50	84	b
	03/16/04	<0.50	<0.50	<0.50	<1.0	<0.50	NR	NR	NR	NR	<50	<50	
	05/19/04	<0.50	<0.50	<0.50	<1.0	<0.50	NR	NR	NR	NR	<50	<50	
	09/09/04	<0.50	<0.50	<0.50	<0.50	<0.50	NR	NR	NR	<5.0	<50	NA	
	12/09/04	<0.50	<0.50	<0.50	<0.50	<0.50	NR	NR	NR	<5.0	<50	NA	
	03/09/05	<0.50	<0.50	<0.50	<0.50	<0.50	NR	NR	NR	<5.0	<50	NA	

Table 4
Groundwater Analytical Data

Shell-Branded Service Station
1705 Berryessa Road, San Jose, California

	EPA Method	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8015M	
Sample Location	Date Sampled	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MtBE (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	TBA (µg/L)	TPPH (µg/L)	TEPH (µg/L)	Notes:

TPPH = Total purgeable petroleum hydrocarbons
TEPH = Total extractable petroleum hydrocarbons
µg/L = Micrograms per liter
NR = Not required
MtBE = Methyl tetr butyl ether
DIPE = Di-isopropyl ether
ETBE = Ethyl tert butyl ether
TAME = Tertiary amyl methyl ether
TBA = Tert butyl alcohol
TBA = Not Analyzed

Notes: Data is collected more frequently than required by Permit for system performance purposes. Influent and effluent data required by the permit (from Table 1) is designated with the sampling date in **bold font.**

a = Hydrocarbons reported as diesel do not exhibit typical diesel chromatographic pattern. There is no actual "diesel fuel" present in the samples above the method reporting limit. The peaks that were detected do not resemble any common petroleum fuel hydrocarbon and are most likely present due to a non-petroleum fuel source.

b = Hydrocarbons reported as diesel do not exhibit typical diesel chromaograhic pattern.

c = Laboratory reports <2.5 µg/L 1,2-dichloroethane and <250 µg/L ethanol.

d = For TPPH and TEPH, chromatographic pattern indicates the presence of an unidentified hydrocarbon/does not match laboratory standard.

e = Hydrocarbon reported in the gasoline range does not match the laboratory's gasoline standard.

f = Laboratory reports that the sample was extracted for analysis out of hold time.

g = Laboratory originally reported 91 ppb influent and 160 ppb effluent, and after these results were transmitted to the RWQCB, the laboratory issued a correction that the results were due to lab contamination from a previous analyzed sample.

h = Confirmation sampling performed within one day of discovery of deisel in the system effluent

Table 5
Groundwater Discharge Data

Shell-Branded Service Station
1705 Berryessa Road, San Jose, California

Date	Well E-1 Totalizer (gallons)	Well E-2 Totalizer (gallons)	Well E-3 Totalizer (gallons)	Well E-4 Totalizer (gallons)	System Totalizer (gallons)	Net Discharge (gallons)	Average Flow Rate (gpm)	Average Flow Rate (gpd)	Comments
07/09/02	184	190	75	709	5,757	NA	NA	NA	Day 1 sampling
07/14/02	2,310	277	18,859	1,921	27,810	22,053	3.1	4,411	Day 5 sampling
07/22/02	7,390	647	64,243	4,958	81,936	54,126	4.7	6,766	
07/29/02	13,019	1,024	119,552	7,746	146,230	64,294	6.4	9,185	
08/02/02	13,034	1,034	120,908	7,819	147,569	1,339	0.2	335	Shutdown for carbon changeout
09/05/02	13,034	1,034	163,919	7,820	148,330	761	0.0	22	Restarted 9/5/02
09/16/02	21,894	1,690	182,690	8,681	201,752	53,422	3.4	4,857	Monthly sampling
09/23/02	27,418	2,093	NA	9,211	226,785	25,033	2.5	3,576	
09/30/02	27,530	2,110	200,190	9,240	227,170	385	0.0	55	
10/07/02	33,130	2,500	200,190	9,790	250,790	23,620	2.3	3,374	
10/14/02	38,280	2,890	214,460	10,310	271,220	20,430	2.0	2,919	
10/22/02	43,820	3,340	229,230	10,900	292,410	21,190	1.8	2,649	Quarterly sampling
10/28/02	47,949	3,700	239,897	11,350	308,015	15,605	1.8	2,601	
11/04/02	52,586	3,718	251,536	11,874	324,955	16,940	1.7	2,420	
11/12/02	57,789	3,777	265,481	12,495	345,358	20,403	1.8	2,550	Monthly sampling
11/20/02	62,860	4,080	279,190	13,130	365,400	20,042	1.7	2,505	
11/26/02	66,600	4,280	288,490	13,600	378,950	13,550	1.6	2,258	
12/04/02	67,865	4,356	291,557	13,764	383,360	4,410	0.4	551	Operation not possible-power loss
01/08/03	69,710	4,360	291,550	14,890	386,680	3,320	0.1	95	System restarted 1/6
01/14/03	74,690	4,360	322,730	16,060	424,180	37,500	4.3	6,250	
01/22/03	81,241	4,361	353,487	17,131	463,070	38,890	3.4	4,861	
01/29/03	86,542	4,361	374,515	17,838	490,092	27,022	2.7	3,860	
02/06/03	92,308	4,361	394,812	18,565	517,106	27,014	2.3	3,377	
02/12/03	96,582	4,361	408,461	19,105	535,692	18,586	2.2	3,098	
02/19/02	101,393	4,361	423,072	19,720	555,906	20,214	2.0	2,888	
02/26/03	106,240	4,361	437,790	20,364	576,291	20,385	1.0	1,456	
03/05/03	111,058	4,361	454,593	21,069	598,799	22,508	2.2	3,215	
03/13/03	116,581	4,361	472,590	21,862	623,330	24,531	2.1	3,066	
03/18/03	119,901	4,361	483,896	22,357	638,627	15,297	2.1	3,059	
03/27/03	125,704	4,361	504,061	23,249	665,995	27,368	2.1	3,041	Shutdown for evaluation
05/07/03	125,743	4,361	504,155	23,265	666,038	43	0.0	1	System restarted
05/14/03	131,309	4,361	539,518	25,457	709,746	43,708	4.3	6,244	
05/22/03	134,645	4,361	558,839	26,678	733,850	24,104	2.1	3,013	System found down; reset 5/20
05/28/03	140,030	4,361	585,720	28,100	767,830	33,980	3.9	5,663	Shutdown for carbon changeout
07/11/03	140,070	4,361	585,860	28,130	768,520	690	0.0	16	System restarted
07/15/03	143,640	4,600	610,640	29,210	798,000	29,480	5.1	7,370	
07/18/03	146,340	4,780	627,310	29,890	818,170	20,170	4.7	6,723	
07/23/03	150,720	5,070	653,510	31,110	850,160	31,990	4.4	6,398	
07/31/03	156,750	5,490	689,790	32,960	894,940	44,780	3.9	5,598	
08/02/03	159,220	5,680	704,970	33,790	913,430	18,490	6.4	9,245	Shutdown for carbon changeout
08/19/03	159,220	5,680	704,970	33,790	913,430	-	-	-	System restarted
08/21/03	160,920	5,870	718,180	34,620	930,260	16,830	5.8	8,415	
08/28/03	167,260	6,460	762,130	36,910	983,520	53,260	5.3	7,609	
09/04/03	173,250	6,970	803,260	39,200	1,033,230	49,710	4.9	7,101	
09/11/03	179,130	7,490	844,030	41,550	1,082,760	49,530	4.9	7,076	Shutdown for carbon changeout
09/19/03	179,130	7,490	844,030	41,550	1,082,760	-	-	-	System restarted
09/25/03	184,600	8,040	886,440	44,140	1,134,960	52,200	6.0	8,700	
09/29/03	188,300	8,390	913,720	45,770	1,167,440	32,480	5.6	8,120	
10/09/03	196,300	9,200	973,080	49,680	1,239,830	72,390	5.0	7,239	
10/14/03	197,280	9,330	973,110	50,460	1,241,720	1,890	0.3	378	Shutdown for carbon changeout
~~12/18/03~~	~~197,280~~	~~9,330~~	~~973,110~~	~~50,460~~	~~1,241,720~~	~~-~~	~~-~~	~~-~~	~~System restarted~~
12/23/03	199,800	10,070	991,020	54,150	1,268,280	26,560	3.7	5,312	
12/29/03	203,806	11,270	1,019,860	60,050	1,308,060	39,780	4.6	6,630	
01/06/04	203,970	11,330	1,020,170	60,200	1,308,920	860	0.1	108	
01/13/04	204,000	11,350	1,020,250	60,250	1,309,360	440	0.0	63	
01/22/04	213,820	15,250	1,088,880	74,460	1,405,860	96,500	7.4	10,722	
01/29/04	214,690	15,590	1,095,220	75,550	1,414,410	8,550	0.8	1,221	
02/05/04	219,140	17,540	1,127,400	81,990	1,459,950	45,540	4.5	6,506	

Table 5
Groundwater Discharge Data

Shell-Branded Service Station
1705 Berryessa Road, San Jose, California

Date	Well E-1 Totalizer (gallons)	Well E-2 Totalizer (gallons)	Well E-3 Totalizer (gallons)	Well E-4 Totalizer (gallons)	System Totalizer (gallons)	Net Discharge (gallons)	Average Flow Rate (gpm)	Average Flow Rate (gpd)	Comments
02/12/04	223,810	19,870	1,160,980	89,280	1,507,640	47,690	4.7	6,813	
02/19/04	228,430	22,110	1,193,110	96,440	1,553,730	46,090	4.6	6,584	Shutdown for carbon changeout
03/05/04	228,430	22,110	1,193,110	96,440	1,555,640	1,910	0.1	127	System restarted
03/09/04	232,560	24,760	1,221,260	104,280	1,598,900	43,260	7.5	10,815	
03/17/04	240,530	29,810	1,279,880	118,400	1,684,370	85,470	7.4	10,684	
03/25/04	244,090	32,040	1,306,940	121,530	1,723,330	38,960	3.4	4,870	
03/30/04	249,030	35,750	1,306,940	135,590	1,744,590	21,260	3.0	4,252	
04/07/04	256,290	41,890	1,306,950	136,590	1,758,050	13,460	1.2	1,683	
04/15/04	263,450	48,550	1,306,950	136,590	1,772,130	14,080	1.2	1,760	
04/21/04	268,260	53,060	1,306,950	151,590	1,796,480	24,350	2.8	4,058	
04/28/04	274,040	58,760	1,306,950	155,230	1,811,980	15,500	1.5	2,214	
05/06/04	280,620	65,790	1,306,950	155,230	1,825,630	13,650	1.2	1,706	
05/12/04	284,960	70,360	1,306,950	172,240	1,852,030	26,400	3.1	4,400	
05/19/04	290,170	75,880	1,306,950	190,530	1,881,200	29,170	2.9	4,167	
05/26/04	295,510	82,540	1,306,950	209,000	1,911,620	30,420	3.0	4,346	
06/02/04	300,820	88,630	1,306,950	226,270	1,940,270	28,650	2.8	4,093	
06/09/04	305,870	94,460	1,306,950	242,250	1,967,100	26,830	2.7	3,833	
06/15/04	310,360	99,840	1,306,950	246,410	1,981,150	14,050	1.6	2,342	
06/24/04	311,980	101,700	1,306,950	252,800	1,990,700	9,550	0.7	1,061	
06/30/04	316,810	106,780	1,306,950	269,920	2,017,900	27,200	3.1	4,533	
07/07/04	322,330	112,490	1,306,950	287,580	2,047,110	29,210	2.9	4,173	
07/14/04	324,640	114,970	1,306,950	296,680	2,061,440	14,330	1.4	2,047	
07/22/04	330,620	118,300	1,306,950	320,150	2,094,070	32,630	2.8	4,079	
07/27/04	334,290	118,300	1,306,950	334,380	2,112,230	18,160	2.5	3,632	
08/04/04	339,730	118,300	1,306,950	346,890	2,130,320	18,090	1.6	2,261	
08/11/04	344,700	118,300	1,306,950	369,570	2,157,860	27,540	2.7	3,934	
08/18/04	349,300	122,310	1,306,950	375,870	2,172,920	15,060	1.5	2,151	
08/25/04	354,150	122,310	1,306,950	375,870	2,177,930	5,010	0.5	716	
09/02/04	359,450	127,980	1,306,950	398,850	2,212,300	34,370	3.0	4,296	
09/09/04	364,000	132,210	1,306,950	416,560	2,239,030	26,730	2.7	3,819	
09/15/04	368,040	136,030	1,306,950	432,470	2,263,020	23,990	2.8	3,998	
09/21/04	371,970	139,680	1,306,950	446,880	2,285,280	22,260	2.6	3,710	
09/29/04	377,000	144,430	1,306,950	465,450	2,314,460	29,180	2.5	3,648	
10/08/04	382,320	149,870	1,306,950	485,990	2,346,260	31,800	2.5	3,533	
10/13/04	385,340	152,980	1,306,950	497,530	2,364,030	17,770	2.5	3,554	
10/19/04	388,850	156,480	1,306,950	510,790	2,384,460	20,430	2.4	3,405	
10/26/04	389,270	156,940	1,306,950	512,480	2,387,140	2,680	0.3	383	
11/02/04	389,350	157,050	1,306,950	512,820	2,387,910	770	0.1	110	
11/08/04	393,340	161,700	1,306,950	531,970	2,415,810	27,900	3.2	4,650	
11/18/04	395,640	164,210	1,306,950	542,650	2,431,300	15,490	1.1	1,549	
11/22/04	398,100	166,920	1,306,950	554,280	2,448,440	17,140	3.0	4,285	
11/30/04	402,830	171,720	1,306,950	575,490	2,479,340	30,900	2.7	3,863	
12/07/04	406,870	175,590	1,306,950	592,110	2,503,940	24,600	2.4	3,514	
12/14/04	410,880	179,610	1,306,950	609,100	2,529,040	25,100	2.5	3,586	
12/21/04	415,110	183,580	1,306,950	625,120	2,553,680	24,640	2.4	3,520	
12/29/04	418,750	186,750	1,306,950	637,730	2,572,980	19,300	1.7	2,413	
01/04/05	422,960	190,900	1,306,950	661,050	2,605,250	32,270	3.7	5,378	
01/11/05	427,720	190,900	1,306,950	687,620	2,636,860	31,610	3.1	4,516	
01/19/05	433,170	190,900	1,306,950	710,680	2,665,550	28,690	2.5	3,586	
01/24/05	436,460	190,900	1,306,950	710,680	2,668,830	3,280	0.5	656	
~~02/01/05~~	~~441,040~~	~~196,450~~	~~1,306,950~~	~~741,160~~	~~2,709,530~~	~~40,700~~	~~3.5~~	~~5,088~~	
02/09/05	446,420	203,010	1,306,950	771,200	2,751,880	42,350	3.7	5,294	
02/16/05	451,070	203,450	1,306,950	797,300	2,783,170	31,290	3.1	4,470	
02/23/05	455,670	203,450	1,306,950	828,600	2,819,380	36,210	3.6	5,173	
03/01/05	460,050	211,210	1,306,950	854,990	2,858,270	38,890	4.5	6,482	
03/08/05	463,200	216,430	1,306,950	873,400	2,885,380	27,110	2.7	3,873	
03/15/05	468,760	225,140	1,306,950	909,540	2,935,960	50,580	5.0	7,226	
03/22/05	473,350	232,210	1,306,950	937,080	2,975,450	39,490	3.9	5,641	

Table 5
Groundwater Discharge Data

Shell-Branded Service Station
1705 Berryessa Road, San Jose, California

Date	Well E-1 Totalizer (gallons)	Well E-2 Totalizer (gallons)	Well E-3 Totalizer (gallons)	Well E-4 Totalizer (gallons)	System Totalizer (gallons)	Net Discharge (gallons)	Average Flow Rate (gpm)	Average Flow Rate (gpd)	Comments
03/29/05	478,330	240,730	1,306,950	968,640	3,020,980	45,530	4.5	6,504	
04/05/05	NA	NA	NA	NA	3,022,000	1,020	0.1	146	System shut down for electrical repairs
04/17/05	NA	NA	NA	NA	3,022,000	-	-	-	System restarted
04/19/05	480,820	243,720	1,306,950	979,040	3,036,040	14,040	4.9	7,020	
04/27/05	486,020	254,020	1,306,950	1,020,900	3,093,990	57,950	5.0	7,244	
05/03/05	490,600	261,490	1,306,950	1,048,080	3,134,300	40,310	4.7	6,718	
05/13/05	496,390	211,320	1,306,950	1,083,470	3,185,680	51,380	3.6	5,138	System Shutdown
08/24/05	496,500	271,500	1,306,950	1,084,120	3,187,110	1,430	0.0	14	System Shutdown - All Well Pumps Removed
TOTAL DISCHARGE / FLOW RATE FOR FOURTH QUARTER 2005:						-	-	-	
TOTAL DISCHARGE / FLOW RATE FOR PREVIOUS 12 MONTHS:						**614,130**	**1.8**	**2,580**	
TOTAL DISCHARGE / FLOW RATE SINCE SYSTEM STARTUP:						**3,181,353**	**2.1**	**3,092**	
Maximum Authorized Flow Rate							10.0	14,400	

gpm = Gallons per minute gpd = Gallons per day NA = Not applicable or not available

Note: = Net discharge and average flow rate calculated using System Totalizer data.

Table 6
Operation and Mass Removal Data

Shell-Branded Service Station
1705 Berryessa Road, San Jose, California

Date	Hour Meter (hours)	Percent Up-Time Net	Percent Up-Time Cumulative	Net Discharge (gallons)	Influent Concentrations TPPH (µg/L)	TEPH (µg/L)	Benzene (µg/L)	MtBE (µg/L)	TBA (µg/L)	Net Mass Removed TPPH (pounds)	TEPH (pounds)	Benzene (pounds)	MtBE (pounds)	TBA (pounds)
07/09/02	6	NA	NA	NA	<50	<50	<0.50	<0.50	<50	-	-	-	NA	NA
07/14/02	98	77%	82%	22,053	<1,000	<50	<0.50	**3,300**	**1,200**	-	-	-	0.6	0.2
07/22/02	202	54%	65%	54,126	<1,000	<50	<10	**650**	**140**	-	-	-	0.3	0.1
07/29/02	372	101%	78%	64,294	<1,000	<50	<11	**300**	**70**	-	-	-	0.2	0.0
08/02/02	377	5%	65%	1,339	<1,000	<50	<12	300	70	-	-	-	0.0	0.0
09/05/02	378	0%	27%	761	<1,000	<50	<13	**390**	<50	-	-	-	0.0	0.0
09/16/02	639	99%	39%	53,422	<50	<50	<0.50	**330**	<50	-	-	-	0.1	-
09/23/02	709	42%	39%	25,033	<50	<50	<0.50	**180**	<5.0	-	-	-	0.0	-
09/30/02	781	43%	39%	385	<50	<50	<0.50	**42**	<5.0	-	-	-	0.0	-
10/07/02	1,144	216%	53%	23,620	<50	<50	<0.50	**240**	<5.0	-	-	-	0.0	-
10/14/02	1,312	100%	56%	20,430	<50	<50	<0.50	**160**	<5.0	-	-	-	0.0	-
10/22/02	1,504	100%	60%	21,190	<50	<50	<0.50	**110**	<5.0	-	-	-	0.0	-
10/28/02	1,650	102%	62%	15,605	<50	<50	<0.50	**54**	<5.0	-	-	-	0.0	-
11/04/02	1,819	101%	64%	16,940	<50	<50	<0.50	**23**	<5.0	-	-	-	0.0	-
11/12/02	2,010	99%	66%	20,403	<50	<50	<0.50	**29**	<5.0	-	-	-	0.0	-
11/20/02	2,200	99%	68%	20,042	<50	<50	<0.50	**6**	<5.0	-	-	-	0.0	-
11/26/02	2,344	100%	70%	13,550	<50	<50	<0.50	<5.0	<5.0	-	-	-	-	-
12/04/02	2,393	26%	67%	4,410	**170**	<50	<0.50	**0.62**	<5.0	0.0	-	-	0.0	-
01/08/03	2,441	6%	56%	3,320	<50	<50	<0.50	**17**	<5.0	-	-	-	0.0	-
01/14/03	2,585	100%	57%	37,500	<50	<50	<0.50	**190**	<5.0	-	-	-	0.1	-
01/22/03	2,782	103%	59%	38,890	<50	<50	<0.50	190	<5.0	-	-	-	0.1	-
01/29/03	2,949	99%	60%	27,022	<50	<50	<0.50	190	<5.0	-	-	-	0.0	-
02/06/03	3,139	99%	62%	27,014	<50	<50	<0.50	**16**	<5.0	-	-	-	0.0	-
02/12/03	3,282	100%	63%	18,586	<50	<50	<0.50	16	<5.0	-	-	-	0.0	-
02/19/03	3,450	100%	64%	20,214	<50	<50	<0.50	16	<5.0	-	-	-	0.0	-
02/26/03	3,618	100%	65%	20,385	<50	<50	<0.50	16	<5.0	-	-	-	0.0	-
03/05/03	3,784	99%	66%	22,508	<50	<50	<0.50	**16**	<2.0	-	-	-	0.0	-
03/13/03	3,982	103%	67%	24,531	<50	<50	<0.50	16	<2.0	-	-	-	0.0	-
03/18/03	4,101	99%	68%	15,297	<50	<50	<0.50	16	<2.0	-	-	-	0.0	-
03/27/03	4,313	98%	69%	27,368	<50	<50	<0.50	16	<2.0	-	-	-	0.0	-
05/07/03	4,313	0%	60%	43	<50	<50	<0.50	**9.1**	<5.0	-	-	-	0.0	-
05/14/03	4,483	101%	60%	43,708	**140**	<50	<0.50	**190**	**190**	0.1	-	-	0.1	0.1
05/21/03	4,553	42%	60%	24,104	140	<50	<0.50	**380**	**200**	0.0	-	-	0.1	0.0
05/28/03	4,728	104%	61%	33,980	140	<50	<0.50	380	200	0.0	-	-	0.1	0.1
07/11/03	4,728	0%	54%	690	140	<50	<0.50	380	200	0.0	-	-	0.0	0.0
07/18/03	4,892	98%	55%	49,650	<250	<50	<2.5	**320**	**210**	-	-	-	0.1	0.1
07/23/03	5,012	100%	55%	31,990	<250	<50	<2.5	320	210	-	-	-	0.1	0.1
07/31/03	5,180	88%	56%	44,780	<250	<50	<2.5	**120**	**85**	-	-	-	0.0	0.0
08/06/03	5,250	49%	56%	18,490	<250	<50	<2.5	120	85	-	-	-	0.0	0.0
08/21/03	5,293	12%	54%	16,830	<250	<50	<2.5	**250**	**1,700**	-	-	-	0.0	0.2
08/28/03	5,466	103%	55%	53,260	<50	<50	<0.50	**100**	**420**	-	-	-	0.0	0.2
09/04/03	5,633	99%	56%	49,710	<50	<50	<0.50	**57**	**200**	-	-	-	0.0	0.1
09/11/03	5,801	100%	56%	49,530	<50	<50	<0.50	**61**	**140**	-	-	-	0.0	0.1
09/25/03	5,946	43%	56%	52,200	<50	<50	<0.50	**57**	**290**	-	-	-	0.0	0.1
09/29/03	6,046	104%	56%	32,480	<50	<50	<0.50	57	290	-	-	-	0.0	0.1
10/09/03	6,269	93%	57%	72,390	<50	<50	<0.50	**31**	**92**	-	-	-	0.0	0.1
10/14/03	6,292	19%	57%	1,890	<50	<50	<0.50	31	92	-	-	-	0.0	0.0
12/18/03	6,292	0%	50%	-	NR	NR	NR	**66**	**1,200**	-	-	-	-	-
12/23/03	6,350	48%	50%	26,560	NR	NR	NR	66	1,200	-	-	-	0.0	0.3
12/29/03	6,442	64%	50%	39,780	<50	<50	<0.50	**47**	<5.0	-	-	-	0.0	-
01/06/04	6,443	1%	49%	860	<50	<50	<0.50	**26**	<5.0	-	-	-	0.0	-
01/13/04	6,443	0%	49%	440	<50	<50	<0.50	**130**	**970**	-	-	-	0.0	0.0
01/22/04	6,663	102%	49%	96,500	<50	<50	<0.50	**110**	**500**	-	-	-	0.1	0.4
01/29/04	6,683	12%	49%	8,550	<50	<50	<0.50	110	500	-	-	-	0.0	0.0
02/05/04	6,788	63%	49%	45,540	<50	<50	<0.50	**6.6**	<5.0	-	-	-	-	-

Table 6
Operation and Mass Removal Data

Shell-Branded Service Station
1705 Berryessa Road, San Jose, California

Date	Hour Meter (hours)	Percent Up-Time Net	Percent Up-Time Cumulative	Net Discharge (gallons)	Influent Concentrations TPPH (µg/L)	TEPH (µg/L)	Benzene (µg/L)	MtBE (µg/L)	TBA (µg/L)	Net Mass Removed TPPH (pounds)	TEPH (pounds)	Benzene (pounds)	MtBE (pounds)	TBA (pounds)
02/12/04	6,899	66%	49%	47,690	<50	<50	<0.50	**32**	**93**	-	-	-	0.0	0.0
02/19/04	7,005	63%	49%	46,090	<50	<50	<0.50	**31**	**160**	-	-	-	0.0	0.1
03/05/04	7,005	0%	48%	1,910	-	-	-	-	-	-	-	-	-	-
03/09/04	7,098	97%	49%	43,260	<50	<50	<0.50	**110**	**390**	-	-	-	0.0	0.1
03/17/04	7,293	102%	49%	85,470	**52**	<50	<5.0	**46**	**240**	0.0	-	-	0.0	0.2
03/25/04	7,383	47%	49%	38,960	52	<50	<5.0	**21**	<5.0	0.0	-	-	0.0	-
03/30/04	7,505	102%	50%	21,260	52	<50	<5.0	21	<5.0	0.0	-	-	0.0	-
04/07/04	7,694	98%	50%	13,460	52	<50	<5.0	**17**	<5.0	0.0	-	-	0.0	-
04/15/04	7,890	102%	51%	14,080	<50	<50	<0.50	**15**	<5.0	-	-	-	0.0	-
04/21/04	8,027	95%	51%	24,350	<50	<50	<0.50	**15**	<5.0	-	-	-	0.0	-
04/28/04	8,194	99%	52%	15,500	<50	<50	<0.50	**17**	<5.0	-	-	-	0.0	-
05/06/04	8,393	104%	52%	13,650	<50	<50	<0.50	**8.5**	<5.0	-	-	-	0.0	-
05/12/04	8,530	95%	53%	26,400	<50	<50	<0.50	8.5	<5.0	-	-	-	0.0	-
05/19/04	8,696	99%	53%	29,170	<50	<50	<0.50	8.5	<5.0	-	-	-	0.0	-
05/26/04	8,868	102%	54%	30,420	<50	<50	<0.50	8.5	<5.0	-	-	-	0.0	-
06/02/04	9,039	102%	54%	28,650	<50	<50	<0.50	**1.6**	<5.0	-	-	-	0.0	-
06/09/04	9,202	97%	55%	26,830	<50	<50	<0.50	1.6	<5.0	-	-	-	0.0	-
06/15/04	9,349	102%	55%	14,050	<50	<50	<0.50	1.6	<5.0	-	-	-	0.0	-
06/24/04	9,401	24%	55%	9,550	<50	<50	<0.50	1.6	<5.0	-	-	-	0.0	-
06/30/04	9,541	97%	55%	27,200	<50	<50	<0.50	1.6	<5.0	-	-	-	0.0	-
07/07/04	9,708	99%	55%	29,210	<50	<50	<0.50	1.6	<5.0	-	-	-	0.0	-
07/14/04	9,775	40%	55%	14,330	<50	<50	<0.50	**3.5**	<5.0	-	-	-	0.0	-
07/22/04	9,966	99%	56%	32,630	<50	<50	<0.50	3.5	<5.0	-	-	-	0.0	-
07/27/04	10,091	104%	56%	18,160	<50	<50	<0.50	3.5	<5.0	-	-	-	0.0	-
08/04/04	10,280	98%	57%	18,090	<50	<50	<0.50	3.5	<5.0	-	-	-	0.0	-
08/11/04	10,451	102%	57%	27,540	**69**	<50	<0.50	**17**	**130**	0.0	-	-	0.0	0.0
08/18/04	10,619	100%	57%	15,060	69	<50	<0.50	17	130	0.0	-	-	0.0	0.0
08/25/04	10,790	102%	58%	5,010	69	<50	<0.50	17	130	0.0	-	-	0.0	0.0
09/02/04	10,980	99%	58%	34,370	69	<50	<0.50	17	130	0.0	-	-	0.0	0.0
09/09/04	11,145	98%	59%	26,730	<50	<50	<0.50	**3.2**	<5.0	-	-	-	0.0	-
09/15/04	11,294	103%	59%	23,990	<50	<50	<0.50	3.2	<5.0	-	-	-	0.0	-
09/21/04	11,438	100%	59%	22,260	<50	<50	<0.50	3.2	<5.0	-	-	-	0.0	-
09/29/04	11,628	99%	60%	29,180	<50	<50	<0.50	3.2	<5.0	-	-	-	0.0	-
10/08/04	11,840	98%	60%	31,800	<50	**84**	<0.50	<5.0	<5.0	-	0.0	-	-	-
10/13/04	11,961	101%	60%	17,770	<50	84	<0.50	<5.0	<5.0	-	0.0	-	-	-
10/19/04	12,104	99%	61%	20,430	<50	84	<0.50	<5.0	<5.0	-	0.0	-	-	-
10/26/04	12,120	10%	60%	2,680	<50	84	<0.50	<5.0	<5.0	-	0.0	-	-	-
11/02/04	12,122	1%	60%	770	<50	<50	<0.50	**4.6**	**38**	-	-	-	0.0	0.0
11/08/04	12,272	104%	60%	27,900	<50	<50	<0.50	4.6	38	-	-	-	0.0	0.0
11/18/04	12,364	38%	60%	15,490	<50	<50	<0.50	4.6	38	-	-	-	0.0	0.0
11/22/04	12,457	97%	60%	17,140	<50	<50	<0.50	4.6	38	-	-	-	0.0	0.0
11/30/04	12,653	102%	60%	30,900	<50	<50	<0.50	4.6	38	-	-	-	0.0	0.0
12/07/04	12,820	99%	61%	24,600	<50	<50	<0.50	<0.50	<5.0	-	-	-	-	-
12/14/04	12,987	99%	61%	25,100	<50	<50	<0.50	<0.50	<5.0	-	-	-	-	-
12/21/04	13,156	101%	61%	24,640	<50	<50	<0.50	<0.50	<5.0	-	-	-	-	-
12/29/04	13,296	73%	61%	19,300	<50	<50	<0.50	<0.50	<5.0	-	-	-	-	-
01/04/05	13,440	100%	62%	32,270	<50	<50	<0.50	<0.50	<5.0	-	-	-	-	-
01/11/05	13,606	99%	62%	31,610	<50	<50	<0.50	<0.50	<5.0	-	-	-	-	-
01/19/05	13,798	100%	62%	28,690	<50	<50	<0.50	<0.50	<5.0	-	-	-	-	-
01/24/05	13,918	100%	62%	3,280	<50	<50	<0.50	<0.50	<5.0	-	-	-	-	-
02/01/05	14,096	93%	63%	40,700	<50	<50	<0.50	<0.50	<5.0	-	-	-	-	-
02/09/05	14,289	101%	63%	42,350	<50	<50	<0.50	**1.3**	<5.0	-	-	-	0.0	-
02/16/05	14,462	103%	63%	31,290	<50	<50	<0.50	1.3	<5.0	-	-	-	0.0	-
02/23/05	14,621	95%	63%	36,210	<50	<50	<0.50	1.3	<5.0	-	-	-	0.0	-
03/01/05	14,766	101%	64%	38,890	<50	<50	<0.50	1.3	<5.0	-	-	-	0.0	-

Table 6
Operation and Mass Removal Data

Shell-Branded Service Station
1705 Berryessa Road, San Jose, California

Date	Hour Meter (hours)	Percent Up-Time Net	Percent Up-Time Cumulative	Net Discharge (gallons)	Influent Concentrations TPPH (µg/L)	Influent Concentrations TEPH (µg/L)	Influent Concentrations Benzene (µg/L)	Influent Concentrations MtBE (µg/L)	Influent Concentrations TBA (µg/L)	Net Mass Removed TPPH (pounds)	Net Mass Removed TEPH (pounds)	Net Mass Removed Benzene (pounds)	Net Mass Removed MtBE (pounds)	Net Mass Removed TBA (pounds)
03/08/05	14,867	60%	64%	27,110	<50	<50	<0.50	1.6	<5.0	-	-	-	0.0	-
03/15/05	15,041	104%	64%	50,580	<50	<50	<0.50	1.6	<5.0	-	-	-	0.0	-
03/22/05	15,201	95%	64%	39,490	<50	<50	<0.50	1.6	<5.0	-	-	-	0.0	-
03/29/05	15,372	102%	64%	45,530	<50	<50	<0.50	1.6	<5.0	-	-	-	0.0	-
04/05/05	15,395	14%	64%	1,020	<50	<50	<0.50	1.6	<5.0	-	-	-	0.0	-
04/17/05	15,395	0%	63%	-	<50	<50	<0.50	1.6	<5.0	-	-	-	-	-
04/19/05	15,443	100%	63%	14,040	<50	<50	<0.50	1.6	<5.0	-	-	-	0.0	-
04/27/05	15,631	98%	64%	57,950	<50	<50	<0.50	2	<5.0	-	-	-	0.0	-
05/03/05	15,781	104%	64%	40,310	<50	<50	<0.50	2	<5.0	-	-	-	0.0	-
05/13/05	16,014	97%	64%	-	<50	<50	<0.50	3	<5.0	-	-	-	-	-
ESTIMATED MASS REMOVED FOR FOURTH QUARTER 2005:										**-**	**-**	**-**	**0.0**	**-**
ESTIATED MASS REMOVED FOR YEAR 2005:										**-**	**-**	**-**	**0.0**	**-**
ESTIMATED MASS REMOVED SINCE SYSTEM START-UP:										**0.2**	**0.1**	**-**	**2.6**	**2.7**

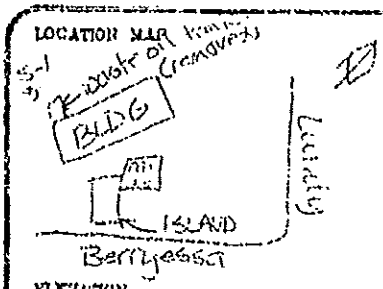
gpm = Gallons per minute
gpd = Gallons per day
NA = Not applicable or not available
TPPH = Total purgeable petroleum hydrocarbons
NR = Not required/not analyzed
TEPH = Total extractable petroleum hydrocarbons
MtBE = Methyl tert-butyl ether
µg/L = Micrograms per liter
TBA = Tertiary butyl alcohol, or t-butanol

Note: Sampling performed more frequently than required. Actual laboratory detections reported in **bold**. Previous reported concentration used if data is not availalble or not applicable.

APPENDIX C

BORING LOGS

LOCATION MAP (Show distance and direction from landmarks)



ELEVATION

PACIFIC ENVIRONMENTAL GROUP, INC. | PAGE | OF |

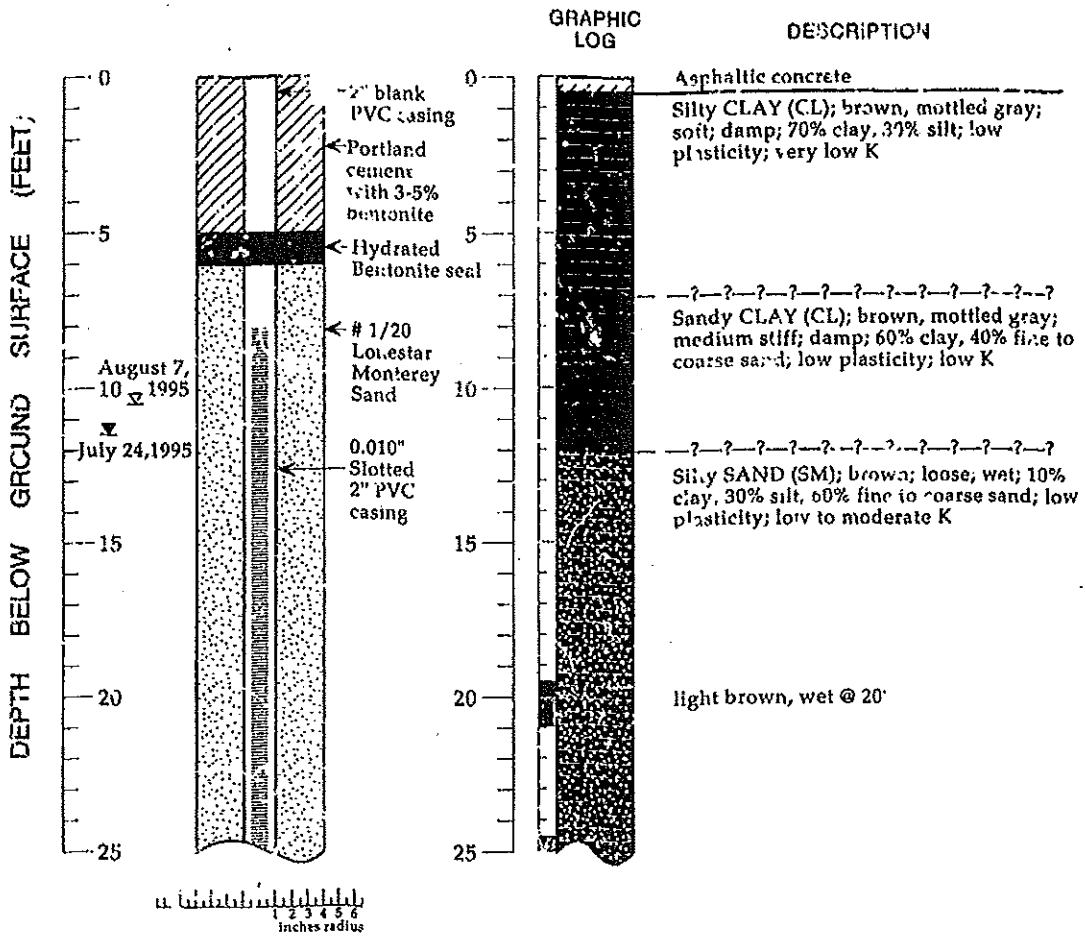
WELL/BORING NO. S-1
LOGGED BY: E.L.
DRILLED BY: B.C.
DRILLING METHOD: H.S.
SAMPLING METHOD: Calibred
CASING TYPE: Sch 40 PVC
WELL DEPTH: 35'
BLANK INTERVAL: 0-15' GRAVEL PACK: CA SEAL: Bent-Cone
SCREEN INTERVAL: 15-35' SCREEN DIAMETER: 3" SLOT SIZE: 0.020"

PROJECT NO. 100-78.01
CLIENT: BP Shell
DATE DRILLED: 9-1-87
LOCATION: Berryessa & Lundy St
HOLE DIAMETER: 8"
HOLE DEPTH: 35½'

MOISTURE	CONSIST	MOISTY		BLOWS/6"	DEPTH	SAMPLE NUMBER	GRAPHIC	USCS	LITHOLOGY / REMARKS	WELL COMPLETION
									Asphalt; sand; gravel fill	Concrete
Wet				P 35 42	2, 4, 6			CL	Clay; dark brown; mod plast.; trace silt; no product odor.	
Wet	Stf			4/6/8	3, 10, 12				@3½'; low plast; very silty; 10-20% fine to med sand; trace wood frags rootholes; no product odor	
Wet	Vst AND			4/8/12	14, 16			SC	@9'; brown, mottled gray; silty; 5-10% fine to med sand; trace fine gravel; NPO.	
DP	Stf			4/8/5	18, 20				@12'; driller felt softening formation	
Wet	Stf			4/5/6	22, 24, 26			CL	@14'; 20-30% fine to med sand 5-10% fine gravel; no product odor	
Wet	Stf			4/4/6	28, 30, 32				Clayey sand; gray, 20-30% low plast. fines; fine to med grained 15-25% coarse sand to fine gravel; NPO.	
Sat	Vst			3/8/9	34, 36				@17' driller felt gravel to 19'.	
									Clay; brown; low plast; very silty; 15-25% fine to crs sand, trace fine gravel. no product odor.	Ca sand
									@24'; as above; thin ½" sand interbeds, fine to med grained; moderate product odor.	
									@30'; as above; no interbeds, no product odor, trace organics.	
									@34'; 20-30% fine to med sand; 10-20% crs sand to crs gravel; NPO.	
									Bottom of boring at 35½'	

DRAFT

Monitoring S-2



EXPLANATION

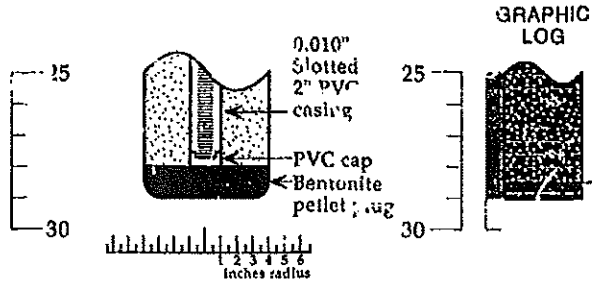
- Water level during drilling (date)
- Water level (date)
- Contact (dotted where approximate)
- Uncertain contact
- Gradational contact
- Location of recovered drive sample
- Location of drive sample sealed for chemical analysis
- Cutting sample
- K = Estimated hydraulic conductivity

Logged By: Faith M. Daverin
Supervisor: James W. Carmody; CEG 1576
Drilling Company: Gregg Drilling, Martinez, CA
License Number: C57-435165
Driller: Chris St. Pierre
Drilling Method: Hollow-stem auger
Date Drilled: July 24, 1995
Well Head Completion: 2" locking well plug, traffic rated vault
Type of Sampler: Split spoon (2" ID)
Ground Surface Elevation: 87.53 feet above mean sea level

Boring Log and Well Construction Details - Monitoring Well S-2 - Shell Service Station WIC# 204-6836-1801, 1705 Berryessa Road, San Jose, California

Monitoring Well S-2 (cont.)

DEPTH BELOW GROUND SURFACE (FEET)



DESCRIPTION

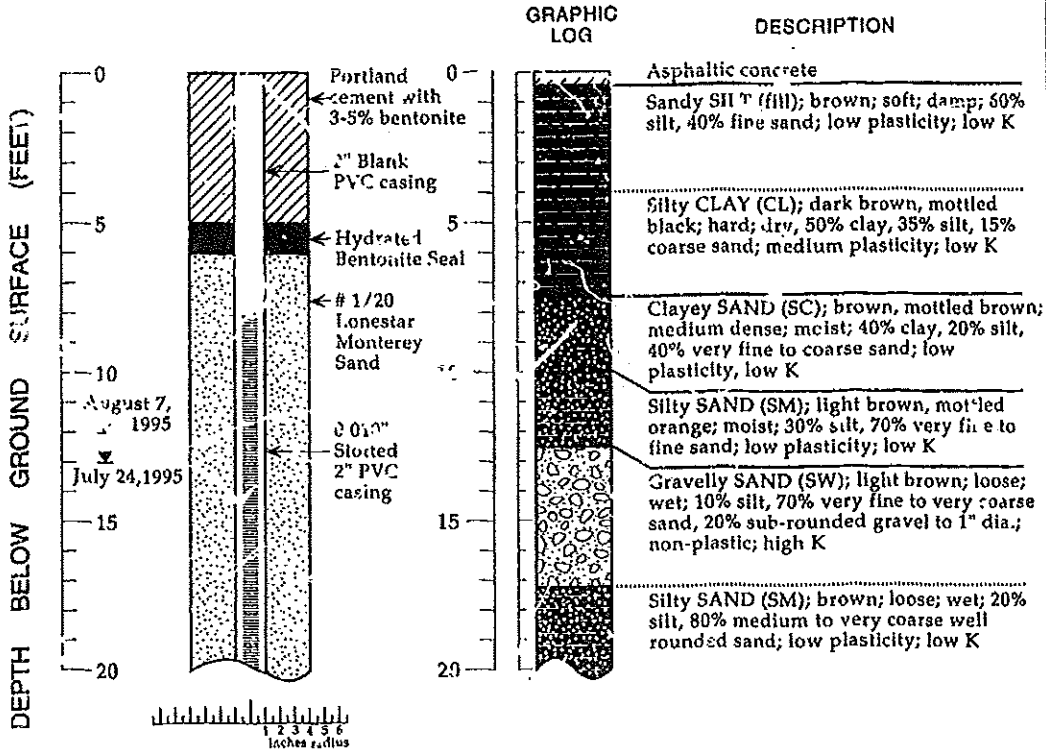
mottled orange; 30% silt, 60% very fine to fine sand, 10% coarse sand @ 25'

Sandy SILT (SM); dark brown; medium stiff; moist; 10% clay, 60% silt, 30% very fine to fine sand; low plasticity; low K

Boring Log and Well Construction Details - Monitoring Well S-2 - Shell Service Station WIC# 204-6836-1801, 1705 Berryessa Road, San Jose, California

WEISS ASSOCIATES

Monitoring Well S-3



EXPLANATION

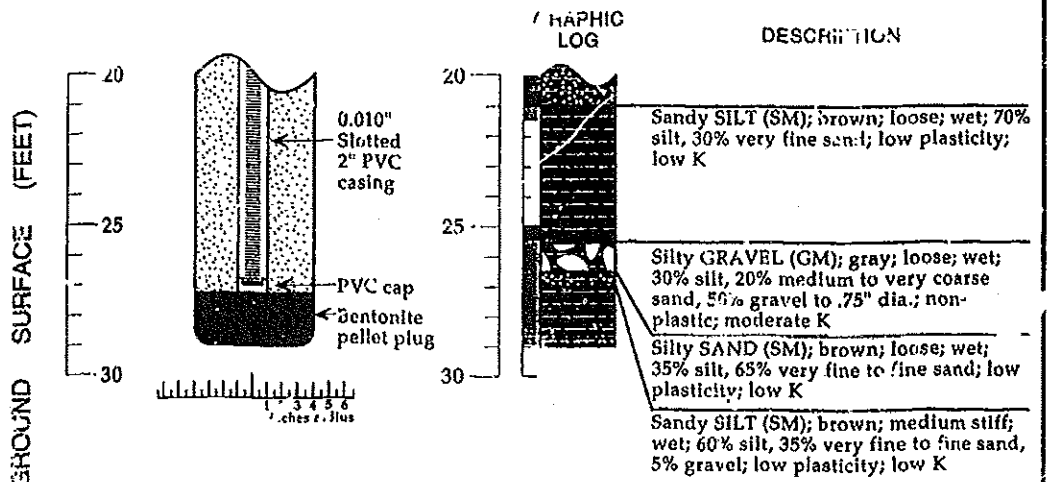
- Water level during drilling (date)
- Water level (date)
- Contact (dotted where approximate)
- Uncertain contact
- Gradational contact
- Location of recovered drive sample
- Location of drive sample sealed for chemical analysis
- Cutting sample
- K = Estimated hydraulic conductivity

Logged By: Faith M. Daverin
Supervisor: James W. Carmody; CEG 1576
Drilling Company: Gregg Drilling, Martinez, CA
License Number: C57-485165
Driller: Chris St. Pierre
Drilling Method: Hollow-stem auger
Date Drilled: July 24, 1995
Well Head Completion: Locking well plug, traffic rated vault
Type of Sampler: Split spoon (2" ID)
Ground Surface Elevation: 86.56 feet above mean sea level

Boring Log and Well Construction Details - Monitoring Well S-3 - Shell Service Station WIC# 204-6836-1801, 1705 Berryessa Road, San Jose, California

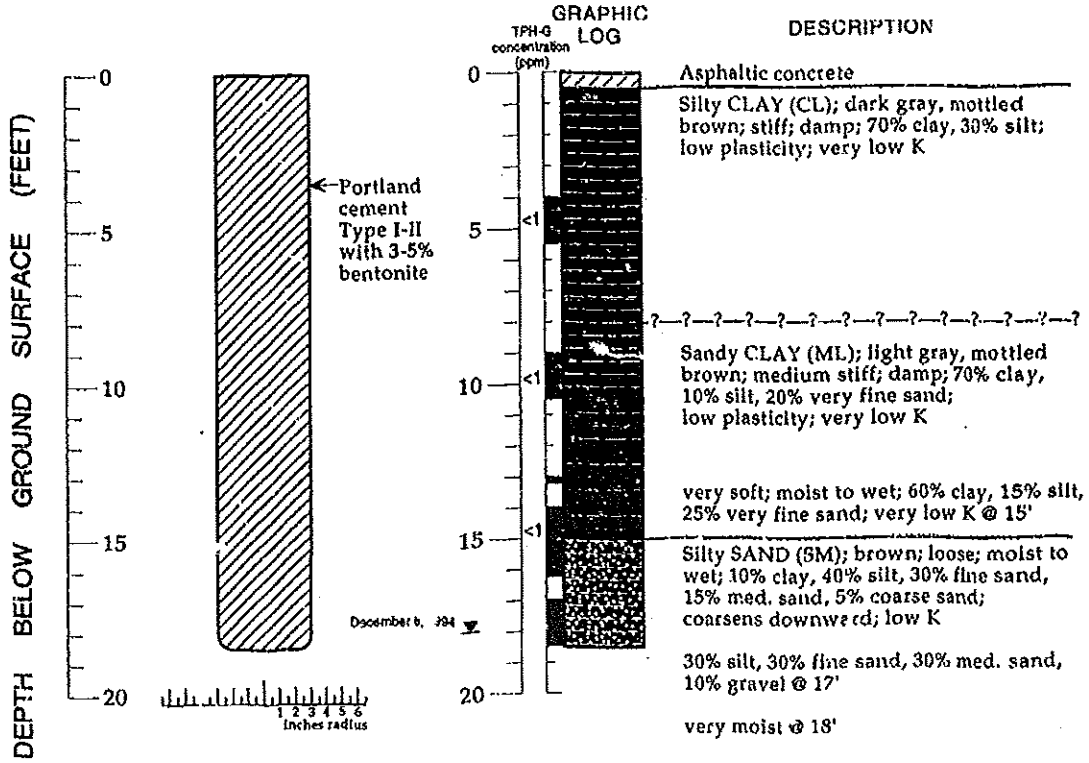
S71:-007.al 08/10/95

Monitoring Well S-3 (cont.)



Boring Log and Well Construction Details - Monitoring Well S-3 - Shell Service Station WIC# 204-6836-1801, 1705 Berryessa Road, San Jose, California

BH-1



EXPLANATION

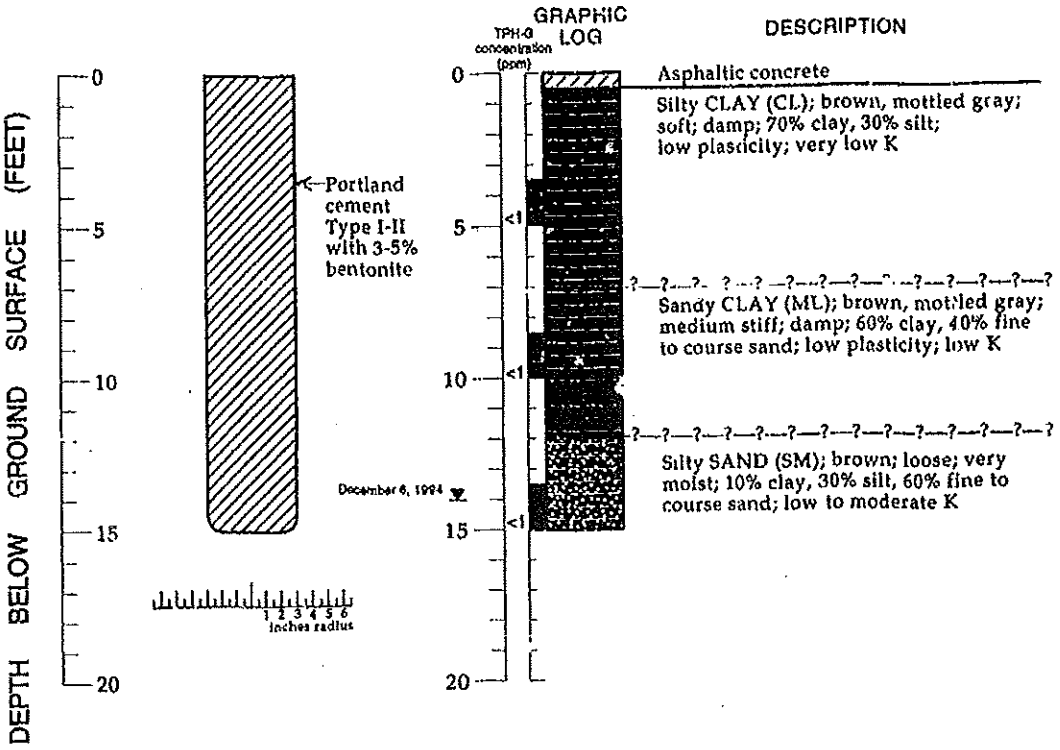
- Water level during drilling (date)
- Water level (date)
- Contact (dotted where approximate)
- —?—?— Uncertain contact
- Gradational contact
- Location of recovered drive sample
- Location of drive sample sealed for chemical analysis
- Cutting sample
- K = Estimated hydraulic conductivity

Logged By: Faith Daverin
Supervisor: James W. Carmody; CEG 1576
Drilling Company: Gregg Drilling, Pacheco, CA
License Number: C57-485165
Driller: Marvin Hoover
Drilling Method: 6" Hollow-stem auger
Date Drilled: December 6, 1994
Type of Sampler: 2" Split Spoon
TPH-G: Total petroleum hydrocarbon as gasoline in soil by modified EPA Method 8015

Log of Boring BH-1 - Shell Service Station WIC # 204-6936-1801, 1705 Berryessa Road, San Jose, California

WEISS ASSOCIATES

BH-2



EXPLANATION

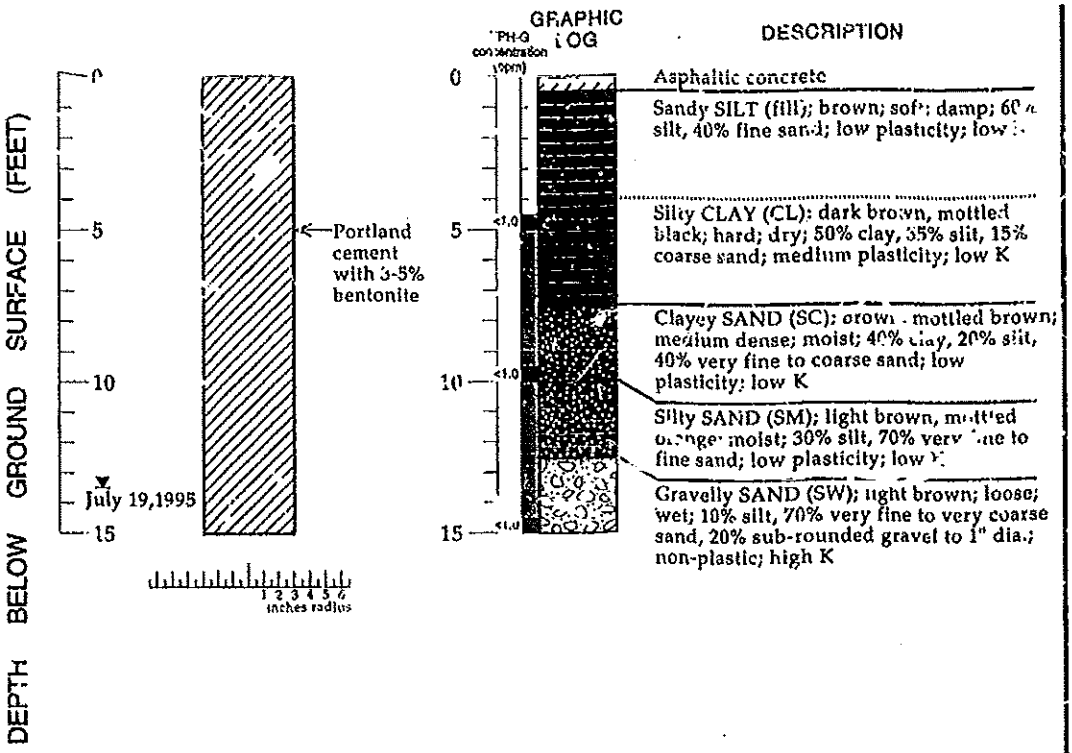
- Water level during drilling (date)
- Water level (date)
- Contact (dotted where approximate)
- Uncertain contact
- Gradational contact
- Location of recovered drive sample
- Location of drive sample sealed for chemical analysis
- Cutting sample
- K = Estimated hydraulic conductivity

Logged By: Faith Daverin
Supervisor: James W. Carmody; CEG 1576
Drilling Company: Gregg Drilling, Pacheco, CA
License Number: C57-485165
Driller: Marvin Hoover
Drilling Method: 6" Hollow-stem auger
Date Drilled: December 6, 1994
Type of Sampler: 2" Split Spoon
TPH-G: Total petroleum hydrocarbon as gasoline in soil by modified EPA Method 8015

Log of Boring BH-2 - Shell Service Station WIC # 204-6836-1801, 1705 Berryessa Road, San Jose, California

6714-011.al 1/24/95

Boring BH-3



EXPLANATION

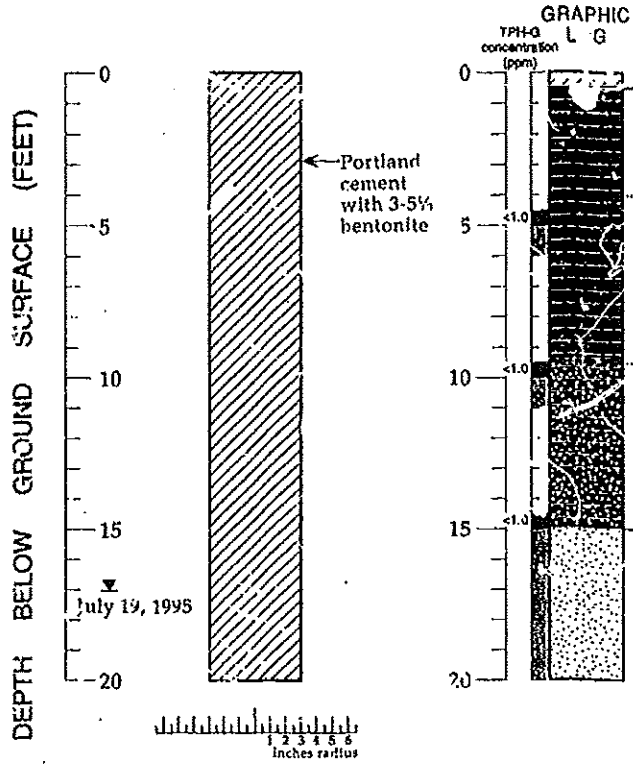
- Water level during drilling (date)
- Water level (date)
- Contact (dotted where approximate)
- Uncertain contact
- Gradational contact
- Location of recovered drive sample
- Location of drive sample sealed for chemical analysis
- Cutting sample
- K = Estimated hydraulic conductivity

Logged By: Faith M Daverin
Supervisor: James W. Carmody; CEG 1576
Drilling Company: Gregg Drilling, Martinez, CA
License Number: C57-485165
Driller: Chris St. Pierre
Drilling Method: Hollow-stem auger
Date Drilled: July 19, 1995
Well Head Completion: N/A
Type of Sampler: Split spoon (2" ID)
Ground Surface Elevation: 86.56 feet above mean sea level
TPH-G: Total petroleum hydrocarbon as gasoline in soil by modified EPA Method 8015

Boring Log and Well Construction Details - Boring BH-3 - Shell Service Station WIC# 204-6836-1801, 1705 Berryessa Road San Jose, California

WEISS ASSOCIATES

Boring BH-4



DESCRIPTION
2" Asphaltic concrete
Sandy SILT (fill); brown; soft; damp; 60% silt, 40% fine sand; low plasticity; low K
Sandy SILT (SM); black; stiff; dry; 50% silt, 40% very fine to coarse sand, 10% gravel up to .5" dia.; low plasticity; low K
Silty SAND (SM); light brown, mottled orange; medium dense; damp; 40% silt; 60% very fine to fine sand; low plasticity; low K
brown; loose; moist; 30% silt; 70% very fine to fine sand @ 14.5'
SAND (SP); light brown; loose; moist; 10% fines, 90% very fine to fine sand; non-plastic; low to moderate K
SAND (SW); 10% silt; 90% very fine to coarse sand; wet @ 19'

EXPLANATION

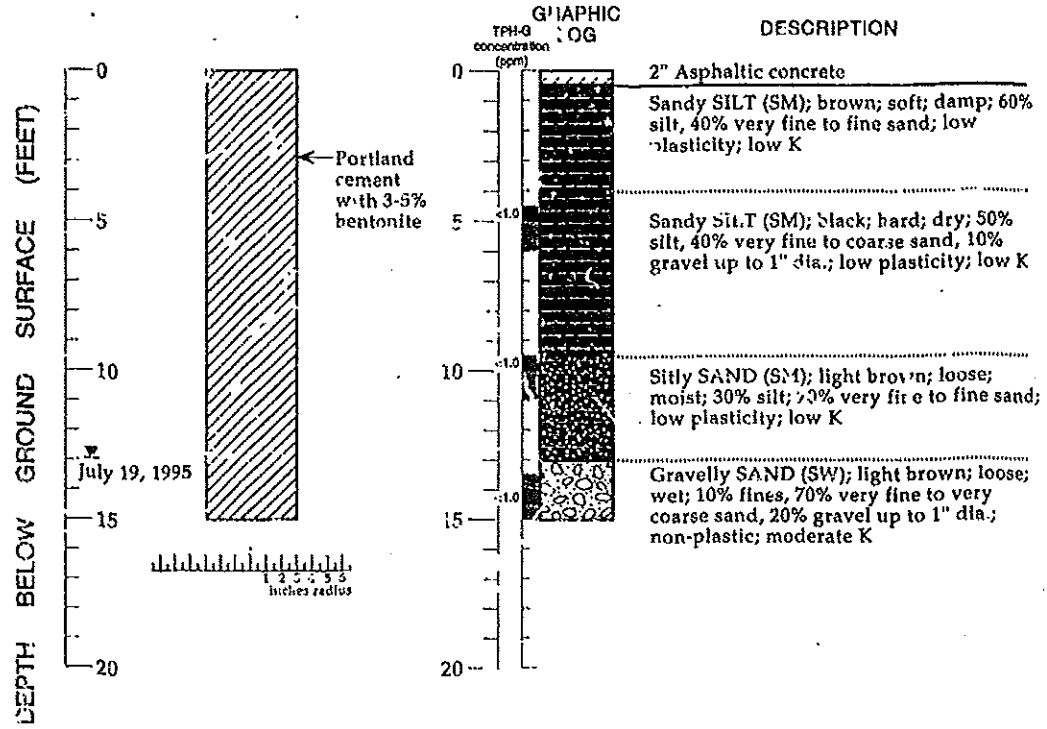
- Water level during drilling (date)
- Water level (date)
- Contact (dotted where approximate)
- Uncertain contact
- Gradational contact
- Location of recovered drive sample
- Location of drive sample sealed for chemical analysis
- Cutting sample
- K = Estimated hydraulic conductivity

Logged By: Faith M. Davern
Supervisor: James W. Carmody; CEG 1576
Drilling Company: Gregg Drilling, Martinez, CA
License Number: C57-485165
Driller: Chris St. Pierre
Drilling Method: Hollow-stem auger
Date Drilled: July 19, 1995
Well Head Completion: N/A
Type of Sampler: Split spoon (2" ID)
Ground Surface Elevation: 86.56 feet above mean sea level
TPH-G: Total petroleum hydrocarbon as gasoline in soil by modified EPA Method 8015

Boring Log and Well Construction Details - Boring BH-4 - Shell Service Station WIC# 204-6836-1801, 1705 Berryessa Road, San Jose, California

WEISS ASSOCIATES

Boring BH-5



EXPLANATION

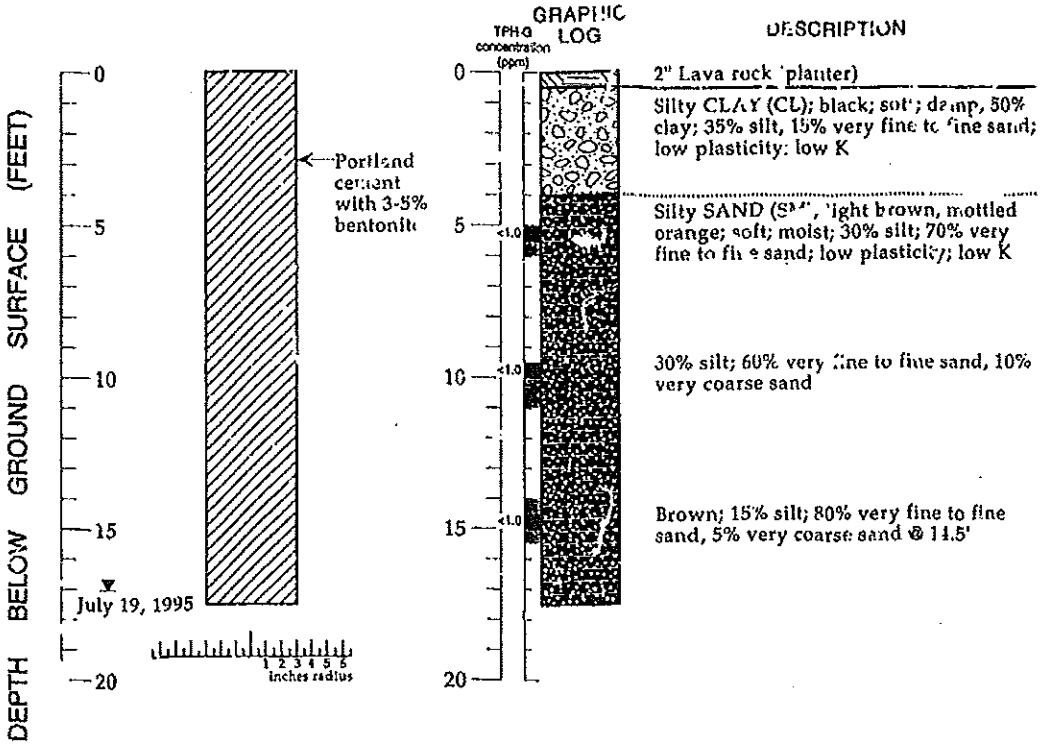
- Water level during drilling (date)
- Water level (date)
- Contact (dotted where approximate)
- Uncertain contact
- Gradational contact
- Location of recovered drive sample
- Location of drive sample sealed for chemical analysis
- Cutting sample
- K = Estimated hydraulic conductivity

Logged By: Faith M. Daverin
Supervisor: James W. Carmody; CEG 1576
Drilling Company: Gregg Drilling, Martinez, CA
License Number: C57-485165
Driller: Chris St. Pierre
Drilling Method: Hollow-stem auger
Date Drilled: July 19, 1995
Well Head Completion: N/A
Type of Sampler: Split spoon (2" ID)
Ground Surface Elevation: 86.06 feet above mean sea level
TPH-G: Total petroleum hydrocarbon as gasoline in soil by modified EPA Method 8015

Boring Log and Well Construction Details - Boring BH-5 - Shell Service Station WIC# 204-6836-1801, 1705 Berryessa Road, San Jose, California

5714-003.al 08/10/95

Boring BH-6



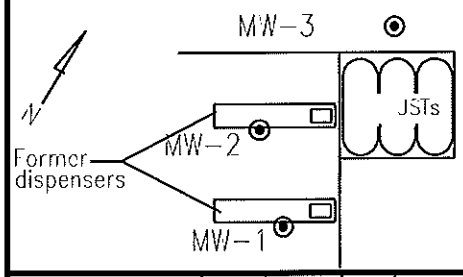
EXPLANATION

- Water level during drilling (date)
- ▽ Water level (date)
- Contact (dotted where approximate)
- —?—?— Uncertain contact
- Gradational contact
- Location of recovered drive sample
- Location of drive sample sealed for chemical analysis
- Cutting sample
- K = Estimated hydraulic conductivity

Logged By: Faith M. Daverin
Supervisor: James W. Carmody; CEG 1876
Drilling Company: Gregg Drilling, Martinez, CA
License Number: C57-485165
Driller: Chris St. Pierre
Drilling Method: Hollow-stem auger
Date Drilled: July 19, 1995
Well Head Completion: N/A
Type of Sampler: Split spoon (2" ID)
Ground Surface Elevation: 85.56 feet above mean sea level
TPH-G: Total petroleum hydrocarbon as gasoline in soil by modified EPA Method 8015

Boring Log and Well Construction Details - Boring BH-6 - Shell Service Station WIC# 204-6836-1801, 1705 Berryessa Road, San Jose, California

WELL/BORING LOCATION MAP



Boring/Well Log

TOXICHEM Management Systems, Inc.

PROJECT: Shell Service Station	WELL/BORING: MW-1
	PAGE: 1 of 2
	LOGGED BY: J.Quinn
LOCATION: 1705 Berryessa Road	CLIENT/PROJECT: EQ-20.1A
CITY/STATE: San Jose, Ca.	DATE DRILLED: 6/15/99
DRILLED BY: Gregg Drilling	NORTHING: 5021.60
DRILLING METHOD/DIA.: Hollow Stem Auger 6/10"	EASTING: 5093.06
SAMPLING METHOD: Split Spoon	TOTAL DEPTH: 25'

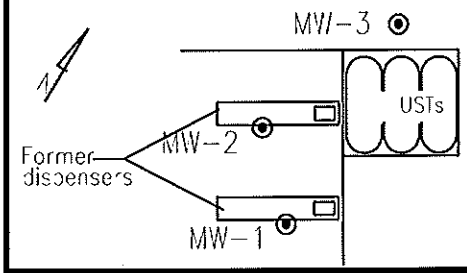
Total Well Depth: 25'	Grout Type/Qty: Basalite Type I, II-3.0bgs
Grout Interval: 1'-4.5'	Casing Dia./Type 4" PVC
Seal Type/Qty: Bentonite-1 bgs	Screen Interval: 6' - 25'
Seal Interval: 4.5' - 5.5'	Sand Type/Qty: Lonestar#2/12-8.5bags

CONSTRUCTION: SEAL, CASING, SEAL

SOLID 4"PVC; SCREENED (0.020) 4" PVC; CEMENT GROUT; BENTONITE SEAL; #2/12 SAND

DEPTH (FEET)	FIRST ▽	MOISTURE CONTENT	PID (ppm)	DENSITY BLOWS/6"	SAMPLE INTERVAL	SAMPLE RECOVERY	SAMPLE RETAINED	SOIL TYPE	DESCRIPTION
								FIL	ASPHALT (Fill)
1		DRY							@3"-1.5' CLAY GRAVEL w/SAND (fill): brown; 15% fines, 25% fine to medium grained sand, 65% gravel, angular to subangular; 0.25 to 1.5"diameter; no product odor.
2								CL	
3									@1.5' CLAY : brown; low plasticity fines; no product odor.
4				5 / 7					
5		DAMP	0	9					@5' CLAY: dark brown to black; low to medium plasticity fines, trace coarse-grained sand; ; no product odor.
6									
7									
8									
9				6 / 9					
10		DAMP	0	10					@10' CLAY: gray w/ mottled iron-oxide staining; fines, trace coarse-grained sand; low to medium plasticity; no product odor.
11									
12									
13	▼								
14				5 / 5					
15		Mst	0	7					@15' SANDY CLAY w/ GRAVEL: brown; 55% low plasticity fines, 30% medium to coarse grained sand,15% gravel; subangular; 0.25 to 0.5" diameter; no product odor.
16									
17								ML	
18									
19				7 / 10					@20' SANDY SILT: brown; 50% non-plastic fines, 45% fine grained sand, 5% gravel; 0.25" diameter; subangular; no product odor.
20		Mst	0	17					
21									
22									

WELL/BORING LOCATION MAP



Boring/Well Log
TOXICHEM Management Systems, Inc.

PROJECT: Shell Service Station	WELL/BORING: MW-1
	PAGE: 2of 2
	LOGGED BY: J. Quinn
LOCATION: 1705 Berryessa Road	CLIENT/PROJECT: EQ-20.1A
CITY/STATE: San Jose, Ca.	DATE DRILLED: 6/15/99
DRILLED BY: Gregg Drilling	NORTHING: 5021.60
DRILLING METHOD/DIA.: Hollow Stem Auger 6/10"	EASTING: 5093.06
SAMPLING METHOD: Split Spoon	TOTAL DEPTH: 25'

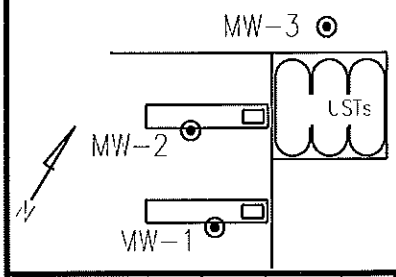
Total Well Depth: 25'	Grout Type/Qty: Basalite Type I, II-3.0bgs
Grout Interval: 1'-4.5'	Casing Dia./Type 4" PVC
Seal Type/Qty: Bentonite-1 bgs	Screen Interval: 6' - 25'
Seal Interval: 4.5' - 5.5'	Sand Type/Qty: Lonestar#2/12-8.5bags

CONSTRUCTION: SEAL; CASING; SEAL

#2/12 SAND; SCREENED(0.020); #2/12 SAND

FIRST ▽	MOISTURE CONTENT	HIL (ppm)	DENSITY BLOWS/6"	DEPTH (FEET)	SAMPLE INTERVAL	SAMPLE RECOVERY	SAMPLE RETAINED	SOIL GRAPHIC	SOIL TYPE	DESCRIPTION
				21					CL	CLAY: light brown; medium plasticity fines; no product odor.
				22						
				23						
			5							
			9	24						
	DAMPO		12							
				25						
				26						
				27						
				28						
				29						
				30						

WELL/BORING LOCATION MAP



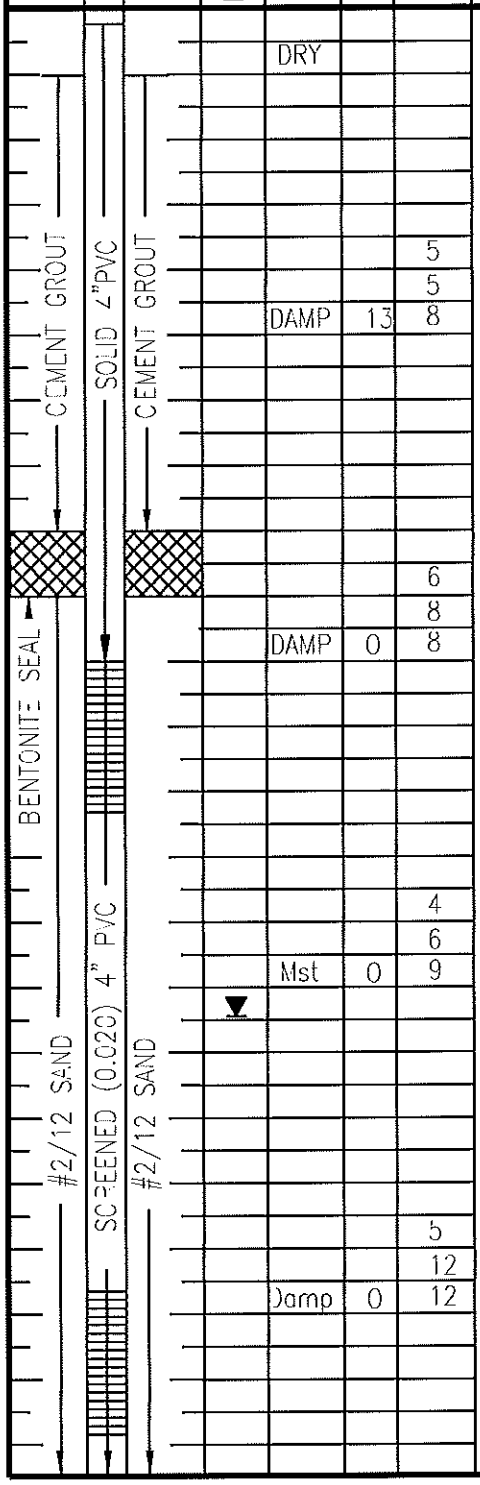
Boring/Well Log

TOXICHEM Management Systems, Inc.

PROJECT: Shell Service Station	WELL/BORING: MW-2
	PAGE: 1 of 2
	LOGGED BY: J. QUINN
LOCATION: 1705 Berryessa Road	CLIENT/PROJECT: EQ-20.1A
CITY/STATE: San Jose, Ca.	DATE DRILLED: 6/15/99
DRILLED BY: Gregg Drilling	NORTHING: 4993.39
DRILLING METHOD/DIA.: Hollow Stem Auger 6/10"	EASTING: 5109.18
SAMPLING METHOD: Split Spoon	TOTAL DEPTH: 25'

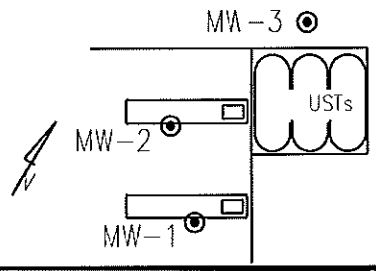
Total Well Depth: 25'	Grout Type/Qty: Basalite Type I, II-3.5bgs
Grout Interval: 1'-8'	Casing Dia./Type 4" PVC
Seal Type/Qty: Bentonite-1 bag	Screen Interval: 10' - 25'
Seal Interval: 8' - 9'	Sand Type/Qty: orestar#2/12-8.5bags

CONSTRUCTION: SEAL, CASING, SEAL



FIRST	MOISTURE CONTENT	FID (ppm)	DENSITY BLOWS/6"	DEPTH (FEET)	SAMPLE INTERVAL	SAMPLE RECOVERY	SAMPLE RETAINED	SOIL GRAPHIC	SOIL TYPE	DESCRIPTION
	DRY			1					FILL	0-4" ASPHALT (Fill) @4"-2" CLAYEY GRAVEL w/SAND:15% fines, 20% fine to medium graired sand, 65% gravel, angular to subangular; .25 to 1"diameter; no product odor.
				2						
				3					CL	@2' CLAY : brown; low to medium plasticity fines; no product odor.
			5	4						
			5							
	DAMP	13	8	5						@5' CLAY: dark brown to black; low to medium plasticity fines; no product odor.
				6						
				7						
				8						
			6							
			8	9						
	DAMP	0	8	10						@10' CLAY: gray with mottled iron-oxide staining; low to medium plasticity fines; no product odor.
				11						
				12						
				13						
			4	14						@14' SANDY CLAY: brown; 60% low plasticity fines, 30% fine to medium grained sand,10% gravel; .25 to 1diameter; subrounded; no product odor.
			6							
	Mst	0	9	15						
▼										
				16						
				17					GC	CLAYEY GRAVEL w/SAND: brown; 25% low-plasticity fines, 20% medium to coarse sand, 55% gravel; 0.25 - 1"diameter; subangular; no product odor.
				18						
			5							
			12	19					ML	SANDY SILT: brown; 55% non-plasticity fines, 45% fine grained sand, no product odor.
	Damp	0	12							
				20						
				21						
				22						

WELL/BORING LOCATION MAP



Boring/Well Log
TOXICHEM Management Systems, Inc.

WELL/BORING: MW-2
PAGE: 2of 2

PROJECT: Shell Service Station	
LOCATION: 1705 Berryessa Road	CLIENT/PROJECT: EQ-20.1A
CITY/STATE: San Jose, Ca.	DATE DRILLED: 6/15/99
DRILLED BY: Gregg Drilling	NORTHING: 4993.39
DRILLING METHOD/DIA.: Hollow Stem Auger 6/10"	EASTING: 5109.18
SAMPLING METHOD: Split Spoon	TOTAL DEPTH: 25'

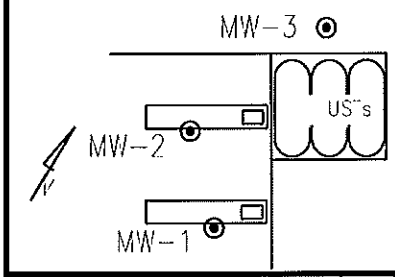
Total Well Depth: 25'	Grout Type/Qty: Basalite Type I, II-3.5bgs
Grout Interval: 1'-8'	Casing Da /Type 4" PVC
Seal Type/Qty: Bentonite-1 bgs	Screen Interval: 10' - 25'
Seal Interval: 8' - 9'	Sand Type/Qty: Lonestar#2/12-8.5bags

CONSTRUCTION: SEAL | CASING | SEAL

#2/12 SAND — SCREENED(0.020) — #2/12 SAND

FIRST ▽	MOISTURE CONTENT	PID (ppm)	DENSITY BLOWS/6"	DEPTH (FEET)	SAMPLE INTERVAL	SAMPLE RECOVERY	SAMPLE RETAINED	SOIL GRAPHIC	SOIL TYPE	DESCRIPTION
				21						
				22						
				23						
			5							
			11	24					C-	CLAY: light brown with m9ttled iron-oxide stainig; low to medium plasticity fines; minor carbonized peds; moderate product odor.
	DAMP	6	18							
				25						
				26						
				27						
				28						
				29						
				30						

WELL/BORING LOCATION MAP



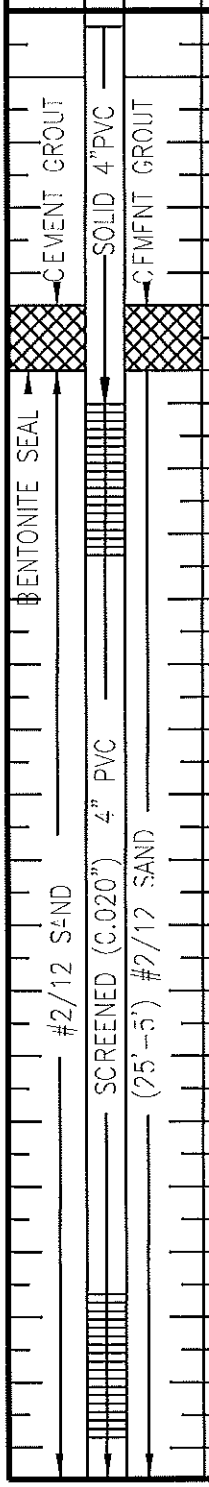
Boring/Well Log

TOXICHEM Management Systems, Inc.

PROJECT: Shell Service Station	WELL/BORING: MW-3
	PAGE: 1 of 2
	LOGGED BY: J. MUZZIO
LOCATION: 1705 Berryessa Road	CLIENT/PROJECT: EQ-20.1A
CITY/STATE: San Jose, Ca.	DATE DRILLED: 6/16/99
DRILLED BY: Gregg Drilling	NORTHING: 4959.06
DRILLING METHOD/DIA.: Hollow Stem Auger 6/10"	EASTING: 5088.19
SAMPLING METHOD: Split Spoon	TOTAL DEPTH: 25'

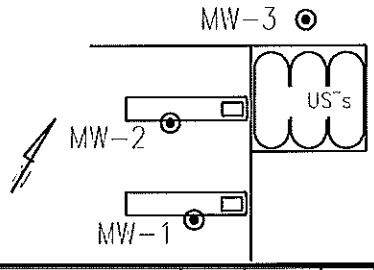
Total Well Depth: 25'	Grout Type/Qty: Basalite Type I, II-3.5bgs
Grout Interval: 0-4.5'	Casing Dia/Type 4" PVC
Seal Type/Qty: Bentonite-1 bag	Screen Interval: 6' - 25' Factory Slot
Seal Interval: 4.5'-5.5' bgs	Sand Type/Qty: Lonestar#2/12-9bags

CONSTRUCTION: SEAL, CASING, SEAL



FIRST	MOISTURE CONTENT	PID (ppm)	DENSITY BLOWS/6"	DEPTH (FEET)	SAMPLE: INTERVAL	RECOVERY	RETAINED	SOIL GRAPHIC	USCS	DESCRIPTION
										0-4" ASPHALT (Fill)
									FILL	4"-1.3' SILTY GRAVEL (fill): gray brown; 15-20% non plasticity fines, 20-25% fine to medium grained sand, gravel, angular to subangular; 0.25 to 1"diameter; no product odor.
	DAMP			1					CL	
	DAMP									
				2						
				3						SANDY CLAY: dusky yellow brown; low to medium plasticity fines; 15-20% very fine to fine sand; no product odor.
				4						
			3	5					CL	
	MOIST		4							SANDY CLAY with SILT: dark gray/brown; 15% very fine sand, low to medium plasticity fines; trace coarse sand; rootlets and root holes; no product odor.
		1.9	4	6						
				7						
				8					CL	
			7							
			9	9						SANDY CLAY: light gray w/orange mottling; occasional caliche stains; 15% very fine sand; moderate plasticity fines; trace fine gravels; no product odor.
	MOIST	0	14	10						
				11						
				12						
				13						CLAYEY GRAVEL: dark yellow/brown; 15-20% low plasticity fines, 20% fine to coarse grained sand, gravel; 0.5 to 1.5 diameter; subangular; no product odor.
▼			14	14					CL	
▽			21							
	WET	0	13	15						SAND with CLAY: dark yellow/brown; 45-55% low to moderate plasticity fines, 45-55% fine to medium grained sand with occasional subrounded coarse sand; no product odor.
				16						
				17					GC	
				18						
			4							
	MST.		12	19					ML	19.5-22' SANDY SILT: dark yellow/brown; 55% non-plastic fines, 40% very fine to fine grained sand, occasional fine gravels and coarse sand; fine iron oxide mottling throughout; no product odor.
	MST.	0	15							
				20						
				21						
				22						

WELL/BORING LOCATION MAP



Boring/Well Log

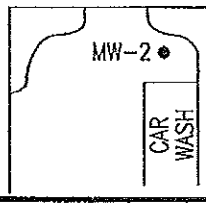
TOXICHEM Management Systems, Inc.

PROJECT: Shell Service Station	WELL/BORING: MW-3
	PAGE: 2of 2
	LOGGED BY: J. MUZZIO
LOCATION: 1705 Berryessa Road	CLIENT/PROJECT: EQ-20.1A
CITY/STATE: San Jose, Ca.	DATE DRILLED: 6/16/99
DRILLED BY: Gregg Drilling	NORTHING: 4959.06
DRILLING METHOD/DIA.: Hollow Stem Auger 6/10"	EASTING: 5088.19
SAMPLING METHOD: Split Spoon	TOTAL DEPTH: 25'

Total Well Depth: 25'	Grout Type/Qty: Basalite Type I, II-3.5bgs
Grout Interval: 1'-4.5'	Casing Dia./Type 4" PVC
Seal Type/Qty: Bentonite-1 bags	Screen Interval: 6' - 25' Factory Slot
Seal Interval: 4.5' - 5.5'	Sand Type/Qty: Lonestar#2/12-9 bags

CONSTRUCTION: SEAL	CASING	SEAL	FIRST ▽	MOISTURE CONTENT	PID (ppm)	DENSITY BLOWS/6"	DEPTH (FEET)	SAMPLE: INTERVAL	RECOVERY	RETAINED	SOIL GRAPHIC	SOIL TYPE	DESCRIPTION
#2/12 SAND	SCREENED(0.020)	#2/12 SAND										ML	SILT
							21						
							22						
							23						CLAY: dusky yellow/brown; moderate plasticity; est. <5% very fine sand; occasional iron oxide staining; no product odor.
						5							
						9	24						
				V.MST	6	13						CL	
							25						
							26						
							27						
							28						
							29						
							30						

WELL/BORING LOCATION MAP
BERRYESSA



Boring / Well Log

TOXICHEM Management Systems, Inc.

WELL/BORING: MW-2A, B
PAGE: 1 of 2
LOGGED BY: M. GAFFNEY

LOCATION: 1705 Berryesa Road	CLIENT/PROJECT: EQ-20.1A
CITY/STATE: San Jose, California	DATE DRILLED: 12/27/01
DRILLED BY: Gregg	NORTHING:
DRILLING METHOD/DIA.: HSA/10"	EASTING:
SAMPLING METHOD: Split Spoon	TOTAL DEPTH: 40'

Grout Type/Qty:	Total Well Depth: 40'
Grout Interval: 0-6'	Casing Dia./Type: 2" Sch 40
Seal Type/Qty:	Sand Type/Qty: #2/12 / 8
Seal Interval: 6-8', 26-34'	Screen Interval: 10-25', 35-40'

CONSTRUCTION: SEAL, CASING, CASING, SEAL

BACKFILLED WITH GROUT; BENTONITE; #2/12 SAND; 2" 0.020" SLOTTED SCREEN; 2" Sch 40 PVC BLANK

DEPTH (FEET)	MOISTURE CONTENT	PID (ppm)	DENSITY BLOWS/6"	SOIL TYPE	DESCRIPTION
					ASPHALT
1	Dry			SW	GRAVELLY SAND: brown; 80% fine to medium sand; 20% fine gravel.
2				ML	SILT: brown; 60% silt; 40% fine sand; low plasticity.
3		46.6			
4					
5	Dry		3		@5': SANDY SILT; olive; 70% silt; 30% coarse sand; low plasticity; soft; no product odor.
6			2, 3		
7					
8					
9	Mst	20	7, 8		@8.5': SANDY SILT; olive; 70% silt; 30% coarse sand; low plasticity; medium stiff; no product odor.
10			11		
11					
12					
13					
14	Mst	34.5	4, 5		@13.5: SANDY SILT; light olive; 70% silt; 30% coarse sand; low plasticity; medium stiff to stiff; low to medium permeability.
15			9		
16					
17					
18					
19	Wt		7, 10		@18.5': SILT; brown; 5% clay; 85% silt; 10% fine sand; low plasticity; medium stiff to stiff; low to medium permeability.
20		38.3	14		
21					
22					

WELL/BORING LOCATION MAP	Boring / Well Log TOXICHEM Management Systems, Inc.	WELL/BORING: MW-2A, B PAGE: 2 of 2 LOGGED BY: M. GAFFNEY
SEE PAGE ONE	LOCATION: 1705 Berryesa Road	CLIENT/PROJECT: EQ-20.1A
	CITY/STATE: San Jose, California	DATE DRILLED: 12/27/01
	DRILLED BY:	NORTHING:
	DRILLING METHOD/DIA.:	EASTING:
	SAMPLING METHOD:	TOTAL DEPTH:

Grout Type/Qty:	Total Well Depth:
Grout Interval:	Casing Dia./Type:
Seal Type/Qty:	Sand Type/Qty:
Seal Interval:	Screen Interval:

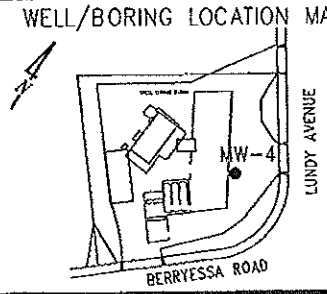
CONSTRUCTION: SEAL, CASING, CASING, SEAL

#2/12 SAND; 2" Sch 40 PVC BLANK; 2" 0.020" SLOTTED SCREEN; BENTONITE; 2" 0.020" SLOTTED SCREEN; #2/12 SAND

DEPTH (FEET)	MOISTURE CONTENT	PID (ppm)	DENSITY BLOWS/6"	SOIL TYPE	DESCRIPTION
23					
24			6 10		@23.5':SILT; green; 5% clay; 85% silt; 10% fine sand; low plasticity; medium stiff to stiff.
25	Mst	0	14		
26					
27					
28					
29			10 15		@28.5: SILT WITH GRAVEL; light brown; 5% clay; 80% silt; 15% gravel; low plasticity; stiff to very stiff.
30	Wt	0	22		
31					
32					
33					@33.5': 1" lense; of coarse sand.
34			9 16		@34': GRAVELLY SILT; light brown; 5% clay; 80% silt; 15% gravel; low plasticity; medium stiff to stiff.
35	Wt	0	24	SW	SAND: gray; 100% medium to coarse sand; medium dense; no plasticity.
36					
37					
38					
39			12 10		@38.5': as above; loose to medium dense.
40	Wt	0	10		BOTTOM OF BORING AT 40'
41					
42					
43					
44					

SAMPLE: INTERVAL, RECOVERY, RETAINED

WELL/BORING LOCATION MAP



Boring/Well Log

TOXICHEM Management Systems, Inc.

WELL/BORING: MW-4
PAGE 1 of 1
LOGGED BY: WC

LOCATION: 1705 Berryessa Road	CLIENT/PROJECT: EQ-20.1A
CITY/STATE San Jose, California	DATE DRILLED. 7/27/00
DRILLED BY. Gregg	NORTHING:
DRILLING METHOD/DIA. HSA/ 10"	EASTING:
SAMPLING METHOD. Split Spoon	TOTAL DEPTH: 20'

Grout Type/Qty Basolite Type I-II	Total Well Depth 20'
Grout Interval 0-8'	Casing Diameter 4'
Seal Type/Qty Bentonite	Casing Type Sch 40 PVC
Seal Interval 8-9'	Screen Interval. 10-20', 0.020" slots

CONSTRUCTION: SEAL, CASING, SEAL

MOISTURE CONTENT	PID (ppm)	DENSITY BLOWS/6"	DEPTH (FEET)	SAMPLE: INTERVAL, RECOVERY, RETAINED	SOIL GRAPHIC	SOIL TYPE	DESCRIPTION
							0-3" ASPHALT BACKFILL: GRAVELLY SAND
Dry			1				
			2			CL	SILTY CLAY: blackish brown grading to dark brown; 40-50% clay; 20-30% silt; 10-20% fine sand; 5-10% coarse sand and fine gravel; soft; low plasticity; no product odor.
Dp			3				
			4			ML	SANDY SILT: brown with rust colored mottling; 10-15% clay; 40-50% silt; 35-40% fine sand; <5% fine gravel; soft; no plasticity; no product odor.
Mst-		2	5				
VMst	0	2					
		2	6			ML	CLAYEY SILT: dark brown; 20-30% clay; 40-50% silt; 10-15% fine sand; 5-10% coarse sand and fine gravel; <5% coarse gravel; soft to firm; low to medium plasticity; no product odor.
			7				
			8				
		3	9				@9': as above; dark brown with rust colored mottling; increase clay and sand content, decrease silt content; no product odor.
Dp-	0	3					
Mst		3	10				
			11				
			12				
			13			SC	CLAYEY SAND: brown with gray mottling; 25-30% clay; 15-20% silt; 40-45% fine sand; 5-10% coarse sand and fine gravel; soft; low plasticity; no product odor.
		3	14				
VMst	0	3					
-Wt		4	15				
			16				
			17				
			18				
		5	19				@19': as above; brown; 10-15% clay; 5-10% silt; 60-65% fine sand; 5-10% fine gravel; loose; no product odor.
	0	6					
Wt		8	20				BOTTOM OF BORING AT 20'
			21				
			22				

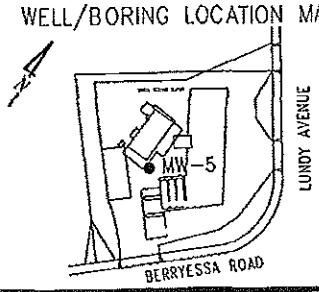
GROUT

BENTONITE

2/12 SAND

0.020" SLOTTED PVC

WELL/BORING LOCATION MAP



Boring/Well Log

TOXICHEM Management Systems, Inc.

WELL/BORING: MW-5
PAGE. 1 of 1
LOGGED BY: WC

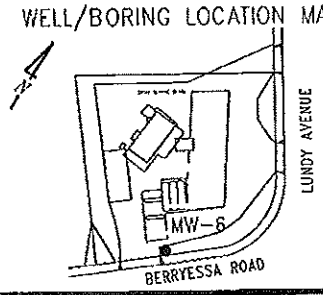
LOCATION: 1705 Berryessa Road	CLIENT/PROJECT: EQ-20 1A
CITY/STATE San Jose, California	DATE DRILLED: 7/27/00
DRILLED BY: Gregg	NORTHING:
DRILLING METHOD/DIA.: HSA/ 10"	EASTING:
SAMPLING METHOD: Split Spoon	TOTAL DEPTH: 20'

Grout Type/Qty Basalite Type I-II	Total Well Depth. 20'
Grout Interval. 0-8'	Casing Diameter 4'
Seal Type/Qty Bentonite	Casing Type Sch 40 PVC
Seal Interval 8-9'	Screen Interval 10-20', 0.020" slots

CONSTRUCTION: SEAL, CASING, SEAL, GROUT, BENTONITE, 2/12 SAND, 0.020" SLOTTED PVC

MOISTURE CONTENT	PID (ppm)	DENSITY BLOWS/6"	DEPTH (FEET)	SAMPLE: INTERVAL / RECOVERY / RETAINED	SOIL GRAPHIC	SOIL TYPE	DESCRIPTION
							0-3" ASPHALT BACKFILL: GRAVELLY SAND
Dry			1				
			2			CL	SANDY CLAY: olive brown to brown; 40-45% clay; 20-25% silt; 30-40% fine sand; soft; none to low plasticity; no product odor.
Dp			3				
			4				@4': as above; dark brown with rust colored mottling; no product odor.
Dp-		2	5				
Mst	0	2					
		4	6			CL	SILTY CLAY: blackish brown; 45-50% clay; 25-30% silt; 15-20% fine sand; <5% fine gravel or coarse sand; soft; low plasticity; no product odor.
			7				
			8				
		4	9			ML	SANDY SILT: olive gray with rust colored mottling; 15-20% clay; 40-45% silt; 25-30% fine sand; 5-10% fine gravel and coarse sand; soft; none to low plasticity; no product odor.
Dp-	0	3					
Mst		4	10				
			11				
			12				
			13				
		3	14			CL	SANDY CLAY: brown with rust colored and gray mottling; 35-40% clay; 20-25% silt; 25-30% fine sand; 5-10% fine gravel increasing with depth; soft; low plasticity; no product odor.
VMst	0	4					
		6	15				
			16				
			17				
			18			SM	SILTY SAND: brown; 5-10% clay; 20-25% silt; 60-65% fine sand; loose; no product odor.
		4	19				
Wt	0	8					
		8	20				BOTTOM OF BORING AT 20'
			21				
			22				

WELL/BORING LOCATION MAP



Boring/Well Log

TOXICHEM Management Systems, Inc.

WELL/BORING. MW-6
PAGE: 1 of 1
LOGGED BY: WC

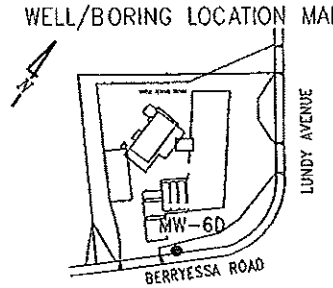
LOCATION: 1705 Berryessa Road	CLIENT/PROJECT: EQ-20.1A
CITY/STATE: San Jose, California	DATE DRILLED: 7/27/00
DRILLED BY. Gregg	NORTHING:
DRILLING METHOD/DIA. HSA/ 10"	EASTING:
SAMPLING METHOD: Split Spoon	TOTAL DEPTH: 20'

Grout Type/Qty Bosolite Type I-II	Total Well Depth. 20'
Grout Interval 0-8'	Casing Diameter 4'
Seal Type/Qty Bentonite	Casing Type Sch 40 PVC
Seal Interval. 8-9'	Screen Interval 10-20', 0.020" slots

CONSTRUCTION: SEAL, CASING, SEAL, GROUT, BENTONITE, 2/12 SAND, 0.020" SLOTTED PVC

MOISTURE CONTENT	PID (ppm)	DENSITY BLOWS/6"	DEPTH (FEET)	SAMPLE: INTERVAL / RECOVERY / RETAINED	SOIL TYPE	DESCRIPTION
						0-3" SAND
VMst			1		CL	SILTY CLAY: dark brown; 50-60% clay; 15-20% silt; 10-15% fine sand; 5-10% fine gravel decreasing with depth; soft to firm; medium plasticity; no product odor.
Dp-Mst			2			
			3		ML	SANDY SILT; olive brown with rust colored mottling; 5-10% clay; 40-50% silt; 35-40% fine to medium sand; soft; none to low plasticity; no product odor.
			4			
		2	5			
Dp-Mst	0	2 / 3	6		CL	SILTY CLAY: blackish brown; 40-50% clay; 20-25% silt; 15-20% fine sand; 5-10% fine gravel; soft; low to medium plasticity; no product odor.
			7			
			8		CL	SANDY CLAY: olive gray with rust colored mottling; 35-45% clay; 15-20% silt; 25-30% fine to medium sand; 5-10% fine gravel; soft; low plasticity; no product odor.
		2	9			
	0	3 / 3	10			
			11			
			12		SC	CLAYEY SAND; brown; 15-25% clay; 10-15% silt; 50-55% fine sand; 5-10% fine gravel; loose; none to low plasticity; no product odor.
			13			
▽▼		2	14			
	0	4				
Wt		5	15			
			16			
			17			
			18			
		4	19			@19': as above; 10-15% clay; 5-10% silt; 65-70% fine to medium sand; 5-10% fine gravel; loose; no product odor.
Wt	0	4 / 6	20			
			21			BOTTOM OF BORING AT 20'
			22			

WELL/BORING LOCATION MAP



Boring/Well Log

TOXICHEM Management Systems, Inc.

WELL/BORING: MW-6D
PAGE: 1 of 2
LOGGED BY: WC

LOCATION: 1705 Berryessa Road	CLIENT/PROJECT: EQ-20.1A
CITY/STATE: San Jose, California	DATE DRILLED 7/26&28/00
DRILLED BY: Gregg	NORTHING:
DRILLING METHOD/DIA.: HSA/ 16" & 10"	EASTING:
SAMPLING METHOD: Split Spoon	TOTAL DEPTH: 43.5'

Grout Type/Qty. Basalite Type I-II	Total Well Depth. 41'
Grout Interval 0-34'	Casing Diameter 4'
Seal Type/Qty Bentonite	Casing Type Sch 40 PVC
Seal Interval 34-35'	Screen Interval 36-41', 0.020" slots

CONSTRUCTION: SEAL, CASING, SEAL; GROUT; GROUT; 12" DIAMETER CONDUCTOR CASING

MOISTURE CONTENT	PID (ppm)	DENSITY BLOWS/6"	DEPTH (FEET)	SAMPLE: INTERVAL / RECOVERY / RETAINED	SOIL GRAPHIC	SOIL TYPE	DESCRIPTION
							0-6" SAND
Mst-						CL	SILTY CLAY: dark brown; 50-60% clay; 15-20% silt; 10-15% fine sand; 5-10% fine gravel decreasing with depth; soft to firm; medium plasticity; no product odor.
VMst			1				
			2				
			3			ML	SANDY SILT: olive brown with rust colored mottling; 10-15% clay; 45-50% silt; 35-40% fine sand; <5% fine gravel; soft; low plasticity; no product odor.
Mst			4				
		1	5				
Dp-	0	2					
Mst		4	6			CL	SILTY CLAY: blackish brown; 40-50% clay; 25-30% silt; 15-20% fine sand; soft; low to medium plasticity; no product odor.
			7				
			8				
		2				CL	SANDY CLAY: olive gray and orange; 40-45% clay; 15-20% silt; 30-35% fine sand; 5-10% fine gravel; soft; low to medium plasticity; no product odor.
Dp-	0	2	9				
▼ Mst		3	10				
			11				
			12				
▽			13			SC	CLAYEY SAND: brown; 15-20% clay; 10-15% silt; 45-50% fine to medium sand; 10-15% fine to medium gravel; soft; low plasticity; no product odor.
		3					
	0	3	14				
Wt		3	15				
			16				
			17				
			18				
Mst-		2					
VMst	0	4	19			ML	CLAYEY SILT: brown; 20-30% clay; 40-45% silt; 20-25% fine sand; <5% fine gravel; soft; none to low plasticity; no product odor.
		6	20				
			21				
			22				

WELL/BORING LOCATION MAP	Boring/Well Log TOXICHEM Management Systems, Inc.	WELL/BORING: MW-6D PAGE. 2 of 2 LOGGED BY: WC
SEE PAGE ONE	LOCATION: 1705 Berryessa Road	CLIENT/PROJECT: EQ-20.1A
	CITY/STATE: San Jose, California	DATE DRILLED.
	DRILLED BY:	NORTHING.
	DRILLING METHOD/DIA.:	EASTING:
	SAMPLING METHOD	TOTAL DEPTH:

Grout Type/Qty	Total Well Depth
Grout Interval	Casing Diameter
Seal Type/Qty	Casing Type
Seal Interval	Screen Interval

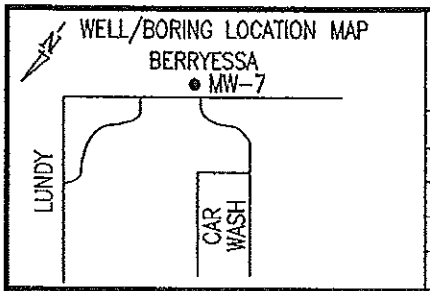
CONSTRUCTION: SEAL, CASING, SEAL

GROUT; GROUT; GROUT; 12" DIAMETER CONDUCTOR CASING; 2/12 SAND; BENTONITE; 0.020" SLOTTED PVC; SLOUGH

DEPTH (FEET)	MOISTURE CONTENT	PID (ppm)	DENSITY BLOWS/6"	SOIL TYPE	DESCRIPTION
23					
24			2, 4		@24': as above; no product odor.
25	VMst		5	SM	SILTY SAND: brown; 5–10% clay; 20–25% silt; 60–65% fine to coarse sand; <5% fine gravel; soft; none to low plasticity; no product odor.
26					
27					
28				CL	SANDY CLAY: brown; with rust colored mottling; 50–55% clay; 10–15% silt; 20–25% fine to coarse sand; 5–10% fine gravel; soft; low to medium plasticity; no product odor.
29	Sat	0	5, 7		
30	Wt		10, 9		@30': 3" sand lense; <5% clay; 5–10% silt; 80–85% medium to coarse sand; 5–10% fine gravel; no product odor.
31	Mst		12, 30	SM	SILTY SAND, brown with rust colored mottling; 5–10% clay; 20–25% silt; 50–55% fine to medium sand; 10–15% fine gravel; loose; no product odor.
32					
33					
34	Wt	0	6, 6	SC	CLAYEY SAND: brown; 15–20% clay; 10–15% silt; 50–55% fine to coarse sand; 10–15% fine gravel; loose; none to low plasticity; no product odor.
35	VMst		9, 11	SM	SILTY SAND: grayish brown; 5–10% clay; 25–30% silt; 50–55% fine sand; 5–10% fine gravel; loose; no product odor.
36	Sat		13, 25	CL	SANDY CLAY: olive brown; 35–40% clay; 10–15% silt; 25–30% fine to medium sand; 15–20% fine gravel; soft; low plasticity; no product odor.
37	Wt		12, 21	SP	GRAVELLY SAND: brown; <5% clay; <5% silt; 85–90% medium to coarse sand; 10–15% fine to coarse gravel; very loose; no product odor.
38			35, 7		
39			20, 45		
40	Wt	0	35, >50-5"		
41					
42			14	CL	SILTY CLAY: light gray with rust colored mottling; 80–90% clay; 10–20% silt; <5% sand; soft; medium plasticity; no product odor.
43	VMst –Sat	0	19, 23		
44					BOTTOM OF BORING AT 43.5'

SAMPLE: INTERVAL, RECOVERY, RETAINED

SOIL GRAPHIC



Boring / Well Log

TOXICHEM Management Systems, Inc.

WELL/BORING: MW-7A, B
PAGE: 1 of 2
LOGGED BY: M. GAFFNEY

LOCATION: 1705 Berryesa Road	CLIENT/PROJECT: EQ-20.1A
CITY/STATE: San Jose, California	DATE DRILLED: 12/27/01
DRILLED BY: Gregg	NORTHING:
DRILLING METHOD/DIA.: HSA/10"	EASTING:
SAMPLING METHOD: Split Spoon	TOTAL DEPTH: 41'

Grout Type/Qty:	Total Well Depth: 41'
Grout Interval: 0-6'	Casing Dia./Type: 2" Sch 40
Seal Type/Qty:	Sand Type/Qty: #2/12 / 8
Seal Interval: 6-8', 26-34'	Screen Interval: 10-25', 36-41'

CONSTRUCTION: SEAL, CASING, CASING, SEAL

BACKFILLED WITH GROUT; BENTONITE; 2" Sch 40 PVC BLANK; 2" Sch 40 PVC BLANK; #2/12 SAND; 2" 0.020" SLOTTED SCREEN

DEPTH (FEET)	MOISTURE CONTENT	PID (ppm)	DENSITY BLOWS/6"	SOIL TYPE	DESCRIPTION
					ASPHALT
1	Dry			SM	SILTY SAND: light brown; 30% silt; 70% fine sand; no product odor.
2					
3					
4					
5			6	ML	SILT: brown; 5-10% clay; 80% silt; 10% fine sand; organic matter; medium plasticity.
6	Dry	0	7, 8		
7					@20': as above.
8					
9			7, 8	SM	SILTY SAND: light brown; 30% silt; 70% fine sand; no plasticity; no product odor.
10	Dry	0	7		
11					
12					
13					@13': as above; 30% silt; 65% fine to coarse sand; 5% fine gravel.
14	Mst		5, 5	ML	SANDY SILT: 5% clay; 60% silt; 30% fine to coarse sand; 5% fine gravel; low plasticity; no product odor.
15		0	10		
16					
17					
18				ML	@18.5': SILT; light brown; 5% clay; 90% silt; 5% fine sand; low plasticity.
19	Wt		6, 7	SW	3" LENSE OF SAND: gray black.
20		0	12	ML	SILT: light brown; 5% clay; 90% silt; 5% fine sand; low plasticity.
21					
22					

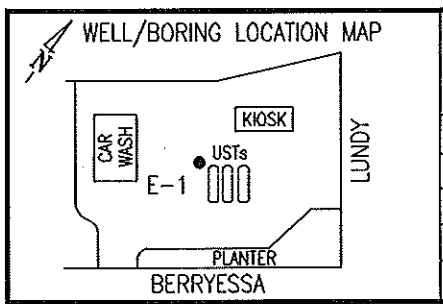
WELL/BORING LOCATION MAP	Boring / Well Log TOXICHEM Management Systems, Inc.	WELL/BORING: MW-7A, B PAGE: 2 of 2 LOGGED BY: M. GAFFNEY
SEE PAGE ONE	LOCATION: 1705 Berryesa Road	CLIENT/PROJECT: EQ-20.1A
	CITY/STATE: San Jose, California	DATE DRILLED: 12/27/01
	DRILLED BY:	NORTHING:
	DRILLING METHOD/DIA.:	EASTING:
	SAMPLING METHOD:	TOTAL DEPTH:

Grout Type/Qty:	Total Well Depth:
Grout Interval:	Casing Dia./Type:
Seal Type/Qty:	Sand Type/Qty:
Seal Interval:	Screen Interval:

CONSTRUCTION: SEAL, CASING, CASING, SEAL

#2/12 SAND; 2" 0.020" SLOTTED SCREEN; 2" Sch 40 PVC BLANK; BENTONITE; #2/12 SAND; 2" 0.020" SLOTTED SCREEN

DEPTH (FEET)	MOISTURE CONTENT	PID (ppm)	DENSITY BLOWS/6"	SAMPLE INTERVAL	SAMPLE RECOVERY	SAMPLE RETAINED	SOIL GRAPHIC	SOIL TYPE	DESCRIPTION
23									
24	Wt		5						@23.5': SILT; light brown; 5% clay; 90% silt; 5% fine sand.
			10						
25		0	10						@24.5': 1" lense of fine sand.
26									
27									
28									
29			6						
			12						
30		0	15					SW	SAND: light brown; 5% clay; 5% silt; 80% fine to coarse sand; 10% fine gravel; no plasticity.
31									
32									
33									
34			8					ML	CLAYEY SILT: olive black mottled; 15% clay; 80% silt; 5% fine sand; low plasticity.
			10						
35		0	14						
36									
37									
38									
39			18						
			24						
40		0.7	28					SW	SAND: black gray; 100% fine to coarse sand; low plasticity.
41								ML	SILT: light brown; 5% clay; 90% silt; 5% fine sand; low plasticity.
42									
43									BOTTOM OF BORING AT 41'
44									



Boring / Well Log

TOXICHEM Management Systems, Inc.

WELL/BORING: E-1
PAGE: 1 of 2
LOGGED BY: M. GAFFNEY

LOCATION: 1705 Berryesa Road	CLIENT/PROJECT: EQ-20.1A
CITY/STATE: San Jose, California	DATE DRILLED: 1/30/02
DRILLED BY: Gregg	NORTHING:
DRILLING METHOD/DIA.: HSA/10"	EASTING:
SAMPLING METHOD: Split Spoon	TOTAL DEPTH: 25'

Grout Type/Qty: Portland	Total Well Depth: 25'
Grout Interval: 0-6'	Casing Dia./Type: 4" Sch 40
Seal Type/Qty: Bentonite	Sand Type/Qty: #2/12 / 6
Seal Interval: 6-8'	Screen Interval: 10-25'

CONSTRUCTION: SEAL	CASING	SEAL	▼ ▽	MOISTURE CONTENT	PID (ppm)	DENSITY BLOWS/6"	DEPTH (FEET)	SAMPLE: INTERVAL	RECOVERY	RETAINED	SOIL GRAPHIC	SOIL TYPE	DESCRIPTION
BACKFILLED WITH GROUT													ASPHALT
							1					SP	GRAVELLY SAND: light brown; grey; 10% silt; 70% fine sand; 20% fine to coarse gravel.
				Dry			2					ML	SILT WITH SAND: light brown olive; 5% clay; 80% silt; 15% fine sand; low plasticity; soft to medium stiff.
							3						
							4						
				Dry			5						
						2							
						3	6						
BENTONITE					59	7							
							7						
							8						
						5	9						@8.5': as above.
						6							@9.5': SILT; dark brown yellow orange mottled; 5% clay; 85% silt; 10% fine sand; low plasticity; organic matter present; medium stiff to stiff.
				Mst	83.5	9	10						
							11						
							12					SW	GRAVELLY SAND: light brown grey; 5% silt; 75% fine to coarse sand; 20% fine to coarse gravel; angular.
				Mst			13						
			▽			5	14					SM	SILTY SAND: light brown; 50% silt; 50% fine to medium sand; no plasticity; loose to medium dense.
				Wt	63.3	15							
						9	15						
#2/12 SAND	4" 0.020" SLOTTED SCREEN						16						
							17						
							18						
						7	19						@18.5': as above.
						11							
				Mst	0	11	20						
							21						
							22						

WELL/BORING LOCATION MAP

SEE PAGE ONE

Boring / Well Log

TOXICHEM Management Systems, Inc.

WELL/BORING: E-1
PAGE: 2 of 2
LOGGED BY: M. GAFFNEY

LOCATION: 1705 Berryesa Road	CLIENT/PROJECT: EQ-20.1A
CITY/STATE: San Jose, California	DATE DRILLED: 1/30/02
DRILLED BY:	NORTHING:
DRILLING METHOD/DIA.:	EASTING:
SAMPLING METHOD:	TOTAL DEPTH:

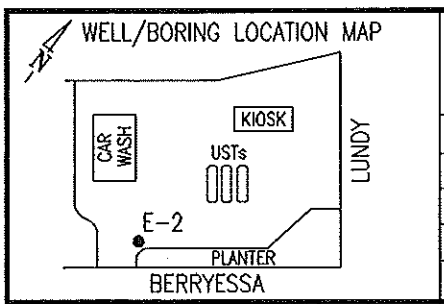
Grout Type/Qty:	Total Well Depth:
Grout Interval:	Casing Dia./Type:
Seal Type/Qty:	Sand Type/Qty:
Seal Interval:	Screen Interval:

CONSTRUCTION: SEAL | CASING | SEAL

#2/12 SAND

0.020" SLOTTED SCREEN

▼	MOISTURE CONTENT	PID (ppm)	DENSITY BLOWS/6"	DEPTH (FEET)	SAMPLE INTERVAL	SAMPLE RECOVERY	SAMPLE RETAINED	SOIL GRAPHIC	SOIL TYPE	DESCRIPTION
				23					ML	SILT WITH SAND: light brown; 5% clay; 80% silt; 15% fine sand; medium plasticity; medium stiff.
	Wt		5	24						
			6							
		0	8	25						BOTTOM OF BORING AT 25'
				26						
				27						
				28						
				29						
				30						
				31						
				32						
				33						
				34						
				35						
				36						
				37						
				38						
				39						
				40						
				41						
				42						
				43						
				44						



Boring / Well Log

TOXICHEM Management Systems, Inc.

WELL/BORING: E-2
PAGE: 1 of 2
LOGGED BY: M. GAFFNEY

LOCATION: 1705 Berryesa Road	CLIENT/PROJECT: EQ-20.1A
CITY/STATE: San Jose, California	DATE DRILLED: 1/30/02
DRILLED BY: Gregg	NORTHING:
DRILLING METHOD/DIA.: HSA/10"	EASTING:
SAMPLING METHOD: Split Spoon	TOTAL DEPTH: 25'

Grout Type/Qty: Portland	Total Well Depth: 25'
Grout Interval: 0-6'	Casing Dia./Type: 4" Sch 40
Seal Type/Qty: Bentonite	Sand Type/Qty: #2/12 / 6
Seal Interval: 6-8'	Screen Interval: 10-25'

CONSTRUCTION: SEAL, CASING, SEAL

BACKFILLED WITH GROUT

BENTONITE

#2/12 SAND

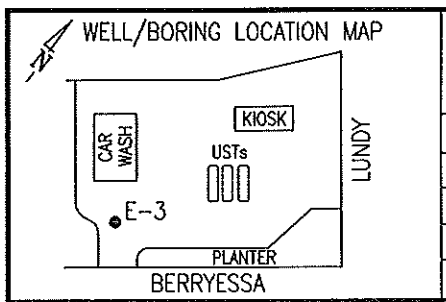
4" 0.020" SLOTTED SCREEN

▼	MOISTURE CONTENT	PID (ppm)	DENSITY BLOWS/6"	DEPTH (FEET)	SAMPLE INTERVAL	RECOVERY	RETAINED	SOIL GRAPHIC	SOIL TYPE	DESCRIPTION
										ASPHALT
				1					ML	SILT: brown; 5% clay; 90% silt; 5% fine sand; medium plasticity.
				2						
				3						
				4						
				5						
	Dry		8							@5': as above; light brown; 5% clay; 85% silt; 10% fine sand; low plasticity.
			9	6						
		0	12							
				7						
				8						
			8	9						@8.5': SANDY SILT; olive light brown mottled; 5% clay; 65% silt; 30% fine sand; low to no plasticity; stiff.
			9							
	Dry	14.5	9	10						
				11						
				12						
				13						
	Mst									
▽			3	14						@13.5': as above.
	Wt		4							@14': as above; light brown; 55% silt; 45% fine to coarse sand; trace fine gravel; no plasticity; soft to medium stiff.
		9.9	7	15						
				16						
				17						
				18						
			6	19						@18.5': as above; light brown; 10% clay; 80% silt; 10% fine sand; low plasticity; medium stiff to stiff.
			7							
	Wt	0	11	20						
				21						
				22						

WELL/BORING LOCATION MAP	Boring / Well Log TOXICHEM Management Systems, Inc.	WELL/BORING: E-2 PAGE: 2 of 2 LOGGED BY: M. GAFFNEY
SEE PAGE ONE	LOCATION: 1705 Berryesa Road	CLIENT/PROJECT: EQ-20.1A
	CITY/STATE: San Jose, California	DATE DRILLED: 1/30/02
	DRILLED BY:	NORTHING:
	DRILLING METHOD/DIA.:	EASTING:
	SAMPLING METHOD:	TOTAL DEPTH:

Grout Type/Qty:	Total Well Depth:
Grout Interval:	Casing Dia./Type:
Seal Type/Qty:	Sand Type/Qty:
Seal Interval:	Screen Interval:

CONSTRUCTION: SEAL	CONSTRUCTION: CASING	CONSTRUCTION: SEAL	▼ ▽	MOISTURE CONTENT	PID (ppm)	DENSITY BLOWS/6"	DEPTH (FEET)	SAMPLE: INTERVAL	SAMPLE: RECOVERY	SAMPLE: RETAINED	SOIL GRAPHIC	SOIL TYPE	DESCRIPTION
#2/12 SAND							23						
						6	24						@23.5': as above; medium stiff.
						7							
				Wt	0	7	25						BOTTOM OF BORING AT 25'
	0.020" SLOTTED SCREEN						26						
							27						
							28						
							29						
							30						
							31						
							32						
							33						
							34						
							35						
							36						
							37						
							38						
							39						
							40						
							41						
							42						
							43						
							44						



Boring / Well Log

TOXICHEM Management Systems, Inc.

WELL/BORING: E-3
PAGE: 1 of 2
LOGGED BY: M. GAFFNEY

LOCATION: 1705 Berryesa Road	CLIENT/PROJECT: EQ-20.1A
CITY/STATE: San Jose, California	DATE DRILLED: 1/30-31/02
DRILLED BY: Gregg	NORTHING:
DRILLING METHOD/DIA.: HSA/10"	EASTING:
SAMPLING METHOD: Split Spoon	TOTAL DEPTH: 25'

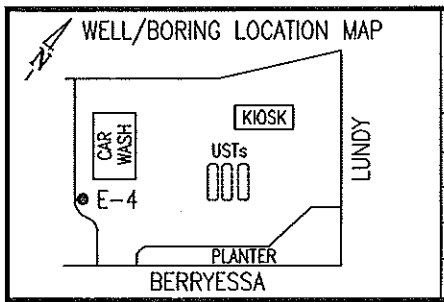
Grout Type/Qty: Portland	Total Well Depth: 25'
Grout Interval: 0-6'	Casing Dia./Type: 4" Sch 40
Seal Type/Qty: Bentonite	Sand Type/Qty: #2/12 / 6
Seal Interval: 6-8'	Screen Interval: 10-25'

CONSTRUCTION: SEAL	CASING	SEAL	▼ ▽	MOISTURE CONTENT	PID (ppm)	DENSITY BLOWS/6"	DEPTH (FEET)	SAMPLE: INTERVAL	RECOVERY	RETAINED	SOIL GRAPHIC	SOIL TYPE	DESCRIPTION
													ASPHALT
							1					ML	SANDY SILT: light brown; 70% silt; 30% fine sand; no plasticity.
BACKFILLED WITH GROUT							2						
							3						
							4						
						3	5						@5': SILT; brown; 5-10% clay; 80% silt; 5-10% fine to medium sand; low plasticity; soft to medium stiff.
						5							
BENTONITE				Dry	0	6	6						
							7						
							8						
						4	9						@8.5': SANDY SILT; light brown; 60% silt; 30% fine to coarse sand; 10% fine gravel; soft to medium stiff.
						6							
				Dry	0.5	7	10						
							11						
							12					SW	GRAVELLY SAND: olive; 10% silt; 60% fine to coarse sand; 30% fine to coarse gravel; medium dense.
							13						
				Mst		20	14						
			▽			20							
				Wt	0	19	15						
#2/12 SAND	4" 0.020" SLOTTED SCREEN						16						
							17						
							18						
				Mst	0.1	10	19					ML	SILT: light brown; 10% clay; 80% silt; 10% fine sand; medium plasticity; stiff to very stiff.
						15							
					0	18	20						
							21						
							22						

WELL/BORING LOCATION MAP	Boring / Well Log TOXICHEM Management Systems, Inc.	WELL/BORING: E-3 PAGE: 2 of 2 LOGGED BY: M. GAFFNEY
SEE PAGE ONE	LOCATION: 1705 Berryesa Road	CLIENT/PROJECT: EQ-20.1A
	CITY/STATE: San Jose, California	DATE DRILLED: 1/30-31/02
	DRILLED BY:	NORTHING:
	DRILLING METHOD/DIA.:	EASTING:
	SAMPLING METHOD:	TOTAL DEPTH:

Grout Type/Qty:	Total Well Depth:
Grout Interval:	Casing Dia./Type:
Seal Type/Qty:	Sand Type/Qty:
Seal Interval:	Screen Interval:

CONSTRUCTION: SEAL	CONSTRUCTION: CASING	CONSTRUCTION: SEAL	▼ ▽	MOISTURE CONTENT	PID (ppm)	DENSITY BLOWS/6"	DEPTH (FEET)	SAMPLE: INTERVAL	SAMPLE: RECOVERY	SAMPLE: RETAINED	SOIL GRAPHIC	SOIL TYPE	DESCRIPTION
#2/12 SAND							23						
				Wt		11	24						@23.5': as above; medium stiff to stiff.
						6							
					0	8	25						BOTTOM OF BORING AT 25'
	0.020" SLOTTED SCREEN						26						
							27						
							28						
							29						
							30						
							31						
							32						
							33						
							34						
							35						
							36						
							37						
							38						
							39						
							40						
							41						
							42						
							43						
							44						



Boring / Well Log

TOXICHEM Management Systems, Inc.

WELL/BORING: E-4
PAGE: 1 of 2
LOGGED BY: M. GAFFNEY

LOCATION: 1705 Berryesa Road	CLIENT/PROJECT: EQ-20.1A
CITY/STATE: San Jose, California	DATE DRILLED: 1/30/02
DRILLED BY: Gregg	NORTHING:
DRILLING METHOD/DIA.: HSA/10"	EASTING:
SAMPLING METHOD: Split Spoon	TOTAL DEPTH: 25'

Grout Type/Qty: Portland	Total Well Depth: 25'
Grout Interval: 0-6'	Casing Dia./Type: 4" Sch 40
Seal Type/Qty: Bentonite	Sand Type/Qty: #2/12 / 6
Seal Interval: 6-8'	Screen Interval: 10-25'

CONSTRUCTION: SEAL, CASING, SEAL

BACKFILLED WITH GROUT

BENTONITE

#2/12 SAND

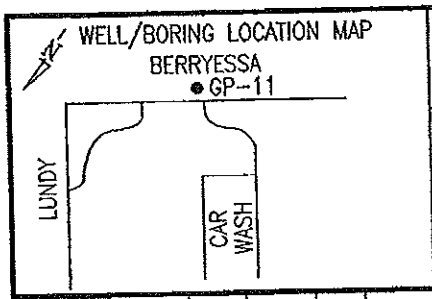
4" 0.020" SLOTTED SCREEN

DEPTH (FEET)	MOISTURE CONTENT	PID (ppm)	DENSITY BLOWS/6"	SOIL TYPE	DESCRIPTION
1				ML	SANDY SILT: brown; 5% clay; 65% silt; 25% fine sand; 5% fine gravel; sub-rounded; low plasticity.
2					
3					
4					
5			3		@5': as above; soft.
6	Dry	0	3		
7					
8					
9			8 9		@8.5': SILT; olive; 10% clay; 80% silt; 10% fine sand; medium plasticity; stiff.
10	Dry	0	12		
11					
12				SW	GRAVELLY SAND: grey green; 10% silt; 60% fine to coarse sand; 30% fine to coarse gravel; medium dense.
13					
14	Wt		15 20		
15		8.1	18		
16					
17				ML	SILT: light brown; 10% clay; 80% silt; 10% fine sand; medium plasticity; medium stiff to stiff.
18					
19	Wt		5 9		
20		6.1	14		
21					
22					

WELL/BORING LOCATION MAP	Boring / Well Log TOXICHEM Management Systems, Inc.	WELL/BORING: E-4 PAGE: 2 of 2 LOGGED BY: M. GAFFNEY
SEE PAGE ONE	LOCATION: 1705 Berryesa Road	CLIENT/PROJECT: EQ-20.1A
	CITY/STATE: San Jose, California	DATE DRILLED: 1/30/02
	DRILLED BY:	NORTHING:
	DRILLING METHOD/DIA.:	EASTING:
	SAMPLING METHOD:	TOTAL DEPTH:

Grout Type/Qty:	Total Well Depth:
Grout Interval:	Casing Dia./Type:
Seal Type/Qty:	Sand Type/Qty:
Seal Interval:	Screen Interval:

CONSTRUCTION: SEAL	CASING	SEAL	▼	MOISTURE CONTENT	PID (ppm)	DENSITY BLOWS/6"	DEPTH (FEET)	SAMPLE: INTERVAL	RECOVERY	RETAINED	SOIL GRAPHIC	SOIL TYPE	DESCRIPTION
#2/12 SAND							23						@23.5': as above; medium stiff.
						8	24						
						9							
					12.7	13	25						BOTTOM OF BORING AT 25'
0.020" SLOTTED SCREEN							26						
							27						
							28						
							29						
							30						
							31						
							32						
							33						
							34						
							35						
							36						
							37						
							38						
							39						
							40						
							41						
							42						
							43						
							44						



Boring / Well Log

TOXICHEM Management Systems, Inc.

WELL/BORING: GP-11
PAGE: 1 of 2
LOGGED BY: M. GAFFNEY

LOCATION: 1705 Berryesa Road	CLIENT/PROJECT: EQ-20.1B
CITY/STATE: San Jose, California	DATE DRILLED: 11/28/01
DRILLED BY: Gregg	NORTHING:
DRILLING METHOD/DIA.: Geoprobe	EASTING:
SAMPLING METHOD: Hydropunch	TOTAL DEPTH: 43'

Grout Type/Qty:	Total Well Depth:
Grout Interval:	Casing Dia./Type:
Seal Type/Qty:	Sand Type/Qty:
Seal Interval:	Screen Interval:

CONSTRUCTION: SEAL, CASING, SEAL

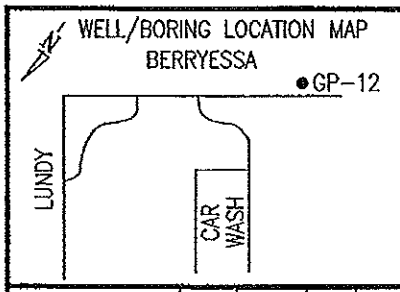
BACKFILLED WITH GROUT

DEPTH (FEET)	MOISTURE CONTENT	PID (ppm)	DENSITY BLOWS/6"	SOIL TYPE	DESCRIPTION
					ASPHALT
1	Dry			SP	SAND: brown; 100% fine sand.
2					
3				ML	SANDY SILT: brown; 60% silt; 40% fine sand; trace gravel; organics.
4					
5					
6					SILT: brown; 100% silt; trace gravel; trace sand; organic.
7					
8	Dry			SP	SAND: olive; 90% sand; 10% gravel.
9					
10		0			
11					
12	Mst	0			GRAVELLY SAND: yellowish orange; 70% fine sand; 30% gravel; up to 1-½" diameter.
13	Wt				
14					
15					
16					
17					
18		0		ML	SANDY SILT: light brown; 60% silt; 40% fine sand.
19					
20	Mst				@20': as above.
21	Wt Mst				@21': as above.
22		0			

WELL/BORING LOCATION MAP	Boring / Well Log TOXICHEM Management Systems, Inc.	WELL/BORING: GP-11 PAGE: 2 of 2 LOGGED BY: M. GAFFNEY
SEE PAGE ONE	LOCATION: 1705 Berryesa Road	CLIENT/PROJECT: EQ-20.1B
	CITY/STATE: San Jose, California	DATE DRILLED: 11/28/01
	DRILLED BY: Gregg	NORTHING:
	DRILLING METHOD/DIA.: Geoprobe	EASTING:
	SAMPLING METHOD: Hydropunch	TOTAL DEPTH: 43'

Grout Type/Qty:	Total Well Depth:
Grout Interval:	Casing Dia./Type:
Seal Type/Qty:	Sand Type/Qty:
Seal Interval:	Screen Interval:

CONSTRUCTION: SEAL	CASING	SEAL	▼▽	MOISTURE CONTENT	PID (ppm)	DENSITY BLOWS/6"	DEPTH (FEET)	SAMPLE: INTERVAL	RECOVERY	RETAINED	SOIL GRAPHIC	SOIL TYPE	DESCRIPTION
BACKFILLED WITH GROUT							23						
					0		24						@24': as above.
							25						
				Wt			26					SM	SILTY SAND: 50% silt; 50% sand.
							27					ML	SANDY SILT: light brown; 60% silt; 30% fine sand; 10% gravel; angular; up to ½" diameter.
							28						
							29						
					0		30						
				Wt			31						
							32						@32': as above; light brown; 80% silt; 20% sand.
							33						
							34						SILT: brown; 90% silt; 10% sand.
							35						
							36						
							37						
							38						
				Wt			39						
							40					SP	SAND: light brown; 90% medium to coarse sand; 10% gravel; angular.
				Dry	0		41						
							42					ML	SANDY SILT: gray; 60% silt; 40% fine sand.
				Dry			43						BOTTOM OF BORING AT 43'
							44						



Boring / Well Log

TOXICHEM Management Systems, Inc.

WELL/BORING: GP-12
PAGE: 1 of 2
LOGGED BY: M. GAFFNEY

LOCATION: 1705 Berryesa Road	CLIENT/PROJECT: EQ-20.1B
CITY/STATE: San Jose, California	DATE DRILLED: 11/28/01
DRILLED BY: Gregg	NORTHING:
DRILLING METHOD/DIA.: Geoprobe	EASTING:
SAMPLING METHOD: Hydropunch	TOTAL DEPTH: 43'

Grout Type/Qty:	Total Well Depth:
Grout Interval:	Casing Dia./Type:
Seal Type/Qty:	Sand Type/Qty:
Seal Interval:	Screen Interval:

CONSTRUCTION (SEAL / CASING / SEAL)	▼	MOISTURE CONTENT	PID (ppm)	DENSITY BLOWS/6"	DEPTH (FEET)	SAMPLE (INTERVAL / RECOVERY / RETAINED)	SOIL GRAPHIC	SOIL TYPE	DESCRIPTION
BACKFILLED WITH GROUT									ASPHALT
					1				
					2				
					3				
					4				
		Dry			5			ML	SILT: brown green; 75% silt; 25% fine sand; trace gravel.
					6				
					7				
			0		8				
					9				
					10				
					11			SM	SILTY SAND: light brown; 30% silt; 65% fine sand; 5% angular gravel.
			0		12				
					13				
					14				
					15				
		Mst			16				@16': as above.
					17				
					18				
					19			ML	SANDY SILT: light brown; 70% silt; 30% fine sand.
					20				
					21				
					22				@22.5': as above.

WELL/BORING LOCATION MAP	Boring / Well Log TOXICHEM Management Systems, Inc.	WELL/BORING: GP-12 PAGE: 2 of 2 LOGGED BY: M. GAFFNEY
SEE PAGE ONE	LOCATION: 1705 Berryesa Road	CLIENT/PROJECT: EQ-20.1B
	CITY/STATE: San Jose, California	DATE DRILLED: 11/28/01
	DRILLED BY: Gregg	NORTHING:
	DRILLING METHOD/DIA.: Geoprobe	EASTING:
	SAMPLING METHOD: Hydropunch	TOTAL DEPTH: 38.5'

Grout Type/Qty:	Total Well Depth:
Grout Interval:	Casing Dia./Type:
Seal Type/Qty:	Sand Type/Qty:
Seal Interval:	Screen Interval:

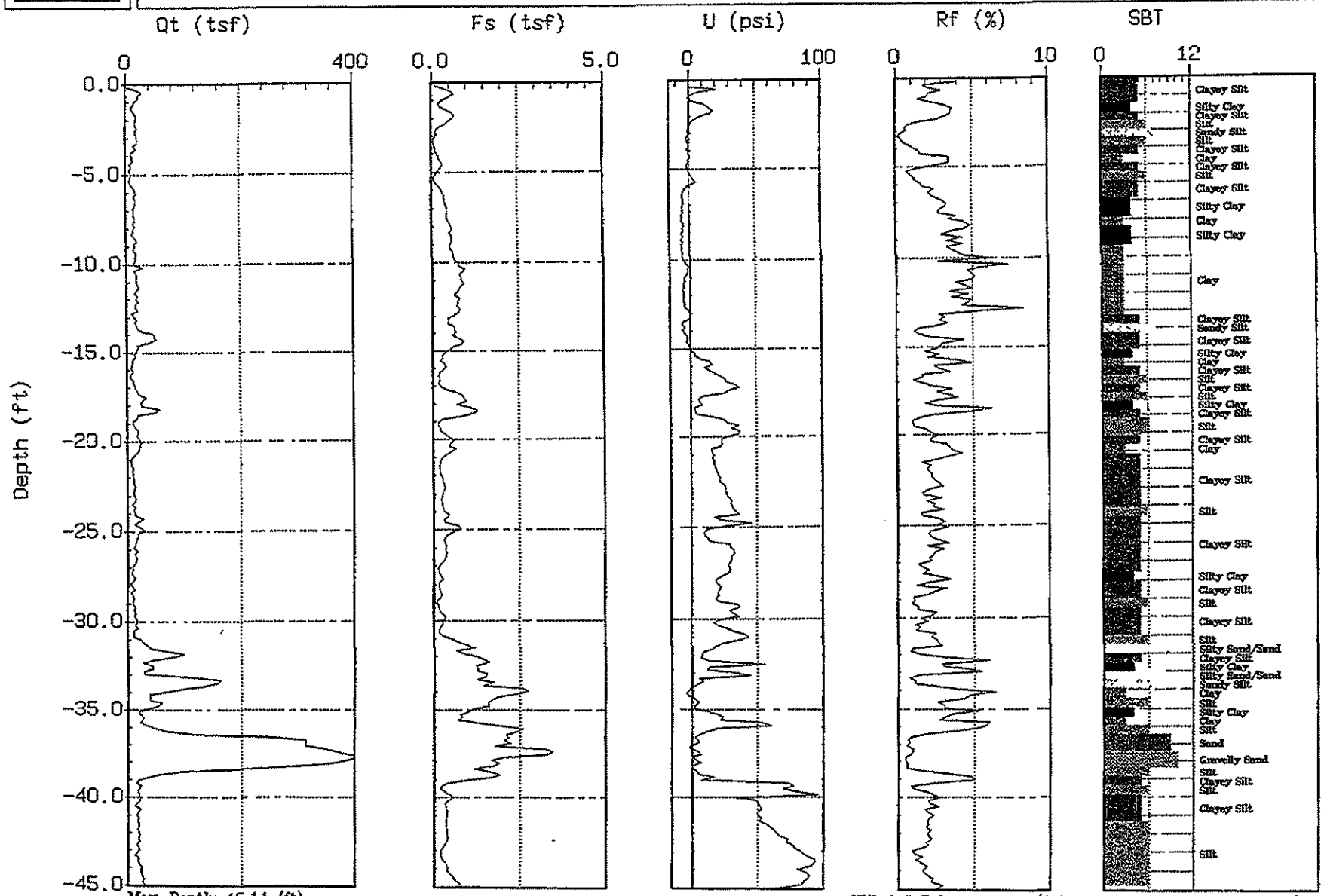
CONSTRUCTION: SEAL	CASING	SEAL	▼ ▽	MOISTURE CONTENT	PID (ppm)	DENSITY BLOWS/6"	DEPTH (FEET)	SAMPLE: INTERVAL	RECOVERY	RETAINED	SOIL GRAPHIC	SOIL TYPE	DESCRIPTION
BACKFILLED WITH GROUT							23						
							24					SP	SAND: light brown; 100% fine to medium sand.
							25					SM	SILTY SAND: light brown; 70% silt; 30% fine sand.
							26						
							27						
							28						
							29						@29': as above.
							30						SILTY SAND: light brown; 80% silt; 20% sand.
							31						
							32						
							33						
							34					SW	SAND: light brown; 90% fine to coarse sand; 10% angular gravel.
							35						
							36						
							37						
							38						@38.5': refusal.
							39						BOTTOM OF BORING AT 38.5'
							40						
							41						
							42						
							43						
							44						

GREGG

TOXICHEM

Site : 1705 BERRYESSA RD.
Location : CPT-1

Geologist: K. PECK
Date : 05:16:01 09:01



Max. Depth: 45.11 (ft)

Depth Inc.: 0.164 (ft)

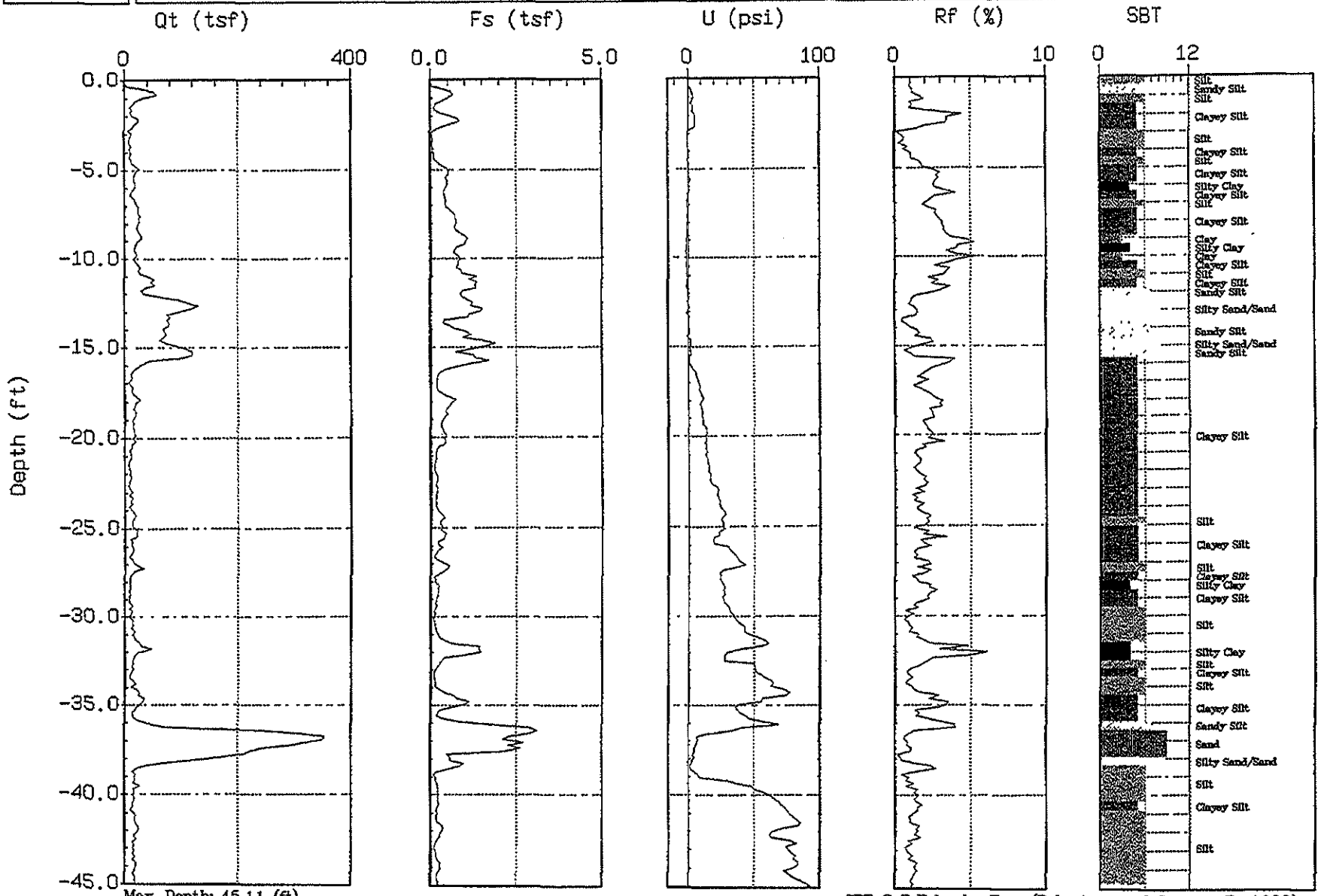
SBT: Soil Behavior Type (Robertson and Campanella 1988)

GREGG

TOXICHEM

Site : 1705 BERRYESSA RD.
Location : CPT-2

Geologist: K. PECK
Date : 05:16:01 13:57



Max. Depth: 45.11 (ft)

Depth Inc.: 0.164 (ft)

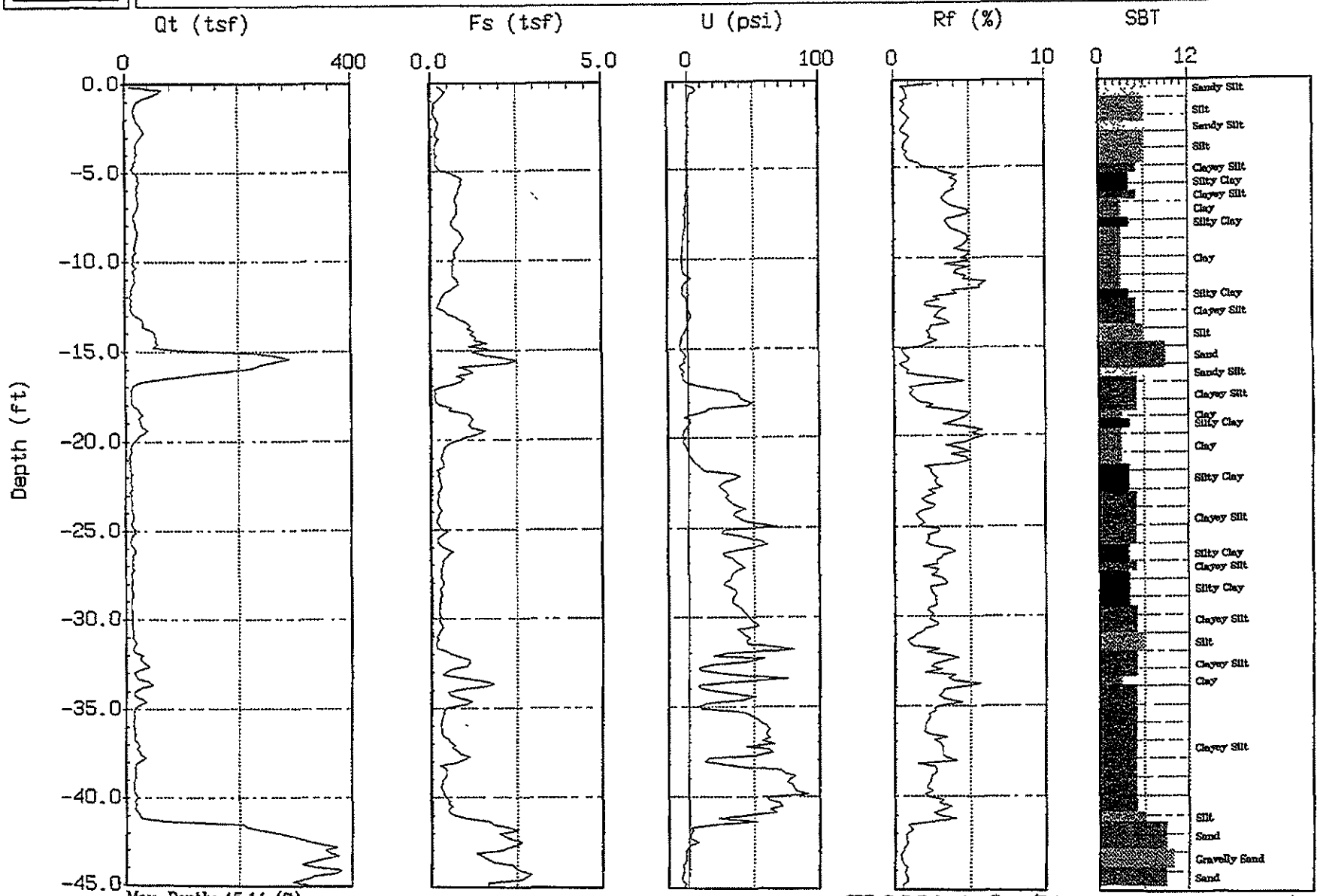
SBT: Soil Behavior Type (Robertson and Campanella 1988)

GREGG

TOXICHEM

Site : 1705 BERRYESSA RD
Location : CPT-03

Geologist: K. Peck
Date : 05:17:01 09:39



Max. Depth: 45.11 (ft)
Depth Inc.: 0.164 (ft)

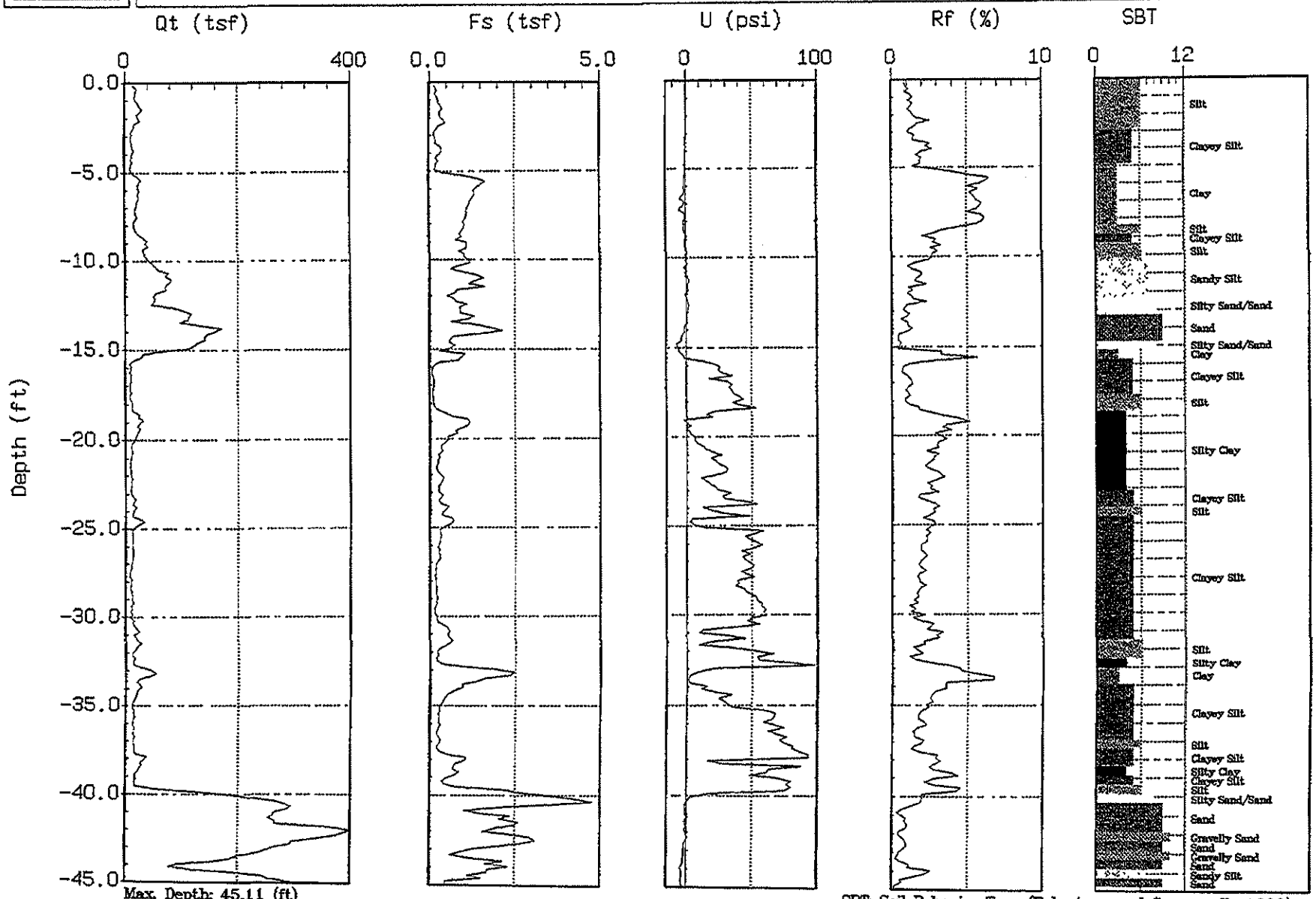
SBT: Soil Behavior Type (Robertson and Campanella 1988)

GREGG

TOXICHEM

Site : 1705 Berryessa Rd.
Location : CPT-04

Geologist: K. Peck
Date : 05:17:01 10:29



Max. Depth: 45.11 (ft)

Depth Inc.: 0.164 (ft)

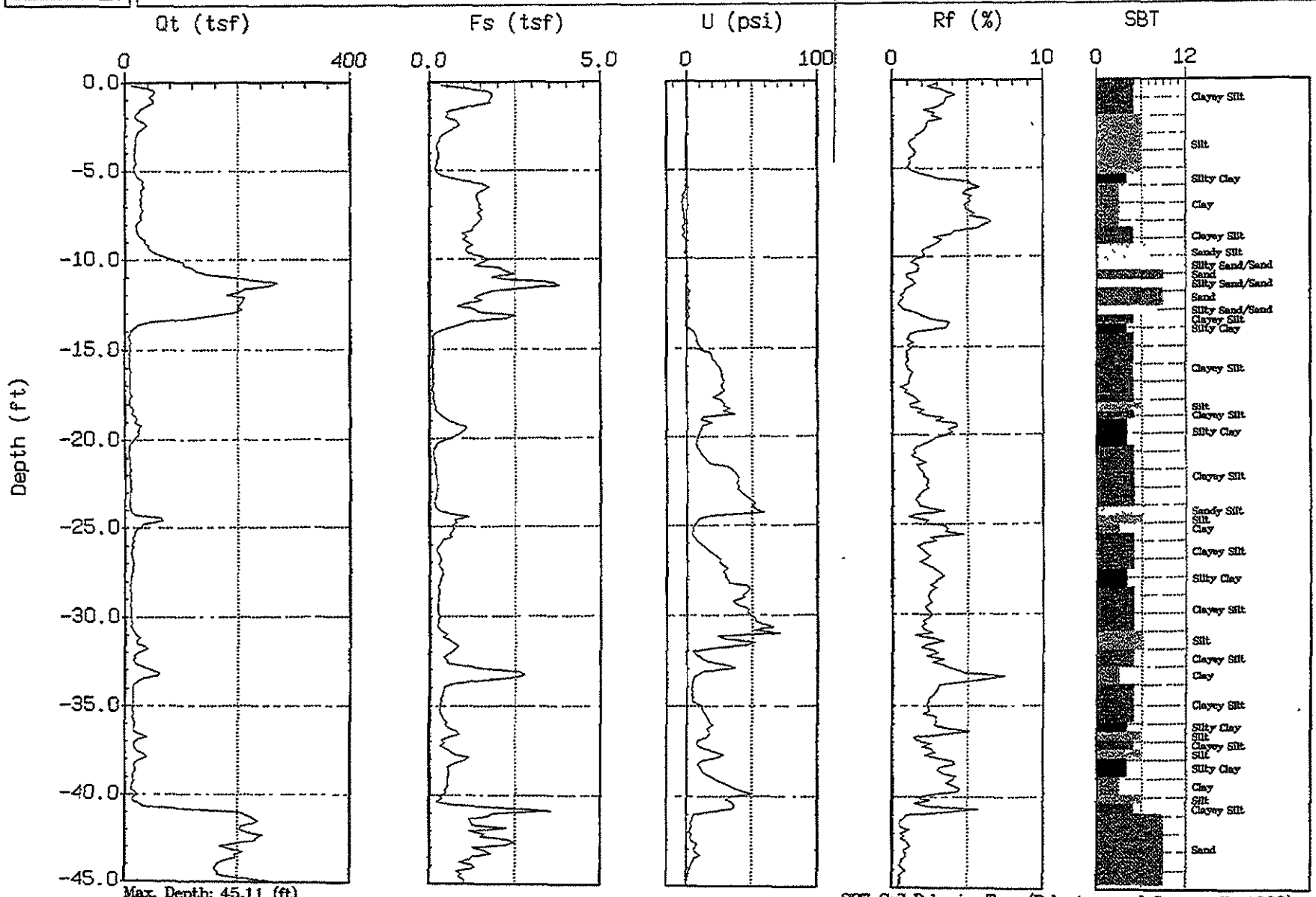
SBT: Soil Behavior Type (Robertson and Campanella 1988)

GREGG

TOXICHEM

Site : 1705 Berryessa Rd.
Location : CPT-05

Geologist: K. Peck
Date : 05:17:01 11:03



Max. Depth: 45.11 (ft)
Depth Inc.: 0.164 (ft)

SBT: Soil Behavior Type (Robertson and Campanella 1988)

APPENDIX D

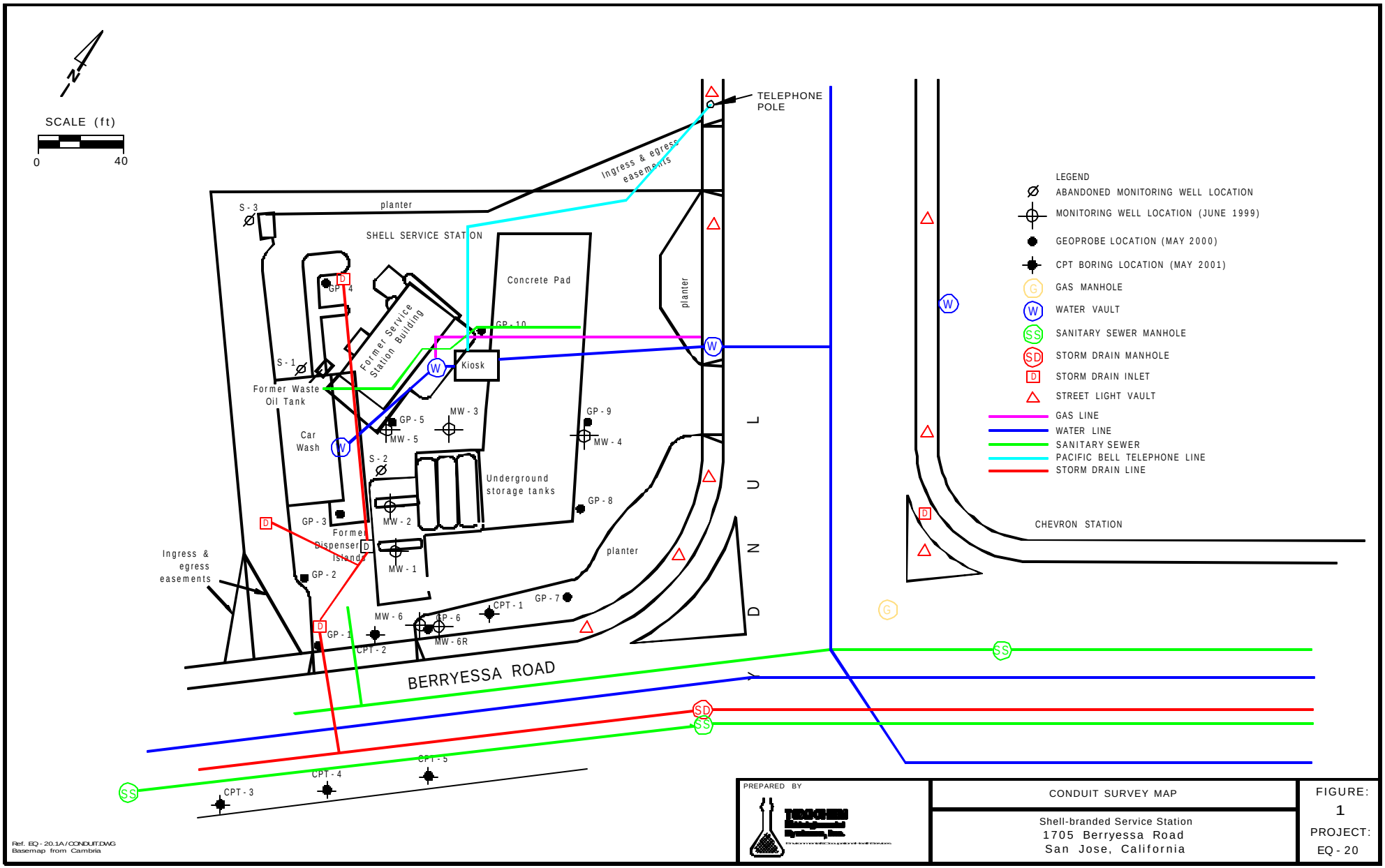
SENSITIVE RECEPTOR AND UTILITY SURVEY INFORMATION

Table 1
Well Survey Data

Current Shell-Branded Service Station
1705 Berryessa Road, San Jose, California

Well Number	Location	Proximity to Site	Type of Well	Status	Useage	Depth (feet, bgs)	Screen Interval (feet, bgs)	Comments
06S01E28G005	NA	~2,250' E	NA	NA	NA	NA	NA	NA
06S01E28M001	Unknown	~2,250' N-NW	Unknown	Destroyed	Unknown	Unknown	Unknown	No evidence of type
06S01E28N001	Unknown	~1,750' NW	Unknown	Destroyed	Unknown	Unknown	Unknown	Sealed with concrete
06S01E28N002	70'W Lundy Ave/1,180'N Berryessa Rd	~1,250' NW	Unknown	Destroyed	Unknown	Unknown	Unknown	Sealed with concrete
06S01E28N003	1,090'N Berryessa Rd/100'W Lundy Ave	~750' NW	Unknown	Destroyed	Unknown	Unknown	Unknown	Sealed with concrete
06S01E28N004	445'S Vinci Prkwy/165'E Lundy Ave	~1,500' NW	Unlined Pond	Destroyed	Unknown	Unknown	Unknown	
06S01E28N005	Unknown	~250' NW	Unknown	Destroyed	Unknown	Unknown	Unknown	Sealed with concrete
06S01E28P001	Unknown	~1,000' NE	Unknown	Destroyed	Unknown	Unknown	Unknown	Sealed with concrete
06S01E28P002	Unknown	~1,500' NE-E	Unknown	Destroyed	Unknown	Unknown	Unknown	No evidence of type
06S01E28P003	450'S Berryessa Rd/475'E Junesong Wy	~1,500' NE-E	Unknown	Destroyed	Unknown	Unknown	Unknown	Sealed with concrete
06S01E28P004	Unknown	~2,000' NE	Unknown	Destroyed	Unknown	Unknown	Unknown	Sealed with concrete
06S01E28P005	227'S Berryessa Rd/298'E Junesong Wy	~1,500' NE	Water Supply	Active	Agricultural	289	189-289	
06S01E29J003	222'N Vinci Park Dr/260'E Lundy Ave	~2,250' NW	Water Supply	Active	Domestic	Unknown	Unknown	
06S01E29J005	Unknown	~2,500' NW	Unknown	Destroyed	Unknown	Unknown	Unknown	Sealed with concrete
06S01E29J006	Unknown	~2,250' NW	Unknown	Destroyed	Unknown	Unknown	Unknown	No evidence of type
06S01E32B001	1,450'N Berryessa Rd/325'E Cornish Ln	~2,500' W-SW	Water Supply	Destroyed	Municipal & Industrial	Unknown	Unknown	
06S01E32H001	300'S Berryessa Rd/1,570'W King Rd	~2,000' SW	Water Supply	Active	Municipal & Industrial	Unknown	Unknown	
06S01E32H002	Unknown	~2,250' SW	Unknown	Destroyed	Unknown	Unknown	Unknown	No evidence of type
06S01E32H004	Unknown	~2,500' SW	Unknown	Destroyed	Unknown	Unknown	Unknown	No evidence of type
06S01E32H010	Unknown	~1,750' SW	Unknown	Destroyed	Unknown	Unknown	Unknown	No evidence of type
06S01E33B001	Unknown	~2,500' E-SE	Unknown	Destroyed	Unknown	Unknown	Unknown	Sealed with concrete
06S01E33C001	Unknown	~1,500' E-SE	Unknown	Destroyed	Unknown	Unknown	Unknown	Sealed with concrete
06S01E33C002	Unknown	~1,000' E	Unknown	Destroyed	Unknown	Unknown	Unknown	No evidence of type
06S01E33C003	NA	~1,500' E-SE	NA	NA	NA	NA	NA	NA
06S01E33D002	Unknown	~300' S	Unknown	Destroyed	Unknown	Unknown	Unknown	No evidence of type
06S01E33D003	700'S Berryessa Rd/150'W N King Rd	~1,750' S-SE	Water Supply	Active	Agricultural	Unknown	Unknown	
06S01E33D004	161'N Berryessa Rd/1073 Lundy Ave	~1,000' SW	Unknown	Inactive	Unknown	Unknown	Unknown	
06S01E33D006	1,050'S Berryessa Rd/30'W N King Rd	~1,000' S	Water Supply	Active	Domestic	Unknown	Unknown	
06S01E33E001	Unknown	~2,000' S-SW	Unknown	Destroyed	Unknown	Unknown	Unknown	No evidence of type
06S01E33F002	Unknown	~2,250' SE	Unknown	Destroyed	Unknown	Unknown	Unknown	Sealed with concrete
06S01E33F004	Unknown	~1,500' S-SE	Unknown	Destroyed	Unknown	Unknown	Unknown	Sealed with concrete
06S01E33F005	Unknown	~2,500' SE-S	Unknown	Destroyed	Unknown	Unknown	Unknown	Sealed with concrete
06S01E33F006	580'N Mabury Rd/800'E N King Rd	~2,250' SE	Water Supply	Active	Municipal & Industrial	Unknown	Unknown	
06S01E33F010	865'N Mabury Rd/575'E N King Rd	~1,750' SE	Water Supply	Active	Municipal & Industrial	Unknown	Unknown	
06S01E33F011	Unknown	~2,250' SE-S	Unknown	Destroyed	Unknown	Unknown	Unknown	Sealed with concrete

bgs = Below ground surface
NA = Not available



Ref. EQ - 20.1A/CONDUIT.DWG
Basemap from Cambria

PREPARED BY

TERRA-CHEM Environmental Engineering, Inc.

CONDUIT SURVEY MAP

Shell-branded Service Station
1705 Berryessa Road
San Jose, California

FIGURE: 1

PROJECT: EQ - 20

Backup Report

SAP Number:	136010	Latitude:	37.37381
Region:	Western	Longitude:	-121.87390
Street:	1705 BERRYESSA	Lat. / Long. Field Verified:	Yes
City:	SAN JOSE	Environmentally Active:	Yes
Country:	USA	Land Use:	
State:	CA	PEC:	TOXICHEM MGT SYSTEMS INC
Zip:	95150-0000	EE:	Campagna
Lat. / Long. Field Verification Reference:		FV-1	
Investment Site:		Yes	

All Receptors:

Distance	Direction	Receptor Type	Well Name / ID	OI	OV	FV	Reference	Notes
2860	NE	Agricultural Well		Yes	No	Attempted Field Verified	OI-1, OI-2, FV-1	Big empty strawberry field.
2144	NW	Drinking Water Well - Homeowner Single Family Residence	6S/1E-29J003	Yes	No	Field Verified	OI-1, OI-2, FV-1, FV-2a, FV-2b, FV -12	
888	NW	Drinking Water Well - Public/Municipal	6S/1E-32G001	Yes	No	Attempted Field Verified	DL136010.doc, OI-1, OI-2, FV-1	San Jose Water Company
1080	SW	Agricultural Well		Yes	No	Attempted Field Verified	OI-1, OI-2, FV-1	
1895	SW	Drinking Water Well - Public/Municipal	6S/1E-32H001	Yes	Yes	Field Verified	OI-1, OI-2, OV-2, FV-1, FV-3, FV-12	The only well at the Flea Market.
2900	SW	Drinking Water Well - Homeowner Single Family Residence	6S/1E-33M010	Yes	No	Attempted Field Verified	OI-1, OI-2, FV-1	
2900	SW	Drinking Water Well - Homeowner Single Family Residence	6S/1E-33M011	Yes	No	Attempted Field Verified	OI-1, OI-2, FV-1	
3353	SW	Drinking Water Well - Public/Municipal	6S/1E-32J001	Yes	Yes	Field Verified	OI-1, OI-2, OV-3, FV-1, FV-4, FV-12	SRDC Inc.
2219	SE	Drinking Water Well - Public/Municipal	6S/1E-33F006	Yes	No	Field Verified	DL136010.doc, OI-1, OI-2, FV-1, FV-5, FV	San Jose Water Company
2448	SE	Drinking Water Well - Public/Municipal	6S/1E-33F010	Yes	No	Field Verified	DL136010.doc, OI-1, OI-2, FV-1, FV-7, FV	San Jose Water Company
5289	NW	Drinking Water Well - Public/Municipal	6S/1E-29M001	Yes	Yes	Field Verified	OI-1, OI-2, OV-4, FV-1, FV-9, FV-12	San Jose Municipal Golf Course
4001	NW	Drinking Water Well - Public/Municipal	6S/1E-32C001	Yes	Yes	Field Verified	OI-1, OI-2, OV-4, FV-1, FV-8, FV-12	San Jose Municipal Golf Course
3916	NW	Drinking Water Well - Public/Municipal	6S/1E-29P004	Yes	Yes	Field Verified	OI-1, OI-2, OV-4, FV-1, FV-10, FV-12	San Jose Municipal Golf Course
3560	SE	Drinking Water Well - Public/Municipal	6S/1E-33A004	Yes	No	Field Verified	OI-1, OI-2	
3660	SE	Drinking Water Well - Homeowner Single Family Residence	6S/1E-33A001	Yes	No	Field Verified	OI-1, OI-2	
4350	SE	Drinking Water Well - Public/Municipal	6S/1E-33P002	Yes	No	Field Verified	OI-1, OI-2	
3700	NE	Agricultural Well		Yes	No	Field Verified	OI-1, OI-2	
3700	SW	Drinking Water Well - Public/Municipal	E43/027-PENITEN	Yes	No	Field Verified	DL136010.doc, OI-2	Santa Clara Valley Water District
2992	SW	Surface Water Body		Yes	No	Field Verified	DL136010.doc, OI-2, FV-1, FV-11, FV-12	
1795	S	Drinking Water Well - Public/Municipal		No	No	Field Verified	FV-1,FV-6,FV-11	

Receptor Type: Agricultural Well
Name: 6S/1E-28K001
Address: 13100 Berryessa Rd
City: San Jose State: California
Zip: 95133 Phone:
Contact Name:
Direction: NE Distance: 2860
Elevation: Datum:
Survey Date: 08/10/2005 Photo Number:
Office Identified: Yes Owner Verified: No
Field Verification Status: Attempted Field Verified
Latitude: Longitude:
Lat/Long Verification:
Lat/Long Error:
Reference Information: OI-1, OI-2, FV-1
Notes: Big empty strawberry field.

Include Receptor in SRS? No
Field Verification Instructions/Comments:

Attachments:

Other Well Name and ID: Permit Number:
Status:
Description:

Maximum Extraction Rate: Extraction Rate:
Units: Number of Connections:
Total Depth:
Screen 1 Top: Screen 1 Bottom:
Screen 2 Top: Screen 2 Bottom:
Screen 3 Top: Screen 3 Bottom:
Screen 4 Top: Screen 4 Bottom:
Screen 5 Top: Screen 5 Bottom:
Screen 6 Top: Screen 6 Bottom:
Aquifer 1 Name: Aquifer 1 Top: Aquifer 1 Bottom:
Aquifer 2 Name: Aquifer 2 Top: Aquifer 2 Bottom:
Aquifer 3 Name: Aquifer 3 Top: Aquifer 3 Bottom:
Aquifer 4 Name: Aquifer 4 Top: Aquifer 4 Bottom:
Aquifer 5 Name: Aquifer 5 Top: Aquifer 5 Bottom:
Aquifer 6 Name: Aquifer 6 Top: Aquifer 6 Bottom:
% of Agency Coverage: Operation Frequency:
Well Address:

Receptor Type: Drinking Water Well - Homeowner Single Family Residence
Name:
Address: 1300 Lundy Ave
City: San Jose State: California
Zip: 95131 Phone:
Contact Name:
Direction: NW Distance: 2144
Elevation: 101 Datum: WGS 84
Survey Date: 08/10/2005 Photo Number:
Office Identified: Yes Owner Verified: No
Field Verification Status: Field Verified
Latitude: 37.37910 Longitude: -121.87711
Lat/Long Verification: Field Verified
Lat/Long Error: 26
Reference Information: OI-1, OI-2, FV-1, FV-2a, FV-2b, FV-12
Notes:

Include Receptor in SRS? No
Field Verification Instructions/Comments:

Attachments:

Other Well Name and ID: 6S/1E-29J003 Permit Number:
Status: Operating
Description:

Maximum Extraction Rate: Extraction Rate:
Units: Number of Connections:
Total Depth:
Screen 1 Top: Screen 1 Bottom:
Screen 2 Top: Screen 2 Bottom:
Screen 3 Top: Screen 3 Bottom:
Screen 4 Top: Screen 4 Bottom:
Screen 5 Top: Screen 5 Bottom:
Screen 6 Top: Screen 6 Bottom:
Aquifer 1 Name: Aquifer 1 Top: Aquifer 1 Bottom:
Aquifer 2 Name: Aquifer 2 Top: Aquifer 2 Bottom:
Aquifer 3 Name: Aquifer 3 Top: Aquifer 3 Bottom:
Aquifer 4 Name: Aquifer 4 Top: Aquifer 4 Bottom:
Aquifer 5 Name: Aquifer 5 Top: Aquifer 5 Bottom:
Aquifer 6 Name: Aquifer 6 Top: Aquifer 6 Bottom:
% of Agency Coverage: Operation Frequency:
Well Address:

Receptor Type: Drinking Water Well - Public/Municipal
Name: Berryessa Well 01
Address: Taida Street
City: San Jose State: California
Zip: 95131 Phone:
Contact Name:
Direction: NW Distance: 888
Elevation: Datum:
Survey Date: 08/10/2005 Photo Number:
Office Identified: Yes Owner Verified: No
Field Verification Status: Attempted Field Verified
Latitude: Longitude:
Lat/Long Verification:
Lat/Long Error:
Reference Information: DL136010.doc, OI-1, OI-2, FV-1
Notes: San Jose Water Company

Include Receptor in SRS? No
Field Verification Instructions/Comments:

Attachments:

Other Well Name and ID: 6S/1E-32G001 Permit Number:
Status: Operating
Description:

Maximum Extraction Rate: Extraction Rate:
Units: Number of Connections:
Total Depth:
Screen 1 Top: Screen 1 Bottom:
Screen 2 Top: Screen 2 Bottom:
Screen 3 Top: Screen 3 Bottom:
Screen 4 Top: Screen 4 Bottom:
Screen 5 Top: Screen 5 Bottom:
Screen 6 Top: Screen 6 Bottom:
Aquifer 1 Name: Aquifer 1 Top: Aquifer 1 Bottom:
Aquifer 2 Name: Aquifer 2 Top: Aquifer 2 Bottom:
Aquifer 3 Name: Aquifer 3 Top: Aquifer 3 Bottom:
Aquifer 4 Name: Aquifer 4 Top: Aquifer 4 Bottom:
Aquifer 5 Name: Aquifer 5 Top: Aquifer 5 Bottom:
Aquifer 6 Name: Aquifer 6 Top: Aquifer 6 Bottom:
% of Agency Coverage: Operation Frequency:
Well Address:

Receptor Type: Agricultural Well
Name: 6S/1E-33D004
Address: 1655 Berryessa Rd
City: San Jose State: California
Zip: 95133 Phone:
Contact Name:
Direction: SW Distance: 1080
Elevation: Datum:
Survey Date: 08/10/2005 Photo Number:
Office Identified: Yes Owner Verified: No
Field Verification Status: Attempted Field Verified
Latitude: Longitude:
Lat/Long Verification:
Lat/Long Error:
Reference Information: OI-1, OI-2, FV-1
Notes:

Include Receptor in SRS? No
Field Verification Instructions/Comments:

Attachments:

Other Well Name and ID: Permit Number:
Status:
Description:

Maximum Extraction Rate: Extraction Rate:
Units: Number of Connections:
Total Depth:
Screen 1 Top: Screen 1 Bottom:
Screen 2 Top: Screen 2 Bottom:
Screen 3 Top: Screen 3 Bottom:
Screen 4 Top: Screen 4 Bottom:
Screen 5 Top: Screen 5 Bottom:
Screen 6 Top: Screen 6 Bottom:
Aquifer 1 Name: Aquifer 1 Top: Aquifer 1 Bottom:
Aquifer 2 Name: Aquifer 2 Top: Aquifer 2 Bottom:
Aquifer 3 Name: Aquifer 3 Top: Aquifer 3 Bottom:
Aquifer 4 Name: Aquifer 4 Top: Aquifer 4 Bottom:
Aquifer 5 Name: Aquifer 5 Top: Aquifer 5 Bottom:
Aquifer 6 Name: Aquifer 6 Top: Aquifer 6 Bottom:
% of Agency Coverage: Operation Frequency:
Well Address:

Receptor Type: Drinking Water Well - Public/Municipal
Name: Flea Market Well
Address: 1590 Berryessa Rd
City: San Jose State: California
Zip: 95133 Phone:
Contact Name:
Direction: SW Distance: 1895
Elevation: 175 Datum: WGS 84
Survey Date: 08/10/2005 Photo Number:
Office Identified: Yes Owner Verified: Yes
Field Verification Status: Field Verified
Latitude: 37.36969 Longitude: -121.87787
Lat/Long Verification: Field Verified
Lat/Long Error: 25
Reference Information: OI-1, OI-2, OV-2, FV-1, FV-3, FV-12
Notes: The only well at the Flea Market.

Include Receptor in SRS? No
Field Verification Instructions/Comments:

Attachments:

Other Well Name and ID: 6S/1E-32H001 Permit Number:
Status: Operating
Description:

Maximum Extraction Rate: Extraction Rate:
Units: Number of Connections:
Total Depth:
Screen 1 Top: Screen 1 Bottom:
Screen 2 Top: Screen 2 Bottom:
Screen 3 Top: Screen 3 Bottom:
Screen 4 Top: Screen 4 Bottom:
Screen 5 Top: Screen 5 Bottom:
Screen 6 Top: Screen 6 Bottom:
Aquifer 1 Name: Aquifer 1 Top: Aquifer 1 Bottom:
Aquifer 2 Name: Aquifer 2 Top: Aquifer 2 Bottom:
Aquifer 3 Name: Aquifer 3 Top: Aquifer 3 Bottom:
Aquifer 4 Name: Aquifer 4 Top: Aquifer 4 Bottom:
Aquifer 5 Name: Aquifer 5 Top: Aquifer 5 Bottom:
Aquifer 6 Name: Aquifer 6 Top: Aquifer 6 Bottom:
% of Agency Coverage: Operation Frequency:
Well Address:

Receptor Type: Drinking Water Well - Homeowner Single Family Residence
Name:
Address: 1590 Berryessa Rd
City: San Jose State: California
Zip: 95133 Phone:
Contact Name:
Direction: SW Distance: 2900
Elevation: Datum:
Survey Date: 08/10/2005 Photo Number:
Office Identified: Yes Owner Verified: No
Field Verification Status: Attempted Field Verified
Latitude: Longitude:
Lat/Long Verification:
Lat/Long Error:
Reference Information: OI-1, OI-2, FV-1
Notes:

Include Receptor in SRS? No
Field Verification Instructions/Comments:

Attachments:

Other Well Name and ID: 6S/1E-33M010 Permit Number: 85W1365
Status: Operating
Description:

Maximum Extraction Rate: Extraction Rate:
Units: Number of Connections:
Total Depth:
Screen 1 Top: Screen 1 Bottom:
Screen 2 Top: Screen 2 Bottom:
Screen 3 Top: Screen 3 Bottom:
Screen 4 Top: Screen 4 Bottom:
Screen 5 Top: Screen 5 Bottom:
Screen 6 Top: Screen 6 Bottom:
Aquifer 1 Name: Aquifer 1 Top: Aquifer 1 Bottom:
Aquifer 2 Name: Aquifer 2 Top: Aquifer 2 Bottom:
Aquifer 3 Name: Aquifer 3 Top: Aquifer 3 Bottom:
Aquifer 4 Name: Aquifer 4 Top: Aquifer 4 Bottom:
Aquifer 5 Name: Aquifer 5 Top: Aquifer 5 Bottom:
Aquifer 6 Name: Aquifer 6 Top: Aquifer 6 Bottom:
% of Agency Coverage: Operation Frequency:
Well Address:

Receptor Type: Drinking Water Well - Homeowner Single Family Residence
Name:
Address: 1590 Berryessa Rd
City: San Jose State: California
Zip: 95133 Phone:
Contact Name:
Direction: SW Distance: 2900
Elevation: Datum:
Survey Date: 08/10/2005 Photo Number:
Office Identified: Yes Owner Verified: No
Field Verification Status: Attempted Field Verified
Latitude: Longitude:
Lat/Long Verification:
Lat/Long Error:
Reference Information: OI-1, OI-2, FV-1
Notes:

Include Receptor in SRS? No
Field Verification Instructions/Comments:

Attachments:

Other Well Name and ID: 6S/1E-33M011 Permit Number: 85W1368
Status: Operating
Description:

Maximum Extraction Rate: Extraction Rate:
Units: Number of Connections:
Total Depth:
Screen 1 Top: Screen 1 Bottom:
Screen 2 Top: Screen 2 Bottom:
Screen 3 Top: Screen 3 Bottom:
Screen 4 Top: Screen 4 Bottom:
Screen 5 Top: Screen 5 Bottom:
Screen 6 Top: Screen 6 Bottom:
Aquifer 1 Name: Aquifer 1 Top: Aquifer 1 Bottom:
Aquifer 2 Name: Aquifer 2 Top: Aquifer 2 Bottom:
Aquifer 3 Name: Aquifer 3 Top: Aquifer 3 Bottom:
Aquifer 4 Name: Aquifer 4 Top: Aquifer 4 Bottom:
Aquifer 5 Name: Aquifer 5 Top: Aquifer 5 Bottom:
Aquifer 6 Name: Aquifer 6 Top: Aquifer 6 Bottom:
% of Agency Coverage: Operation Frequency:
Well Address:

Receptor Type: Drinking Water Well - Public/Municipal
Name: Concrete Plant Well
Address: 1300 Berryessa Rd
City: San Jose State: California
Zip: 95133 Phone:
Contact Name:
Direction: SW Distance: 3353
Elevation: 123 Datum: WGS 84
Survey Date: 08/10/2005 Photo Number:
Office Identified: Yes Owner Verified: Yes
Field Verification Status: Field Verified
Latitude: 37.36618 Longitude: -121.88033
Lat/Long Verification: Field Verified
Lat/Long Error: 22
Reference Information: OI-1, OI-2, OV-3, FV-1, FV-4, FV-12
Notes: SRDC Inc.

Include Receptor in SRS? No
Field Verification Instructions/Comments:

Attachments:

Other Well Name and ID: 6S/1E-32J001 Permit Number:
Status: Operating
Description:

Maximum Extraction Rate: Extraction Rate:
Units: Number of Connections:
Total Depth:
Screen 1 Top: Screen 1 Bottom:
Screen 2 Top: Screen 2 Bottom:
Screen 3 Top: Screen 3 Bottom:
Screen 4 Top: Screen 4 Bottom:
Screen 5 Top: Screen 5 Bottom:
Screen 6 Top: Screen 6 Bottom:
Aquifer 1 Name: Aquifer 1 Top: Aquifer 1 Bottom:
Aquifer 2 Name: Aquifer 2 Top: Aquifer 2 Bottom:
Aquifer 3 Name: Aquifer 3 Top: Aquifer 3 Bottom:
Aquifer 4 Name: Aquifer 4 Top: Aquifer 4 Bottom:
Aquifer 5 Name: Aquifer 5 Top: Aquifer 5 Bottom:
Aquifer 6 Name: Aquifer 6 Top: Aquifer 6 Bottom:
% of Agency Coverage: Operation Frequency:
Well Address:

Receptor Type: Drinking Water Well - Public/Municipal
Name: Mabury Well 01
Address: Mabury Road
City: San Jose State: California
Zip: 95133 Phone:
Contact Name:
Direction: SE Distance: 2219
Elevation: 105 Datum: WGS 84
Survey Date: 08/10/2005 Photo Number:
Office Identified: Yes Owner Verified: No
Field Verification Status: Field Verified
Latitude: 37.36973 Longitude: -121.86823
Lat/Long Verification: Field Verified
Lat/Long Error: 16
Reference Information: DL136010.doc, OI-1, OI-2, FV-1, FV-5, FV
Notes: San Jose Water Company

Include Receptor in SRS? No
Field Verification Instructions/Comments:

Attachments:

Other Well Name and ID: 6S/1E-33F006 Permit Number:
Status: Operating
Description:

Maximum Extraction Rate: Extraction Rate:
Units: Number of Connections:
Total Depth:
Screen 1 Top: Screen 1 Bottom:
Screen 2 Top: Screen 2 Bottom:
Screen 3 Top: Screen 3 Bottom:
Screen 4 Top: Screen 4 Bottom:
Screen 5 Top: Screen 5 Bottom:
Screen 6 Top: Screen 6 Bottom:
Aquifer 1 Name: Aquifer 1 Top: Aquifer 1 Bottom:
Aquifer 2 Name: Aquifer 2 Top: Aquifer 2 Bottom:
Aquifer 3 Name: Aquifer 3 Top: Aquifer 3 Bottom:
Aquifer 4 Name: Aquifer 4 Top: Aquifer 4 Bottom:
Aquifer 5 Name: Aquifer 5 Top: Aquifer 5 Bottom:
Aquifer 6 Name: Aquifer 6 Top: Aquifer 6 Bottom:
% of Agency Coverage: Operation Frequency:
Well Address:

Receptor Type: Drinking Water Well - Public/Municipal
Name: Mabury Well 02
Address: Mabury Road
City: San Jose State: California
Zip: 95133 Phone:
Contact Name:
Direction: SE Distance: 2448
Elevation: 75 Datum: WGS 84
Survey Date: 08/10/2005 Photo Number:
Office Identified: Yes Owner Verified: No
Field Verification Status: Field Verified
Latitude: 37.36842 Longitude: -121.86888
Lat/Long Verification: Field Verified
Lat/Long Error: 15
Reference Information: DL136010.doc, OI-1, OI-2, FV-1, FV-7, FV
Notes: San Jose Water Company

Include Receptor in SRS? No
Field Verification Instructions/Comments:

Attachments:

Other Well Name and ID: 6S/1E-33F010 Permit Number:
Status: Operating
Description:

Maximum Extraction Rate: Extraction Rate:
Units: Number of Connections:
Total Depth:
Screen 1 Top: Screen 1 Bottom:
Screen 2 Top: Screen 2 Bottom:
Screen 3 Top: Screen 3 Bottom:
Screen 4 Top: Screen 4 Bottom:
Screen 5 Top: Screen 5 Bottom:
Screen 6 Top: Screen 6 Bottom:
Aquifer 1 Name: Aquifer 1 Top: Aquifer 1 Bottom:
Aquifer 2 Name: Aquifer 2 Top: Aquifer 2 Bottom:
Aquifer 3 Name: Aquifer 3 Top: Aquifer 3 Bottom:
Aquifer 4 Name: Aquifer 4 Top: Aquifer 4 Bottom:
Aquifer 5 Name: Aquifer 5 Top: Aquifer 5 Bottom:
Aquifer 6 Name: Aquifer 6 Top: Aquifer 6 Bottom:
% of Agency Coverage: Operation Frequency:
Well Address:

Receptor Type: Drinking Water Well - Public/Municipal
Name: Golf Course Well 01
Address: 1560 Oakland Rd
City: San Jose State: California
Zip: 95131 Phone: (408) 453-5330
Contact Name: George Young
Direction: NW Distance: 5289
Elevation: 63 Datum: WGS 84
Survey Date: 08/10/2005 Photo Number:
Office Identified: Yes Owner Verified: Yes
Field Verification Status: Field Verified
Latitude: 37.37291 Longitude: -121.89209
Lat/Long Verification: Field Verified
Lat/Long Error: 21
Reference Information: OI-1, OI-2, OV-4, FV-1, FV-9, FV-12
Notes: San Jose Municipal Golf Course

Include Receptor in SRS? No
Field Verification Instructions/Comments:

Attachments:

Other Well Name and ID: 6S/1E-29M001 Permit Number:
Status: Operating
Description:

Maximum Extraction Rate: Extraction Rate:
Units: Number of Connections:
Total Depth:
Screen 1 Top: Screen 1 Bottom:
Screen 2 Top: Screen 2 Bottom:
Screen 3 Top: Screen 3 Bottom:
Screen 4 Top: Screen 4 Bottom:
Screen 5 Top: Screen 5 Bottom:
Screen 6 Top: Screen 6 Bottom:
Aquifer 1 Name: Aquifer 1 Top: Aquifer 1 Bottom:
Aquifer 2 Name: Aquifer 2 Top: Aquifer 2 Bottom:
Aquifer 3 Name: Aquifer 3 Top: Aquifer 3 Bottom:
Aquifer 4 Name: Aquifer 4 Top: Aquifer 4 Bottom:
Aquifer 5 Name: Aquifer 5 Top: Aquifer 5 Bottom:
Aquifer 6 Name: Aquifer 6 Top: Aquifer 6 Bottom:
% of Agency Coverage: Operation Frequency:
Well Address:

Receptor Type: Drinking Water Well - Public/Municipal
Name: Golf Course Well 02
Address: 1560 Oakland Rd
City: San Jose State: California
Zip: 95131 Phone: (408) 453-5330
Contact Name: George Young
Direction: NW Distance: 4001
Elevation: 97 Datum: WGS 84
Survey Date: 08/10/2005 Photo Number:
Office Identified: Yes Owner Verified: Yes
Field Verification Status: Field Verified
Latitude: 37.37291 Longitude: -121.88764
Lat/Long Verification: Field Verified
Lat/Long Error: 21
Reference Information: OI-1, OI-2, OV-4, FV-1, FV-8, FV-12
Notes: San Jose Municipal Golf Course

Include Receptor in SRS? No
Field Verification Instructions/Comments:

Attachments:

Other Well Name and ID: 6S/1E-32C001 Permit Number:
Status: Operating
Description:

Maximum Extraction Rate: Extraction Rate:
Units: Number of Connections:
Total Depth:
Screen 1 Top: Screen 1 Bottom:
Screen 2 Top: Screen 2 Bottom:
Screen 3 Top: Screen 3 Bottom:
Screen 4 Top: Screen 4 Bottom:
Screen 5 Top: Screen 5 Bottom:
Screen 6 Top: Screen 6 Bottom:
Aquifer 1 Name: Aquifer 1 Top: Aquifer 1 Bottom:
Aquifer 2 Name: Aquifer 2 Top: Aquifer 2 Bottom:
Aquifer 3 Name: Aquifer 3 Top: Aquifer 3 Bottom:
Aquifer 4 Name: Aquifer 4 Top: Aquifer 4 Bottom:
Aquifer 5 Name: Aquifer 5 Top: Aquifer 5 Bottom:
Aquifer 6 Name: Aquifer 6 Top: Aquifer 6 Bottom:
% of Agency Coverage: Operation Frequency:
Well Address:

Receptor Type: Drinking Water Well - Public/Municipal
Name: Golf Course Well 03
Address: 1560 Oakland Rd
City: San Jose State: California
Zip: 95131 Phone: (408) 453-5330
Contact Name: George Young
Direction: NW Distance: 3916
Elevation: 37 Datum: WGS 84
Survey Date: 08/10/2005 Photo Number:
Office Identified: Yes Owner Verified: Yes
Field Verification Status: Field Verified
Latitude: 37.37856 Longitude: -121.88600
Lat/Long Verification: Field Verified
Lat/Long Error: 19
Reference Information: OI-1, OI-2, OV-4, FV-1, FV-10, FV-12
Notes: San Jose Municipal Golf Course

Include Receptor in SRS? No
Field Verification Instructions/Comments:

Attachments:

Other Well Name and ID: 6S/1E-29P004 Permit Number:
Status: Shut in
Description:

Maximum Extraction Rate: Extraction Rate:
Units: Number of Connections:
Total Depth:
Screen 1 Top: Screen 1 Bottom:
Screen 2 Top: Screen 2 Bottom:
Screen 3 Top: Screen 3 Bottom:
Screen 4 Top: Screen 4 Bottom:
Screen 5 Top: Screen 5 Bottom:
Screen 6 Top: Screen 6 Bottom:
Aquifer 1 Name: Aquifer 1 Top: Aquifer 1 Bottom:
Aquifer 2 Name: Aquifer 2 Top: Aquifer 2 Bottom:
Aquifer 3 Name: Aquifer 3 Top: Aquifer 3 Bottom:
Aquifer 4 Name: Aquifer 4 Top: Aquifer 4 Bottom:
Aquifer 5 Name: Aquifer 5 Top: Aquifer 5 Bottom:
Aquifer 6 Name: Aquifer 6 Top: Aquifer 6 Bottom:
% of Agency Coverage: Operation Frequency:
Well Address:

Receptor Type: Drinking Water Well - Public/Municipal
Name: Service Station well
Address: Mabury Road
City: San Jose State: California
Zip: 95133 Phone:
Contact Name:
Direction: SE Distance: 3560
Elevation: Datum:
Survey Date: Photo Number:
Office Identified: Yes Owner Verified: No
Field Verification Status: Field Verified
Latitude: Longitude:
Lat/Long Verification:
Lat/Long Error:
Reference Information: OI-1, OI-2
Notes:

Include Receptor in SRS? No
Field Verification Instructions/Comments:

Attachments:

Other Well Name and ID: 6S/1E-33A004 Permit Number:
Status: Operating
Description:

Maximum Extraction Rate: Extraction Rate:
Units: Number of Connections:
Total Depth: 355 ft.
Screen 1 Top: Screen 1 Bottom:
Screen 2 Top: Screen 2 Bottom:
Screen 3 Top: Screen 3 Bottom:
Screen 4 Top: Screen 4 Bottom:
Screen 5 Top: Screen 5 Bottom:
Screen 6 Top: Screen 6 Bottom:
Aquifer 1 Name: Aquifer 1 Top: Aquifer 1 Bottom:
Aquifer 2 Name: Aquifer 2 Top: Aquifer 2 Bottom:
Aquifer 3 Name: Aquifer 3 Top: Aquifer 3 Bottom:
Aquifer 4 Name: Aquifer 4 Top: Aquifer 4 Bottom:
Aquifer 5 Name: Aquifer 5 Top: Aquifer 5 Bottom:
Aquifer 6 Name: Aquifer 6 Top: Aquifer 6 Bottom:
% of Agency Coverage: Operation Frequency:
Well Address:

Receptor Type: Drinking Water Well - Homeowner Single Family Residence
Name:
Address: 12750 Mabury Rd
City: San Jose State: California
Zip: 95133 Phone:
Contact Name:
Direction: SE Distance: 3660
Elevation: Datum:
Survey Date: Photo Number:
Office Identified: Yes Owner Verified: No
Field Verification Status: Field Verified
Latitude: Longitude:
Lat/Long Verification:
Lat/Long Error:
Reference Information: OI-1, OI-2
Notes:

Include Receptor in SRS? No
Field Verification Instructions/Comments:

Attachments:

Other Well Name and ID: 6S/1E-33A001 Permit Number:
Status: Operating
Description:

Maximum Extraction Rate: Extraction Rate:
Units: Number of Connections:
Total Depth:
Screen 1 Top: Screen 1 Bottom:
Screen 2 Top: Screen 2 Bottom:
Screen 3 Top: Screen 3 Bottom:
Screen 4 Top: Screen 4 Bottom:
Screen 5 Top: Screen 5 Bottom:
Screen 6 Top: Screen 6 Bottom:
Aquifer 1 Name: Aquifer 1 Top: Aquifer 1 Bottom:
Aquifer 2 Name: Aquifer 2 Top: Aquifer 2 Bottom:
Aquifer 3 Name: Aquifer 3 Top: Aquifer 3 Bottom:
Aquifer 4 Name: Aquifer 4 Top: Aquifer 4 Bottom:
Aquifer 5 Name: Aquifer 5 Top: Aquifer 5 Bottom:
Aquifer 6 Name: Aquifer 6 Top: Aquifer 6 Bottom:
% of Agency Coverage: Operation Frequency:
Well Address:

Receptor Type: Drinking Water Well - Public/Municipal
Name: Food Processing Well
Address: 665 Lenfest Rd
City: San Jose State: California
Zip: 95133 Phone:
Contact Name:
Direction: SE Distance: 4350
Elevation: Datum:
Survey Date: Photo Number:
Office Identified: Yes Owner Verified: No
Field Verification Status: Field Verified
Latitude: Longitude:
Lat/Long Verification:
Lat/Long Error:
Reference Information: OI-1, OI-2
Notes:

Include Receptor in SRS? No
Field Verification Instructions/Comments:

Attachments:

Other Well Name and ID: 6S/1E-33P002 Permit Number: 89W2325
Status: Operating
Description:

Maximum Extraction Rate: Extraction Rate:
Units: Number of Connections:
Total Depth:
Screen 1 Top: Screen 1 Bottom:
Screen 2 Top: Screen 2 Bottom:
Screen 3 Top: Screen 3 Bottom:
Screen 4 Top: Screen 4 Bottom:
Screen 5 Top: Screen 5 Bottom:
Screen 6 Top: Screen 6 Bottom:
Aquifer 1 Name: Aquifer 1 Top: Aquifer 1 Bottom:
Aquifer 2 Name: Aquifer 2 Top: Aquifer 2 Bottom:
Aquifer 3 Name: Aquifer 3 Top: Aquifer 3 Bottom:
Aquifer 4 Name: Aquifer 4 Top: Aquifer 4 Bottom:
Aquifer 5 Name: Aquifer 5 Top: Aquifer 5 Bottom:
Aquifer 6 Name: Aquifer 6 Top: Aquifer 6 Bottom:
% of Agency Coverage: Operation Frequency:
Well Address:

Receptor Type: Agricultural Well
Name: 6S/1E-28J003
Address: Port Way
City: San Jose
State: California
Zip: 95133
Phone:
Contact Name:
Direction: NE
Distance: 3700
Elevation:
Datum:
Survey Date:
Photo Number:
Office Identified: Yes
Owner Verified: No
Field Verification Status: Field Verified
Latitude:
Longitude:
Lat/Long Verification:
Lat/Long Error:
Reference Information: OI-1, OI-2
Notes:

Include Receptor in SRS? No
Field Verification Instructions/Comments:

Attachments:

Other Well Name and ID:
Permit Number:
Status:
Description:

Maximum Extraction Rate:
Extraction Rate:
Units:
Number of Connections:
Total Depth:
Screen 1 Top:
Screen 1 Bottom:
Screen 2 Top:
Screen 2 Bottom:
Screen 3 Top:
Screen 3 Bottom:
Screen 4 Top:
Screen 4 Bottom:
Screen 5 Top:
Screen 5 Bottom:
Screen 6 Top:
Screen 6 Bottom:
Aquifer 1 Name:
Aquifer 1 Top:
Aquifer 1 Bottom:
Aquifer 2 Name:
Aquifer 2 Top:
Aquifer 2 Bottom:
Aquifer 3 Name:
Aquifer 3 Top:
Aquifer 3 Bottom:
Aquifer 4 Name:
Aquifer 4 Top:
Aquifer 4 Bottom:
Aquifer 5 Name:
Aquifer 5 Top:
Aquifer 5 Bottom:
Aquifer 6 Name:
Aquifer 6 Top:
Aquifer 6 Bottom:
% of Agency Coverage:
Operation Frequency:
Well Address:

Receptor Type: Drinking Water Well - Public/Municipal
Name: SCVWD Penitencia WTP - Treated
Address: Notting Hill Dr
City: San Jose State: California
Zip: 95131 Phone:
Contact Name:
Direction: SW Distance: 3700
Elevation: Datum:
Survey Date: Photo Number:
Office Identified: Yes Owner Verified: No
Field Verification Status: Field Verified
Latitude: Longitude:
Lat/Long Verification:
Lat/Long Error:
Reference Information: DL136010.doc, OI-2
Notes: Santa Clara Valley Water District

Include Receptor in SRS? No
Field Verification Instructions/Comments:

Attachments:

Other Well Name and ID: E43/027-PENITEN Permit Number:
Status: Operating
Description:

Maximum Extraction Rate: Extraction Rate:
Units: Number of Connections:
Total Depth:
Screen 1 Top: Screen 1 Bottom:
Screen 2 Top: Screen 2 Bottom:
Screen 3 Top: Screen 3 Bottom:
Screen 4 Top: Screen 4 Bottom:
Screen 5 Top: Screen 5 Bottom:
Screen 6 Top: Screen 6 Bottom:
Aquifer 1 Name: Aquifer 1 Top: Aquifer 1 Bottom:
Aquifer 2 Name: Aquifer 2 Top: Aquifer 2 Bottom:
Aquifer 3 Name: Aquifer 3 Top: Aquifer 3 Bottom:
Aquifer 4 Name: Aquifer 4 Top: Aquifer 4 Bottom:
Aquifer 5 Name: Aquifer 5 Top: Aquifer 5 Bottom:
Aquifer 6 Name: Aquifer 6 Top: Aquifer 6 Bottom:
% of Agency Coverage: Operation Frequency:
Well Address:

Receptor Type: Surface Water Body
Name: Coyote Creek
Address: Berryessa Road
City: San Jose State: California
Zip: 95133 Phone:
Contact Name:
Direction: SW Distance: 2992
Elevation: 140 Datum: WGS 84
Survey Date: 08/10/2005 Photo Number:
Office Identified: Yes Owner Verified: No
Field Verification Status: Field Verified
Latitude: 37.36787 Longitude: -121.88100
Lat/Long Verification: Field Verified
Lat/Long Error: 18
Reference Information: DL136010.doc, OI-2, FV-1, FV-11, FV-12
Notes:

Include Receptor in SRS? No
Field Verification Instructions/Comments:

Attachments:

Other Well Name and ID: Permit Number:
Status:
Description:

Maximum Extraction Rate: Extraction Rate:
Units: Number of Connections:
Total Depth:
Screen 1 Top: Screen 1 Bottom:
Screen 2 Top: Screen 2 Bottom:
Screen 3 Top: Screen 3 Bottom:
Screen 4 Top: Screen 4 Bottom:
Screen 5 Top: Screen 5 Bottom:
Screen 6 Top: Screen 6 Bottom:
Aquifer 1 Name: Aquifer 1 Top: Aquifer 1 Bottom:
Aquifer 2 Name: Aquifer 2 Top: Aquifer 2 Bottom:
Aquifer 3 Name: Aquifer 3 Top: Aquifer 3 Bottom:
Aquifer 4 Name: Aquifer 4 Top: Aquifer 4 Bottom:
Aquifer 5 Name: Aquifer 5 Top: Aquifer 5 Bottom:
Aquifer 6 Name: Aquifer 6 Top: Aquifer 6 Bottom:
% of Agency Coverage: Operation Frequency:
Well Address:

Receptor Type: Drinking Water Well - Public/Municipal
Name: Field Identified Well
Address:
City: San Jose State: California
Zip: Phone:
Contact Name:
Direction: S Distance: 1795
Elevation: 77 Datum: WGS 84
Survey Date: 08/10/2005 Photo Number:
Office Identified: No Owner Verified: No
Field Verification Status: Field Verified
Latitude: 37.36988 Longitude: -121.86925
Lat/Long Verification: Field Verified
Lat/Long Error: 16
Reference Information: FV-1,FV-6,FV-11
Notes:

Include Receptor in SRS? No
Field Verification Instructions/Comments:

Attachments:

Other Well Name and ID: Permit Number:
Status:
Description:

Maximum Extraction Rate: Extraction Rate:
Units: Number of Connections:
Total Depth:
Screen 1 Top: Screen 1 Bottom:
Screen 2 Top: Screen 2 Bottom:
Screen 3 Top: Screen 3 Bottom:
Screen 4 Top: Screen 4 Bottom:
Screen 5 Top: Screen 5 Bottom:
Screen 6 Top: Screen 6 Bottom:
Aquifer 1 Name: Aquifer 1 Top: Aquifer 1 Bottom:
Aquifer 2 Name: Aquifer 2 Top: Aquifer 2 Bottom:
Aquifer 3 Name: Aquifer 3 Top: Aquifer 3 Bottom:
Aquifer 4 Name: Aquifer 4 Top: Aquifer 4 Bottom:
Aquifer 5 Name: Aquifer 5 Top: Aquifer 5 Bottom:
Aquifer 6 Name: Aquifer 6 Top: Aquifer 6 Bottom:
% of Agency Coverage: Operation Frequency:
Well Address:

All Interviews:

Reference	Interviewee Name	Interviewee Organization	Interview Date
OV-1	Barbara Murray	Santa Clara Valley Water District	May 6, 2005
OV-2	Gerard Denny	The Flea Market, Inc.	August 10, 2005
OV-3	Jenny Estrada	SRDC Inc.	August 10, 2005

Reference	Interviewee Name	Interviewee Organization	Interview Date
OV-4	George Young	San Jose Municipal Golf Course	August 10, 2005
1	Curt Rayer	San Jose Water Company	August-September 200

Reference: OV-1
Interviewer Name: Rebecca Wolff
Interviewee Name: Barbara Murray
Interviewee Title:
Interviewee Organization: Santa Clara Valley Water District
Interviewee Phone:
Interview Date: May 6, 2005
Interview Time:
Attachments:
Interview Description:

Reference: OV-2
Interviewer Name: Frane Sosic
Interviewee Name: Gerard Denny
Interviewee Title:
Interviewee Organization: The Flea Market, Inc.
Interviewee Phone:
Interview Date: August 10, 2005
Interview Time:
Attachments:
Interview Description:

Reference: OV-3
Interviewer Name: Frane Sosic
Interviewee Name: Jenny Estrada
Interviewee Title:
Interviewee Organization: SRDC Inc.
Interviewee Phone:
Interview Date: August 10, 2005
Interview Time:
Attachments:
Interview Description:

Reference: OV-4
Interviewer Name: Frane Sosic
Interviewee Name: George Young
Interviewee Title:
Interviewee Organization: San Jose Municipal Golf Course
Interviewee Phone:
Interview Date: August 10, 2005
Interview Time:
Attachments:
Interview Description:

Reference:	1
Interviewer Name:	Frane Sosic
Interviewee Name:	Curt Rayer
Interviewee Title:	
Interviewee Organization:	San Jose Water Company
Interviewee Phone:	
Interview Date:	August-September 200
Interview Time:	12 am
Attachments:	
Interview Description:	

References:
DL136010.doc
DL136010.doc
FV-1_site verification pages 1705 Berryessa, San Jose, CA.pdf
FV-10_SJ Muni. Golf Course Well 03 (1705 Berryessa Rd).jpg
FV-11_field verified map 1705 Berryessa, San Jose, CA.pdf
FV-2a_Well 6S1E-29J003 (1705 Berryessa Rd).jpg
FV-2b_Well 6S1E-29J003 (1705 Berryessa Rd).jpg
FV-3_Flea Market Well (1705 Berryessa Rd).jpg
FV-4_Concrete Plant Well (1705 Berryessa Rd).jpg
FV-5_SJWC Mabury Well 01 (1705 Berryessa Rd).jpg
FV-6_SJWC Well Identified in the Field (1705 Berryessa Rd).jpg
FV-7_SJWC Mabury Well 02 (1705 Berryessa Rd).jpg
FV-8_SJ Muni. Golf Course Well 02 (1705 Berryessa Rd).jpg
FV-9_SJ Muni. Golf Course Well 01 (1705 Berryessa Rd).jpg
OI-1_PREFIELD MAP (1705 BERRYESSA RD).pdf
OI-2_1705 Well Search Results.xls

[All References]

DL136010.doc
DL136010.doc
FV-1_site verification pages 1705 Berryessa, San Jose, CA.pdf
FV-10_SJ Muni. Golf Course Well 03 (1705 Berryessa Rd).jpg
FV-11_field verified map 1705 Berryessa, San Jose, CA.pdf
FV-2a_Well 6S1E-29J003 (1705 Berryessa Rd).jpg
FV-2b_Well 6S1E-29J003 (1705 Berryessa Rd).jpg
FV-3_Flea Market Well (1705 Berryessa Rd).jpg
FV-4_Concrete Plant Well (1705 Berryessa Rd).jpg
FV-5_SJWC Mabury Well 01 (1705 Berryessa Rd).jpg
FV-6_SJWC Well Identified in the Field (1705 Berryessa Rd).jpg
FV-7_SJWC Mabury Well 02 (1705 Berryessa Rd).jpg
FV-8_SJ Muni. Golf Course Well 02 (1705 Berryessa Rd).jpg
FV-9_SJ Muni. Golf Course Well 01 (1705 Berryessa Rd).jpg
OI-1_PREFIELD MAP (1705 BERRYESSA RD).pdf
OI-2_1705 Well Search Results.xls

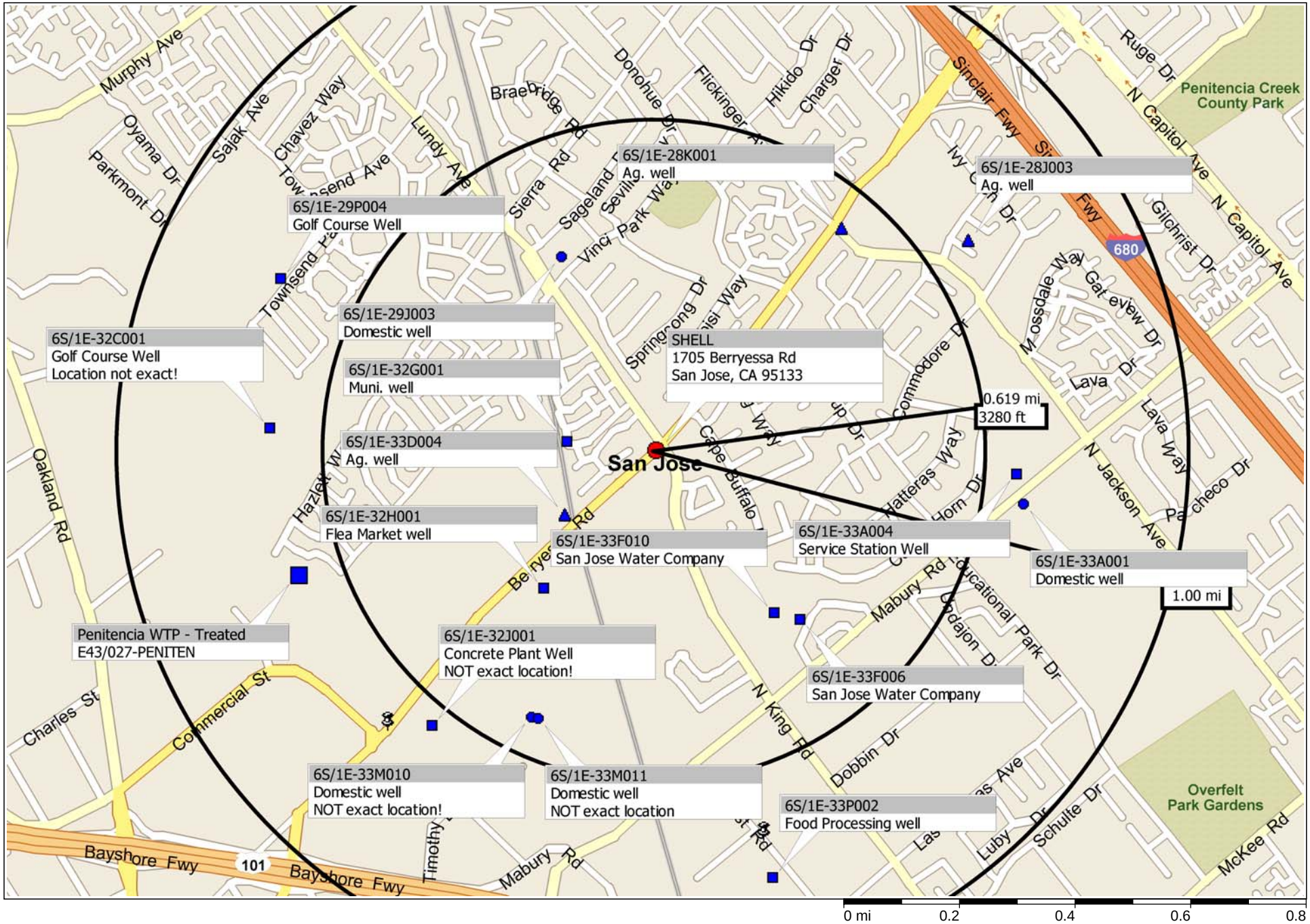
[Contacts]

[All Receptors]

[Deliverables]

GSRE_Report_136010__1134022246285.xls
SRS_Form_Report_136010__1134022246785.pdf
SRS_Spreadsheet_Report_136010_1134022248176.xls

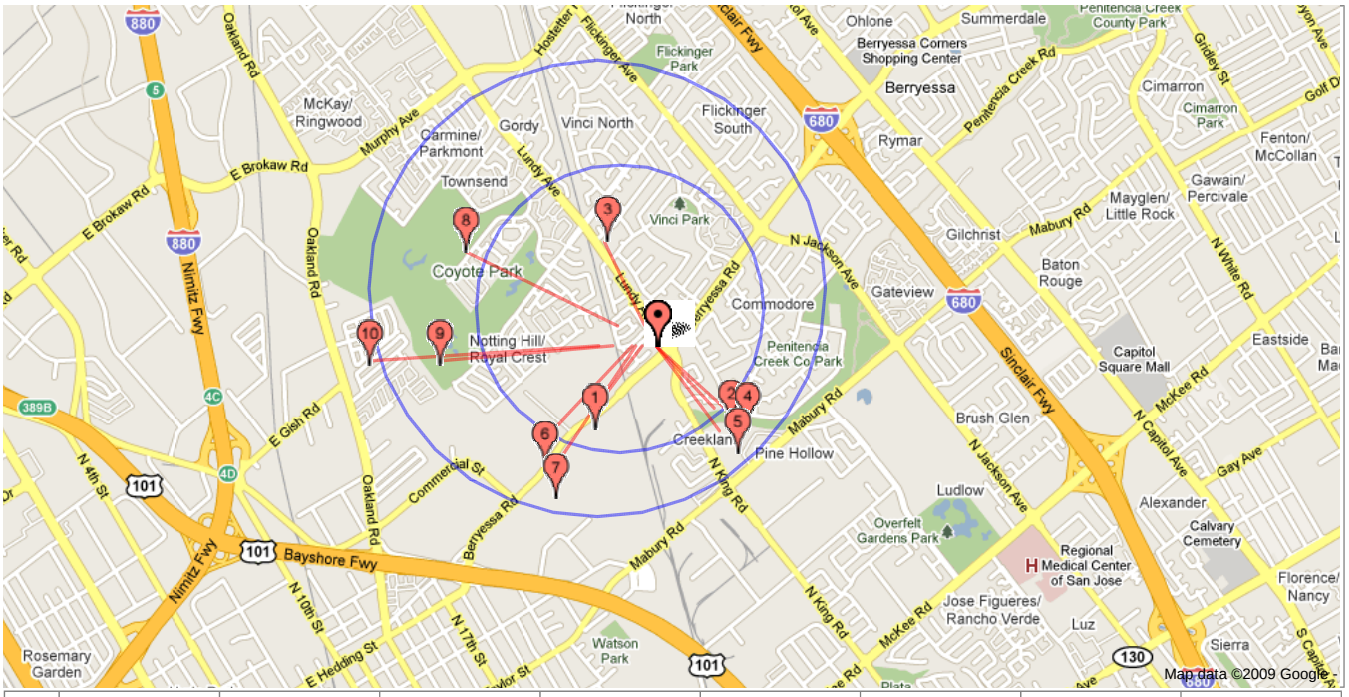
OI-1_PREFIELD MAP (1705 BERRYESSA RD)



Copyright © 1988-2004 Microsoft Corp. and/or its suppliers. All rights reserved. http://www.microsoft.com/streets/
© Copyright 2003 by Geographic Data Technology, Inc. All rights reserved. © 2004 NAVTEQ. All rights reserved. This data includes information taken with permission from Canadian authorities © Her Majesty the Queen in Right of Canada.

Site #136010

Note:
All distances are approximate
Only the closest 100 receptors are displayed
Receptors without a latitude and longitude will not be displayed



	Name	Type	Latitude	Longitude	Office Identified	Owner Verified	Field Verified	Distance (Approx)
1	Flea Market Well	Drinking Water Well - Public/Municipal	37.36969	-121.87787	Yes	Yes	Verified	1895.14 FT
2	Field Identified Well	Drinking Water Well - Public/Municipal	37.36988	-121.86925	No	No	Verified	1970.1 FT
3		Drinking Water Well - Homeowner Single Family Residence	37.37910	-121.87711	Yes	No	Verified	2144.81 FT
4	Mabury Well 01	Drinking Water Well - Public/Municipal	37.36973	-121.86823	Yes	No	Verified	2219.97 FT
5	Mabury Well 02	Drinking Water Well - Public/Municipal	37.36842	-121.86888	Yes	No	Verified	2449.0 FT
6	Coyote Creek	Surface Water Body	37.36787	-121.88100	Yes	No	Verified	2992.04 FT
7	Concrete Plant Well	Drinking Water Well - Public/Municipal	37.36618	-121.88033	Yes	Yes	Verified	3353.72 FT
8	Golf Course Well 03	Drinking Water Well - Public/Municipal	37.37856	-121.88600	Yes	Yes	Verified	3916.71 FT
9	Golf Course Well 02	Drinking Water Well - Public/Municipal	37.37291	-121.88764	Yes	Yes	Verified	4001.23 FT
10	Golf Course Well 01	Drinking Water Well - Public/Municipal	37.37291	-121.89209	Yes	Yes	Verified	5289.44 FT

Note: only the closest 100 receptors are displayed

2009 SANTA CLARA VALLEY WATER DISTRICT WELL LIST

Shell-branded Service Station
1705 Berryessa Road
San Jose, California

WELL NUMBER	WELL STATUS DESC	DESTRUCT METH DESC	APN	WELL LOCATION	USE DESC	WELL TYPE1 DESC	WELL TYPE1 USE DESC
06S01E28J003	Active	NA	25415078	1762S BERRYESSA/1195E JACKSON AVE	--	Water Producing	Agricultural
06S01E28K001	Active	NA	25415032	100S BERRYESSA/100SE JACKSON AVE	--	Water Producing	Agricultural
06S01E29J003	Active	NA	24528047	222N VINCI PARK DR/260E LUNDY AVE	--	Water Producing	Domestic
06S01E32C001	Active	NA	24102016	1160S TOWNSEND LN EXT/3700W LUNDY	--	Water Producing	Municipal & Ind
06S01E32G001	Active	NA	24105015	900N BERRYESSA RD/100E SPRR	Water System	Water Producing	Municipal & Ind
06S01E32H001	Active	NA	25417084	300S BERRYESSA RD/1570W N KING RD	Parks-Amusement	Water Producing	Municipal & Ind
06S01E32J001	Active	NA	25413090	450S BERRYESSA/450W COYOTE CREEK	Concrete Plants	Water Producing	Municipal & Ind
06S01E33A004	Active	NA	25419032	226N MABURY RD/869SW JACKSON AVE	Parks - Municipal (Gross)	Water Producing	Municipal & Ind
06S01E33F006	Active	NA	25419039	580N MABURY RD/800E N KING RD	Water System	Water Producing	Municipal & Ind
06S01E33F010	Active	NA	25419039	865N MABURY RD/575E N KING RD	Water System	Water Producing	Municipal & Ind
06S01E33M010	Active	NA	25417084	1458S BERRYESSA RD/177W PL	--	Water Producing	Domestic
06S01E33M011	Active	NA	25417084	1540S BERRYESSA RD/144W PL	--	Water Producing	Domestic
06S01E33P002	Active	NA	25402057	701NW LAS PLUMAS AVE/165SW LENFEST	Food Processing	Water Producing	Municipal & Ind
06S01E29P004	Inactive	NA	24102006	225S FAIRWY GLN CL EX/65W TWNSEND PK	Golf Course (Net)	Water Producing	Municipal & Ind
06S01E28E001	Abandoned	NA	24530060	2150N BERRYESSA RD/1850E LUNDY	--	Water Producing	Agricultural
06S01E28E002	Abandoned	NA	24526038	520S TOWNSEND AVE (EXT)/1600E LUNDY	--	Water Producing	Agricultural
06S01E28E003	Abandoned	NA	24531019	2450N BERRYESSA RD/125W FLICKINGER	--	Water Producing	Agricultural
06S01E28F001	Abandoned	NA	24507012	1050N BERRYESSA RD/700E FLICKINGER	--	Water Producing	Agricultural
06S01E28F002	Abandoned	NA	24507014	1050N BERRYESSA RD/600E FLICKINGER	--	Water Producing	Agricultural
06S01E28G001	Abandoned	NA	24506500	200N BERRYESSA RD/1750W CAPITOL AVE	--	Water Producing	Agricultural
06S01E28G003	Abandoned	NA	24506500	150N BERRYESSA RD/1372W CAPITOL AVE	--	Water Producing	Agricultural
06S01E28H001	Abandoned	NA	24506500	188N BERRYESSA RD/800W CAPITOL AVE	--	Water Producing	Agricultural
06S01E28M001	Abandoned	NA	24541500	1700N BERRYESSA RD/850E LUNDY	Vegetable Packing	Water Producing	Domestic
06S01E28M002	Abandoned	NA	24540034	1400N BERRYESSA RD/1860E LUNDY AVE	--	Water Producing	Agricultural
06S01E28P002	Abandoned	NA	24545500	290N BERYESSA RD/700E LUNDAY AVE	--	Water Producing	
06S01E29G003	Abandoned	NA	24130113	777SE MURPHY AVE/99W LUNDY AVE	--	Water Producing	Domestic
06S01E29J002	Abandoned	NA	24527018	2870NW BERRYESSA RD/250NE LUNDY AVE	--	Water Producing	Domestic
06S01E29J006	Abandoned	NA	24116044	1550SE TOWNSEND LN/100SW LUNDY AVE	--	Water Producing	Domestic
06S01E29L003	Abandoned	NA	24102006	1000SE MURPHY AVE/1200SW LUNDY AVE	--	Water Producing	Domestic
06S01E29P001	Abandoned	NA	24102016	3000SW LUNDY AVE/100NW TOWNSEND LN	--	Water Producing	Domestic
06S01E29P002	Abandoned	NA	24129500	2350SW LUNDY AVE/380SE TOWNSEND LN	--	Water Producing	Agricultural

November 11, 2009

2009 SANTA CLARA VALLEY WATER DISTRICT WELL LIST

Shell-branded Service Station
1705 Berryessa Road
San Jose, California

WELL NUMBER	WELL STATUS DESC	DESTRUCT METH DESC	APN	WELL LOCATION	USE DESC	WELL TYPE1 DESC	WELL TYPE1 USE DESC
06S01E32G002	Abandoned	NA	24105001	150N BERRYESSA/35E SPRR	--	Water Producing	Agricultural
06S01E32H002	Abandoned	NA	24104006	60N BERRYESSA/50E CORNISH LN	--	Water Producing	
06S01E32H003	Abandoned	NA	24104007	150N BERRYESSA/180W CORNISH	--	Water Producing	Agricultural
06S01E32H004	Abandoned	NA	24104006	30N BERRYESSA RD/25E CORNISH	--	Water Producing	
06S01E32H010	Abandoned	NA	24104006	50N BERRYESSA RD/750W SPRR	--	Water Producing	Agricultural
06S01E32J002	Abandoned	NA	25413090	500S BERRYESSA RD/400W COYOTE CK	--	Water Producing	Domestic
06S01E32J003	Abandoned	NA	25417084	1000S BERRYESSA RD/1150W SPRR	--	Water Producing	Municipal & Ind
06S01E32J004	Abandoned	NA	25413500	1000S BERRYESSA/700E MABURY EXT	--	Water Producing	Domestic
06S01E32K001	Abandoned	NA	25413124	725NE MABURY EXT/250SE BERRYESSA	--	Water Producing	Agricultural
06S01E32K002	Abandoned	NA	25413124	250S BERRYESSA RD/880E MABURY RD	--	Water Producing	Agricultural
06S01E32K005	Abandoned	NA	24106017	1250NE FRONTAGE RD/140NW BERRYESSA RD	--	Water Producing	Agricultural
06S01E33A001	Abandoned	NA	25405049	75S MABURY RD/660E EDUCATIONAL PRK	--	Water Producing	Domestic
06S01E33A002	Abandoned	NA	25405042	70S MABURY RD/430E PENITENCIA CRK	--	Water Producing	Agricultural
06S01E33A003	Abandoned	NA	25405043	100S MABURY RD/750E PENITENCIA CRK	--	Water Producing	Domestic
06S01E33D002	Abandoned	NA	25414112	230S BERRYESSA/45W KING (EXT)	--	Water Producing	Domestic
06S01E33E001	Abandoned	NA	25417084	1000S BERRYESSA RD/150W WP TRACKS	--	Water Producing	Domestic
06S01E33F002	Abandoned	NA	25419039	535N MABURY/868E KING RD	--	Water Producing	Agricultural
06S01E33G001	Abandoned	NA	25455006	350S MABURY RD/950E KING RD	--	Water Producing	Agricultural
06S01E33H001	Abandoned	NA	25454021	1400S MABURY RD/2350E KING RD	--	Water Producing	Agricultural
06S01E33H003	Abandoned	NA	25454021	1360S MABURY RD/2400E KING RD	--	Water Producing	Agricultural
06S01E33L003	Abandoned	NA	25402058	350S MABURY/40W KING RD	--	Water Producing	Agricultural
06S01E33M003	Abandoned	NA	25439003	500NW MAYBURY/300SW COYOTE CK	Construction	Water Producing	Municipal & Ind
06S01E33R001	Abandoned	NA	25418044	1050NE KING RD/600SE LAS PLUMAS AVE	--	Water Producing	Agricultural
06S01E33R002	Abandoned	NA	25418600	575SE TANNER LN/1025NE KING RD	--	Water Producing	Agricultural
06S01E28G002	Destroyed	Bail & Tremie	25415063	200S BERRYESSA/1350E JACKSON AVE	--	Water Producing	Domestic
06S01E28H002	Destroyed	Bail & Tremie	25467500	850S BERRYESSA RD/210W CAPITOL AVE	--	Water Producing	Agricultural
06S01E28H003	Destroyed	--	25429018	310S BERRYESSA/192W CAPITOL	--	Water Producing	Domestic
06S01E28J001	Destroyed	Bail & Tremie	25415053	50S PENITENCIA CK @ HWY 680/70W HIGH PWR LINE	--	Water Producing	Agricultural
06S01E28J002	Destroyed	--	25416036	120S PENITENCIA CREEK/128W HWY 680 CURB	--	Water Producing	Agricultural
06S01E28K002	Destroyed	Bail & Tremie	24507500	150N BERRYESSA/265W PEMBROKE DR	--	Water Producing	Agricultural
06S01E28N001	Destroyed	--	24116070	1550N BERYESSA RD/150W LUNDY AVE	--	Water Producing	Agricultural
06S01E28N002	Destroyed	Bail & Tremie	24127001	70W LUNDY AVE/1180N BERRYESSA	--	Water Producing	Agricultural

November 11, 2009

2009 SANTA CLARA VALLEY WATER DISTRICT WELL LIST

Shell-branded Service Station
1705 Berryessa Road
San Jose, California

WELL NUMBER	WELL STATUS DESC	DESTRUCT METH DESC	APN	WELL LOCATION	USE DESC	WELL TYPE1 DESC	WELL TYPE1 USE DESC
06S01E28N003	Destroyed	Bail & Tremie	24127030	1090N BERRYESSA RD/160W LUNDY AVE	--	Water Producing	Agricultural
06S01E28N005	Destroyed	Bail & Tremie	24121067	275N BERRYESSA/75W LUNDY	--	Water Producing	Agricultural
06S01E28P001	Destroyed	--	24545500	350N BERRYESSA RD/320W JUNESONG WAY	--	Water Producing	Domestic
06S01E28P003	Destroyed	Bail & Tremie	25445054	450S BERRYESSA/1800E N KING RD	--	Water Producing	Agricultural
06S01E28P004	Destroyed	--	25451027	250S BERRYESSA/1940E KING	--	Water Producing	Agricultural
06S01E28P005	Destroyed	--	25445077	227SE BERRYESSA RD/298NE JUNESONG	--	Water Producing	Agricultural
06S01E28R001	Destroyed	--	25419033	780N MABURY/3150W CAPITOL AVE	--	Water Producing	Agricultural
06S01E29G001	Destroyed	Bail & Tremie	24130113	174N OLD HOSTETTER EXT/107W LUNDY	--	Water Producing	Domestic
06S01E29G002	Destroyed	Bail & Tremie	24547051	1000S HOSTETTER RD/200E LUNDY AVE	--	Water Producing	Domestic
06S01E29G004	Destroyed	Bail & Tremie	24136500	450N TOWNSEND AVE/55W LUNDY AVE	--	Water Producing	Agricultural
06S01E29G005	Destroyed	Bail & Tremie	24547500	400S HOSTETTER RD/110E LUNDY AVE	--	Water Producing	Domestic
06S01E29G006	Destroyed	Drill Out	24120014	110SW LUNDY AVE/70NW TOWNSEND AVE	--	Water Producing	Agricultural
06S01E29G007	Destroyed	Bail & Tremie	24137008	200SE TOWNSEND AVE/110SW LUNDY AVE	--	Water Producing	Domestic
06S01E29G008	Destroyed	Bail & Tremie	24547018	600S HOSTETTER RD/150E LUNDY AVE	--	Water Producing	Agricultural
06S01E29G010	Destroyed	Bail & Tremie	24547003	400S HOSTETTER RD/250E LUNDY AVE	--	Water Producing	Agricultural
06S01E29H001	Destroyed	Bail & Tremie	24546037	350S TOWNSEND AVE/150E LUNDY AVE	--	Water Producing	Agricultural
06S01E29J001	Destroyed	Bail & Tremie	24527500	770S TOWNSEND AVE/150E LUNDY AVE	--	Water Producing	Domestic
06S01E29J005	Destroyed	Bail & Tremie	24124072	300SW LUNDY AVE/200NW SIERRA RD	--	Water Producing	Agricultural
06S01E29K001	Destroyed	Bail & Tremie	24137013	200S TOWNSEND AVE/800W LUNDY AVE	--	Water Producing	Domestic
06S01E29K002	Destroyed	Pressure Grout	24134002	950SW LUNDY AVE/650SE TOWNSEND LN	--	Water Producing	Agricultural
06S01E29L001	Destroyed	Pressure Grout	24102006	1870SE MURPHY AVE/2050SW LUNDY AVE	--	Water Producing	Domestic
06S01E29L002	Destroyed	Pressure Grout	24102006	1900SE MURPHY AVE/1900SW LUNDY AVE	--	Water Producing	Agricultural
06S01E29P003	Destroyed	Drill Out	24129117	250S TOWNSEND AVE/2300W LUNDY AVE	--	Water Producing	Agricultural
06S01E32B001	Destroyed	Bail & Tremie	24138082	1450N BERRYESSA/325E CORNISH LN EXT	Parks-Amusement	Water Producing	Municipal & Ind
06S01E32B002	Destroyed	Pressure Grout	24141126	54N CHESSINGTON DR/314E HAREFIELD DR	--	Water Producing	Agricultural
06S01E32F001	Destroyed	--	24110002	850N COMMERCIAL/1350E OLD OAKLAND HWY	--	Water Producing	Agricultural
06S01E32K004	Destroyed	Pressure Grout	24107002	120N BERRYESSA/1100E MABURY	--	Water Producing	Agricultural
06S01E33B001	Destroyed	Pressure Grout	25437500	1320N MABURY/1700E N KING	--	Water Producing	Agricultural
06S01E33C001	Destroyed	Pressure Grout	25442500	1400S BERRYESSA RD/1325E KING RD	--	Water Producing	Agricultural
06S01E33C002	Destroyed	Pressure Grout	25443037	700S BERRYESSA RD/1100E KING	--	Water Producing	Agricultural
06S01E33D003	Destroyed	Bail & Tremie	25417016	700S BERRYESSA RD/150W N KING RD	--	Water Producing	Agricultural
06S01E33D004	Destroyed	Cleanout & Backfill	24103016	161N BERRYESSA RD/1073W LUNDY AVE	--	Water Producing	Agricultural
06S01E33D006	Destroyed	Bail & Tremie	25417017	1050S BERRYESSA RD/30W N KING RD	--	Water Producing	Domestic

2009 SANTA CLARA VALLEY WATER DISTRICT WELL LIST

Shell-branded Service Station
1705 Berryessa Road
San Jose, California

WELL NUMBER	WELL STATUS DESC	DESTRUCT METH DESC	APN	WELL LOCATION	USE DESC	WELL TYPE1 DESC	WELL TYPE1 USE DESC
06S01E33F001	Destroyed	Pressure Grout	25417077	200NW MAYBURY RD/60SW KING RD	--	Water Producing	Agricultural
06S01E33F003	Destroyed	Pressure Grout	25442096	800N MABURY/850E KING RD	--	Water Producing	Agricultural
06S01E33F004	Destroyed	Pressure Grout	25417018	1100SE BERRYESSA RD/120SW KING RD	Parks - Municipal (Gross)	Water Producing	Municipal & Ind
06S01E33F005	Destroyed	Pressure Grout	25419041	85N MABURY RD/364E KING RD	--	Water Producing	Agricultural
06S01E33F011	Destroyed	Pressure Grout	25419041	495N MABURY RD/130E KING RD	--	Water Producing	Domestic
06S01E33F012	Destroyed	Pressure Grout	25442096	780N MABURY RD/850E KING RD	--	Water Producing	Agricultural
06S01E33G002	Destroyed	Bail & Tremie	25404034	210SE MABURY RD/1560E KING RD	--	Water Producing	Domestic
06S01E33H002	Destroyed	Pressure Grout	25452500	600S MAYBURY RD/2300 E KING RD	--	Water Producing	Agricultural
06S01E33L001	Destroyed	Pressure Grout	25402063	125S MABURY/150W KING	--	Water Producing	Agricultural
06S01E33M001	Destroyed	Bail & Tremie	25417095	150N MABURY RD/1675W N KING RD	Construction	Water Producing	Agricultural
06S01E33M002	Destroyed	Excavate	25417065	200NW MAYBURY RD/155E WPRR	--	Water Producing	Agricultural
06S01E33N001	Destroyed	Bail & Tremie	25401021	82NE BAYSHORE FWY/30E TAYLOR	--	Water Producing	Domestic
06S01E33P001	Destroyed	Bail & Tremie	25402057	950N LAS PLUMAS AVE/150W LENFEST RD	Food Processing	Water Producing	Municipal & Ind

NA = Not Applicable

EQUIVA
SERVICES LLC
Shell, Texaco & Saudi Aramco Working Together

July 12, 2002

Mr. Lane R. Davis
Santa Clara Valley Water District
5750 Almaden Expressway
San Jose, CA 95118

Subject: 1705 Berryessa Road, San Jose, California

Dear Mr. Davis:

Attached for your review and comment is a copy of the *Corrective Action Plan* (TOXICHEM, July 12, 2002) for the above referenced site. Upon information and belief, I declare, under penalty of perjury, that the information contained in the attached document is true and correct.

As always, please feel free to contact me directly at (925) 706-1559 with any questions or concerns.

Sincerely,

D. Lynn Walker
Sr. Environmental Engineer

RECEIVED
JUL 15 2002

P.O. Box 7869 Burbank, CA 91591-7869 Phone: (925) 706-1559 Fax: (925) 706-1580

CORRECTIVE ACTION PLAN

Shell-Branded Service Station
1705 Berryessa Road, San Jose, California
Incident No: 98996060, SAP No 136010

Prepared For:

Shell Oil Products US

July 12, 2002

Prepared By:

Toxichem Management Systems, Inc.
1562 44th Avenue,
San Francisco, California 94122-2931
(415) 681-8816 / (415) 681-8132 FAX

EQ-20.3B

TABLE OF CONTENTS

PROFESSIONAL CERTIFICATION i
1.0 INTRODUCTION 1
2.0 SITE CONDITIONS 2
2.1 Site Description 2
2.2 Site Investigation History 2
2.3 Site Interim Remediation History 5
3.0 SITE CONCEPTUAL MODEL 7
3.1 Hydrogeologic Setting 7
3.2 Land Use and Conduit Study 8
3.3 Release Scenario 8
3.4 Potential Exposure Pathways, Media of Exposure and Potential Receptors 9
3.5 Likely Exposure Controls 10
4.0 REMEDIAL ACTION OBJECTIVES 11
4.1 Potential Beneficial Groundwater Uses 11
4.2 Groundwater Cleanup Levels 12
5.0 REMEDIAL ACTION ALTERNATIVES 14
5.1 Remediation Design Considerations 14
5.2 Remedial Action Alternatives 14
5.2.1 Alternative 1 – Monitoring Only, Natural Attenuation 15
5.2.2 Alternative 2 –Groundwater Extraction and Treatment 15
5.2.3 Alternative 3 – In-Situ Enhanced Bioaugmentation 16
5.3 Remedial Action Alternative Evaluation 16
5.3.1 Technical Criteria Evaluation 16
5.3.2 Institutional Criteria Evaluation 17
5.3.3 Environmental Protection Criteria Evaluation 17
5.3.4 Economic Criteria Evaluation 18
5.4 Recommended Remedial Action Alternative 18
5.5 Implementation Schedule 19
REFERENCES 20

TABLES AND FIGURES

TABLES

Table 1 – Criteria for Remedial Action Alternative Evaluation
Table 2 – Remedial Action Alternative Evaluation Matrix

FIGURES

Figure 1 – Generalized MtBE Contour Map
Figure P-2 – Site Plan Showing Extraction Well Locations

PROFESSIONAL CERTIFICATION

On behalf of Equilon Enterprises LLC dba Shell Oil Products US, Toxichem Management Systems, Inc. (TOXICHEM) has prepared this Corrective Action Plan (CAP) for the site located at 1705 Berryessa Road, San Jose, California.

This CAP was prepared by the staff of TOXICHEM under the profession supervision of the Senior Engineer whose signature and seal appear hereon.

REGISTERED PROFESSIONAL ENGINEER
KEITH WINEMILLER
C 57744
Exp. 12/31/05
CIVIL
STATE OF CALIFORNIA

Keith Winemiller, P.E.
Senior Engineer

1.0 INTRODUCTION

On behalf of Equilon Enterprises LLC dba Shell Oil Products US (Shell), Toxichem Management Systems, Inc. (TOXICHEM) has prepared this plan for implementing corrective action at the site referenced above. This Corrective Action Plan (CAP) has been prepared in response to the Santa Clara Valley Water District's (SCVWD's) November 14, 2001 email request, and has been prepared in general accordance with Title 23 of the California Code of Regulations (CCR), Division 3, Chapter 16, Article 11, Section 2725. A summary of site conditions, the site conceptual model, the remedial action objectives and alternatives, and the recommended remedial action alternative and implementation schedule follows.

2.0 SITE CONDITIONS

2.1 Site Description

The site is located at 1705 Berryessa Road at Lundy Avenue in a primarily mixed residential and commercial area of San Jose, California. A Shell branded gasoline station currently operates at the site (Figure 1). Three underground fuel storage tanks (USTs) are located near the central portion of the site and adjacent to a kiosk, two dispenser islands, and a carwash.

2.2 Site Investigation History

Environmental investigations began at the site in July 1987, when three 8,000-gallon fuel USTs and a waste oil UST were removed from the site. The fuel UST pit was excavated to approximately 13 feet bgs. Soil samples collected from the tank pit contained low to non-detectable concentrations of petroleum hydrocarbons except for one sample, which contained 810 milligrams per kilogram (mg/kg) total purgeable petroleum hydrocarbons (TPPH) and 8.9 mg/kg benzene. Methyl tert-butyl ether (MtBE) was not tested for.

In September 1987, one groundwater monitoring well (S-1) was installed at the site. Soil samples collected from 9 to 10.5 feet bgs contained high-boiling point petroleum hydrocarbons as oil at 48 mg/kg and methyl ethyl ketone at 0.012 mg/kg.

In December 1994, two soil borings (BH-1 and BH-2) were advanced at the site. No petroleum hydrocarbons were detected from any sample collected from soil boring BH-1, and only 0.0043 mg/kg toluene was detected from the soil samples collected from soil boring BH-2, at 15 feet bgs.

In July 1995, four additional soil borings (BH-3 through BH-6) were advanced at the site. No TPPH, or benzene, toluene, ethylbenzene, and xylenes (BTEX) compounds were detected in any of the soil samples. Two groundwater monitoring wells (S-2 and S-3) were installed adjacent to soil borings BH-2 and BH-3.

The first quarterly groundwater monitoring program was implemented at the site from June 1990 to May 1996. In July 1996, the SCVWD confirmed completion of corrective action and approved the destruction of all site monitoring wells. Wells S-1 through S-3 were properly destroyed in August 1996.

The site was renovated in January 1999, which included removal of two hydraulic hoists, four gasoline dispensers, and associated product piping. During the renovation activities, one soil sample was collected from beneath each of the hydraulic hoists (Hoist-1 and Hoist-2) and

dispensers (D-1 through D-4), and five soil samples from beneath the product piping (P-1 through P-5). The hydraulic hoist samples were collected from approximately 7 feet bgs and the dispenser and product piping samples were collected from approximately 4 feet bgs. Petroleum hydrocarbons were detected in only two soil samples, in D-3 at 2.39 mg/kg TPPH and 1,220 mg/kg total extractable petroleum hydrocarbons (TEPH) and in P-5 at 15 mg/kg TEPH. MtBE, tested for the first time, was detected in only one soil sample, in D-3 at 0.017 mg/kg. There were no petroleum hydrocarbons and MtBE detected in any hydraulic hoist soil sample or in the remaining dispenser and product piping soil samples.

In June 1999, TOXICHEM advanced three soil borings at the site, which were completed as 4-inch-diameter groundwater monitoring wells (MW-1 through MW-3). Soil and groundwater samples were collected from each boring and analyzed for TPPH, TEPH, BTEX compounds, and MtBE. TPPH, TEPH, ethylbenzene and MtBE were detected in only one soil sample, from Boring MW-2 at 25 feet bgs, at concentrations of 18.7, 13.3, 0.650, and 1.10 mg/kg, respectively. Benzene and toluene were not detected in any soil sample. TPPH was detected in groundwater from only Well MW-2 at a concentration of 710 µg/L. TEPH was detected in groundwater from Wells MW-1 and MW-2 at concentrations of 0.0597 and 201 µg/L, respectively. BTEX compounds were only detected in Well MW-2 at concentrations of 0.98, 0.86, 0.58, and 9.2 µg/L, respectively. MtBE was detected in groundwater in Wells MW-1 and MW-3 at concentrations of 2,600 and 15 µg/L, respectively. Additionally, this investigation identified two potential off-site sources of petroleum hydrocarbons and/or MtBE in groundwater within a ¼-mile radius of the site. They are: (1) an operating Chevron station, which is located across Lundy Avenue to the northeast; and (2) City Metals Salvage, which is located about 550 feet to the southwest.

During the June 1999 investigation, a ½-mile supply well survey was conducted. A total of 35 wells were identified within the search radius. Of the wells, 25 wells were listed as destroyed (or abandoned), 7 wells were active, 1 well was inactive, and no information was available on the remaining two wells. All of the active wells are located approximately 1,000 to 2,250 feet from the site. The inactive well is located approximately 1,000 feet southwest of the site. The two wells for which no information was available are located approximately 1,500 to 2,250 feet from the site. The nearest well was located approximately 200 to 300 feet south of the site, and this well was listed as destroyed. TOXICHEM unsuccessfully attempted to locate this well through file and aerial photograph reviews. It is notable that this investigation reported the groundwater flow direction as easterly. It is our current understanding that groundwater flows south to southwesterly and that the calculated easterly flow direction resulted from anomalous groundwater elevation data associated with Well MW-2.

In May 2000, TOXICHEM advanced ten Geoprobe™ borings (GP-1 through GP-10) at the site. Soil and groundwater samples were collected from each boring at discrete depths and analyzed for TPPH, BTEX compound, and MtBE. No TPPH, or BTEX compounds were detected in any soil sample, and only 0.056 mg/kg MtBE was detected in the sample from GP-5 at 10 feet bgs. TPPH was detected in groundwater from eight boring. The highest concentration of TPPH

detected in groundwater from the upper water-bearing zone was 980 μg/L, in GP-5 at 16 feet bgs. The highest concentration of TPPH in the deeper water-bearing zone was 58 μg/L, in GP-6 at 40 feet bgs. BTEX compounds were detected in groundwater from nine borings. The highest concentration of benzene detected in the upper water-bearing unit was 13 μg/L, in GP-6 at 16 feet bgs. The highest concentration of benzene detected in groundwater from the deeper water-bearing unit was 0.8 μg/L, in GP-6 at 36 feet bgs. MtBE was detected in groundwater from in all borings except GP-2. The highest confirmed concentration of MtBE detected in groundwater from the upper water-bearing unit was 60,000 μg/L, in GP-6 at 16 feet bgs. The highest confirmed concentration of MtBE detected in the deeper water-bearing unit was 230 μg/L, in GP-6 at 36 feet bgs. Tertiary butyl alcohol (TBA) was detected in groundwater from three borings at a maximum concentration of 40,000 μg/L, in GP-6 at 16 feet bgs. Tertiary amyl methyl ether (TAME) was detected in groundwater from two borings at a maximum concentration of 2,400 μg/L in GP-9 at 16 feet bgs. There were no other fuel oxygenates [di-isopropyl ether (DIPE) and ethyl tertiary butyl ether (ETBE)] or lead scavengers (ethylene dibromide and 1,2-dichloroethane) detected.

In July 2000, TOXICHEM installed four groundwater monitoring wells (MW-4 through MW-6, and MW-6D). The first three wells were screened from 10 to 20 feet bgs. The fourth well (MW-6D) was screened in the deeper gravelly sand unit, from 34 to 40 feet bgs. There were no soil samples collected from the borings for these wells. There were no TPPH, TEPH, BTEX compounds, MtBE, TBA or TAME detected in the groundwater sample from MW-4. Benzene and MtBE were detected in the sample from MW-5 at 1.2 and 390 μg/L, respectively. Only MtBE was detected in MW-6 at 8,600 μg/L. TEPH and MtBE were detected in Well MW-6D at concentrations of 68 and 6 μg/L, respectively.

In May 2001, TOXICHEM advanced five CPT borings (CPT-1 through CPT-5) at the site. Groundwater samples were collected from each CPT boring at discrete depths and analyzed for TPPH, BTEX compounds, and fuel oxygenates MtBE, DIPE, ETBE, TAME, and TBA using EPA Method 8260. TPPH was only detected in CPT-2. The highest concentration of TPPH detected was 58 μg/L, at 30 feet bgs. However, TPPH was not detected at an elevated detection limit of <20,000 μg/L at 15 feet bgs in the upper water-bearing zone of CPT-2. TPPH was not detected in the lower water-bearing zone. Benzene was only detected in CPT-1 at 1.4 μg/L, at 20 feet bgs. BTEX compounds were detected at an elevated detection limit of <200 μg/L in CPT-2 at 15 feet bgs. No other BTEX compounds were detected above the detection limit of <0.5 μg/L during this investigation. MtBE was detected by EPA Method 8260 in CPT-1 and CPT-2. The highest concentration of MtBE detected in the upper water-bearing unit was 100,000 μg/L, in CPT-2 at 15 feet bgs. The highest concentration of MtBE detected in the deeper water-bearing unit was 310 μg/L, in CPT-2 at 35 feet bgs. No MtBE was detected in the offsite borings CPT-3, CPT-4, or CPT-5. TBA was only detected in CPT-2 at a maximum concentration of 13,000 μg/L, at 15 feet bgs. TAME was only detected in CPT-2 at a maximum concentration of 1.7 μg/L, at 35 feet bgs, though an elevated detection limit of <200 μg/L was reported in the groundwater sample collected at 15 feet bgs. There were no other fuel oxygenates detected.

In August 2001, aquifer testing was conducted to collect data on the feasibility of extracting groundwater from the site. The testing covered both the shallow and deeper water-bearing units. Hydraulic conductivity values ranged between 1.8×10^{-4} cm/sec and 8.9×10^{-5} cm/sec for the shallower zone, and 6.3×10^{-3} cm/sec for the deeper zone. These values are consistent with site geology as documented in the well boring logs. The long-term sustainable well yield was estimated at less than 0.25 gpm. Based on field observations, the radius of influence extended to more than 60 feet at an extraction rate of 0.25 gpm. The simple modeling performed suggests a capture radius of perhaps 10 to 20 feet may be achieved by extraction at the low flow rates exhibited at the site.

In November 2001, TOXICHEM advanced two off-site Geoprobe™ borings (GP-11 and GP-12). GP-11 was advanced to approximately 36 feet bgs and GP-12 was advanced to approximately 34 feet bgs. Depth-discrete groundwater samples were collected from each boring in the upper and lower water-bearing zones and analyzed for TPPH, BTEX compounds, MtBE, TAME, DIPE, ETBE, and TBA by EPA Method 8260.

TOXICHEM returned to the site on December 26, and 27, 2001 and installed nested well pairs MW-2A, MW-2B, and MW-7A and MW-7B. Soil samples were collected from each boring for logging purposes and no soil samples were submitted for laboratory analysis. The shallow Wells MW-2A and MW-7A were screened from approximately 10 to 25 feet bgs. Well MW-2B was screened from 35 to 40 feet bgs, while well MW-7B was screened from approximately 36 to 41 feet bgs.

TPPH and benzene were not detected in groundwater from either boring, however an elevated detection limit of <500 μg/L was reported in GP-11 at 16 feet bgs. MtBE was detected in GP-11 at 16 feet bgs in the upper water-bearing unit at 2,600 μg/L. MtBE was not detected in the lower water bearing unit in Boring GP-11, nor was MtBE detected in the upper or lower water-bearing units of GP-12.

The second groundwater monitoring program has been implemented at the site since June 1999. During fourth quarter 2001, a maximum of 29,000 μg/L TPPH was detected in Well MW-2A, 61 μg/L benzene in Well MW-2A, and 18,000 μg/L MtBE was detected in Well MW-3. TBA and TAME were not detected in any well.

Figure 1 is a generalized MtBE groundwater concentration contour map, using all grab groundwater sample data plus recent monitoring well data.

2.3 Site Interim Remediation History

In October and November 2000, a total of approximately 200 gallons of groundwater were extracted from Wells MW-1, MW-3 and MW-6 as part of a groundwater extraction pilot test program. An estimated 0.01 pound of MtBE was removed during the program. Given the very

low volume of groundwater produced and the resulting low mass of MtBE removed, the program was discontinued.

A groundwater extraction and treatment (GWET) system was proposed in the *Remedial Action Work Plan* (TOXICHEM, November 8, 2001) as an interim remedial action (IRA) to extract MtBE-impacted groundwater from the upper water-bearing unit at the site. Installation of this system was completed in June 2002 and system start-up testing to verify NPDES permit compliance is in-progress. The system consists of four groundwater extraction (GWE) wells and conveyance piping, an air compressor, a holding tank and transfer pump, a bag filter, and three granular activated carbon (GAC) vessels.

Groundwater is extracted from GWE wells E-1 through E-4 (see Figure P-2) using submersible pneumatic pumps, then conveyed through below-grade secondarily contained piping to the treatment compound. The extracted groundwater is pumped into a 500-gallon capacity poly holding tank. Level probes are located in the holding tank and control the operation of system. Once the level of extracted groundwater in the transfer tank reaches approximately 80 percent capacity, a transfer pump automatically begins pumping the extracted groundwater from the transfer tank through a cartridge filter and the GAC vessels. The cartridge filter removes suspended solids from the extracted groundwater. Three GAC vessels, each containing 1,000 pounds of GAC, are arranged in series and are used to treat the extracted groundwater. The treated groundwater is then directly discharged to the storm sewer under authority of a NPDES permit.

At the time of this report, insufficient data exists to provide any general conclusions regarding system performance or effectiveness.

3.0 SITE CONCEPTUAL MODEL

This narrative section provides a conceptual model for the site's fuel release. The model is based upon a compilation of previous site data and data from the surrounding area.

3.1 Hydrogeologic Setting

The site lies on the floor of Santa Clara Valley, at an elevation of about 90 feet above mean sea level. Regionally, the ground slopes gently westward at a grade of approximately 0.007. Upper Penitencia Creek flows westerly about 700 feet southwest of the site, and joins Coyote Creek about ½ mile southwest of the site. Coyote Creek flows northwesterly and discharges to San Francisco Bay, about 6 miles northwest of the site.

The site is located in the San Jose Subarea of the Santa Clara Groundwater Area. Groundwater in the San Jose Subarea exists under nearly completely confined conditions. The water-bearing sequence probably exceeds 1,500 feet in depth and includes alluvium overlying the Santa Clara Formation. Four zones exhibiting similar piezometric surfaces have been identified at depth intervals of 0 to 150 feet, 150 to 350 feet, 350 to 550 feet and deeper than 550 feet. Recharge primarily occurs indirectly by way of subsurface inflow on three sides of the Subarea. The uppermost aquiclude prevents appreciable direct recharge from rainfall infiltration. Direct recharge occurs along Stevens Creek, San Tomas Aquinas Creek and Los Gatos Creek.

Beneath the site and immediate vicinity, soils consist primarily of clays and silts with two notable sandy silt and sand layers. Fill materials extend from ground surface to approximately 2 to 3 feet bgs. Silts and clays underlay the fill material and extend to approximately 10 feet bgs. A water-bearing, sandy silt/silty sand unit occurs at depths between 10 to 16 feet bgs. Silts and clays then typically extend to approximately 36 to 40 feet bgs. Another water-bearing, sand and gravelly sand unit is present from approximately 36 to 38 feet bgs on-site, and from approximately 39.5 to 45 feet off-site to the southeast. Below the sandy layer is a clay and silt of unknown thickness.

Depth to groundwater as measured in wells has varied between 8 and 15 feet. The direction of horizontal groundwater flow in the shallow water-bearing zone over the past seven quarters (when calculated without anomalous groundwater elevations) has been consistently to the south or southwest, toward Upper Penitencia Creek. The gradient has fluctuated between 0.005 and 0.009 for six of the quarters, with a steeper 0.02 measured one quarter. The horizontal groundwater flow direction calculation in the deeper zone is pending surveying the casing elevations of the two newer deep wells. An upward vertical gradient is evident, with higher groundwater elevations measured in the deeper water-bearing zone versus the shallower zone. The groundwater velocity in the shallower water-bearing zone, using the site-specific aquifer test data, a gradient of 0.007, and an estimated porosity of 0.35 for the silty sand/sandy silt unit, is estimated at 0.0013 feet per day, or 0.47 feet per year. The deeper zone groundwater velocity,

using the aquifer test data, a gradient of 0.01 and a porosity of 0.25, is estimated at 0.95 feet per day, or 35 feet per year.

The groundwater monitored beneath the site is apparently situated in the near-surface aquiclude, above the shallowest aquifer in the San Jose Subarea.

3.2 Land Use and Conduit Study

The local land use is predominantly mixed commercial and residential. Residential areas are located immediately northwest and southwest of the site, with commercial areas directly across Berryessa Road and Lundy Avenue from the site (including a gasoline station).

In 1999, a ½-mile supply well survey was conducted. Seven active and one inactive supply wells were identified in the search radius. The active wells include: (1) an agricultural well that was reported about 1,750 feet south of the site (but may actually be about 1,000 feet south of the site); (2) a domestic well about 1,000 feet south; (3) an agricultural well about 1,500 feet northeast; (4) a municipal/industrial well about 1,750 feet southeast; (5) a municipal/industrial well about 1,750 to 2000 feet southwest; (6) a municipal/industrial well 2,250 feet southeast; and (7) a domestic well about 2,250 feet northwest of the site. The inactive well (with an unknown use), is located about 1,000 feet southwest of the site. Also, a destroyed (or abandoned) well of unknown use is situated about 200 to 300 feet south of the site. TOXICHEM later unsuccessfully attempted to locate this well through file and aerial photograph reviews.

In August 2001, a conduit study was performed. It was determined that it is unlikely that utility backfill material acts as a preferential conduit for groundwater and contaminant flow at the site since the majority of the underground utilities are buried 6 feet bgs or less. However, since the storm drain and sanitary sewer typically operate on gravity flow, the backfill material of these utilities could potentially encounter groundwater and act as a preferential conduit for flow. The sanitary sewer main is located on the south side of Berryessa Road, outside the area of the MtBE plume, though the backfill material associated with the lateral onsite could potentially act as a preferential conduit for groundwater and contaminant flow.

3.3 Release Scenario

It is not known when fuel releases from the UST system may have originated; however, gasoline-impacted soil was discovered in 1987, when the USTs were removed. The main contaminants identified at that time were TPPH and benzene. The analysis for MtBE initially occurred in January 1999 during site renovation and upgrade activities. Soil containing low concentrations of MtBE was encountered. Subsequent investigations have identified only trace levels of MtBE in the soil.

MtBE-impacted groundwater was identified in June 1999 and is now the primary contaminant in groundwater (along with TPPH), however, TBA, a breakdown product of MtBE, has also been

detected in groundwater, but not recently. The presence of TBA may indicate a relatively older MtBE release. The oxygenate TAME has also historically been detected in groundwater at the site.

Once released from the UST system, the fuel migrated downward and impacted groundwater in the shallowest water-bearing zone, at depths between 10 and 16 feet. The lack of appreciable MtBE-impacted soil is likely due to this shallow groundwater. MtBE-impacted groundwater is primarily constrained to the upper water-bearing unit; the silts below the upper sandy unit appear to generally retard the vertical migration of MtBE. A maximum of 1,700 μg/L MtBE was detected in groundwater from the deeper water-bearing zone (in Well MW-2B on February 4, 2002 following well installation). For comparison, the first quarter 2002 data collected on March 21, 2002 for this well is 200 μg/L MtBE. It is conservatively estimated that about 30 pounds MtBE is present in groundwater in the shallow water-bearing zone.

The extent of MtBE-impacted groundwater is defined. The MtBE plume is primarily located on-site with the leading edge of the plume located just southeast of the site and beneath Berryessa Road.

3.4 Potential Exposure Pathways, Media of Exposure and Potential Receptors

Potential exposure pathways for MtBE-impacted ground water include inhalation of vapors that volatilized from the impacted ground water, and migrated upward through the soil column and surface paving. Potential receptors are the site's employees and customers. A kiosk is located on-site, up-gradient of the UST complex and in an area of lower groundwater plume concentrations. As a result, any exposure would likely be a nuisance rather than a health threat.

Additional exposure pathways and receptors would exist if groundwater within the impacted zone is used or impacted groundwater discharges to a surface water body. These potential exposure pathways include inhalation of MtBE vapors that volatilize from water during use, direct contact with the impacted groundwater, and ingestion of the impacted groundwater. However, the impacted groundwater is present within the near-surface aquiclude and due to its low yield would be very unlikely to be used as a water source. Furthermore, any water supply wells would likely be screened within the confined aquifer, which is below the surface aquiclude where the majority of site contamination is situated. The nearest active water supply well (agricultural) is about 1,000 feet south of the site. The nearest active domestic well is also located about 1,000 feet south of the site. The nearest surface water body, Upper Penitencia Creek, is situated about 700 feet southwest of the site.

Based on the estimated groundwater velocity, it would take nearly 1,500 years for groundwater in the shallow zone to travel the distance to Penitencia Creek. It is not expected that groundwater present in the deeper zone below depths of 35 feet would discharge to the Creek. It is estimated to take over 400 years for groundwater in the shallow zone and almost 6 years for groundwater in the deeper zone to travel 200 feet to the abandoned well south of the site. It is notable that the groundwater velocity in the deeper zone was conservatively estimated using a hydraulic gradient

of 0.01; the gradient in this zone beneath the site has yet to be measured. Also, improperly destroyed older wells, if present, could potentially act as conduits for impacted shallow groundwater to migrate to deeper water-bearing zones.

An active agricultural well may be about 1,000 feet south of the site, and an active domestic well may be about 1,000 feet south of site. It is estimated to take over 2,100 years for groundwater in the shallow zone and over 21 years for groundwater in the deeper zone to travel the 1,000-foot distance.

3.5 Likely Exposure Controls

Installation of a GWET system was completed in June 2002 and start-up testing is in-progress. This system was installed as an IRA designed to remove MtBE-impacted groundwater from the upper water-bearing unit at the site. This action is expected to reduce or eliminate any potential nuisance exposure concerns, prevent further migration of impacted groundwater in the shallow zone, and help to restore the beneficial uses to the shallow groundwater.

4.0 REMEDIAL ACTION OBJECTIVES

Title 23 of the CCR, Division 3, Chapter 16, Article 11, Section 2720 defines "corrective action" as "...any activity necessary to investigate and analyze the effects of an unauthorized release; propose a cost-effective plan to adequately protect human health, safety, and the environment and to restore or protect current and potential beneficial uses of water; and implement and evaluate the effectiveness of the activity(ies)..."

4.1 Potential Beneficial Groundwater Uses

Local beneficial water uses are described in the San Francisco Bay Region, Region 2, Water Quality Control Plan (Plan). The Plan recognizes the potential and existing uses described below.

- **Municipal and Domestic Supply.** Defined as water use for community water systems, military water systems, and individual water systems. Items of principal concern regarding water supply quality are: (1) protection of public health, (2) aesthetic acceptability of the water, and (3) economic impact associated with water treatment, or water quality damage. Water quality objectives focus on limits for health-related constituents in drinking water.
- **Agricultural Supply.** All uses of water for farming and ranch operations. Quality considerations are similar to those identified for municipal and domestic supply.
- **Industrial Process Supply.** Includes process water supply and use related to manufacturing. Water quality requirements of industry vary; therefore, no meaningful quality considerations exist. Current water treatment technology can produce specific use water quality.

Groundwater beneath the site is part of the Santa Clara Valley Groundwater Basin. A report generated by a consortium of regulatory agencies, dated October 5, 1984, discusses use of local groundwater supplies. The report is titled Ground Water and Drinking Water in the Santa Clara Valley: A White Paper. According to the report, groundwater production during 1981 through 1982 totaled 146,247 acre-feet (approximately 48 billion gallons). Of that amount, 4 percent was used for agricultural purposes, and 96 percent was used for non-agricultural purposes. The report does not distinguish non-agricultural uses.

State Water Board Resolution 88-63 specifies that ground and surface waters of the State are either existing or potential sources of municipal and domestic supply. In relation to groundwater beneath the site, it must be noted that attention is focused on shallow groundwater supplies. Both the Plan and groundwater reports state that uses associated with shallow groundwater supplies are restricted by limited yield, high nitrate levels, salt-water intrusion, and groundwater extraction

economics. The impacted groundwater beneath the site is in a silty unit that would restrict well yield and likely result in groundwater extraction being economically infeasible.

Final draft Guidelines for Investigation and Cleanup of MtBE and Other Ether-Based Oxygenates were developed for the Regional Water Quality Control Boards and local agencies on March 27, 2000. The guidelines were developed to identify areas most vulnerable to groundwater contamination, provide a priority ranking of MtBE sites, outline a decision making framework for determining appropriate actions at sites, and propose timeframes for completing site management milestones. Based upon site MtBE levels and the distance to the nearest receptor, the site is classified in Investigation Priority Class A. Regardless of the Investigation Priority Class a site is categorized in, source area remediation is generally recommended at concentrations above 10,000 μg/L. Using the estimates of plume travel and the distance to nearest receptors, the site would be classified in either Cleanup Priority Class 2 or 3.

When considering the groundwater beneath the site has potential beneficial uses, the RWQCB's RBSL for MtBE in soil is 0.028 mg/kg, which is similar to the maximum concentration of 0.056 mg/kg detected in vadose-zone soil beneath the site. Therefore, remediation of the limited vadose zone is considered unwarranted.

Based on a maximum MtBE concentration of 1,700 μg/L detected in deeper zone groundwater on February 4, 2002 following installation of Well MW-2B, active remediation of the deeper zone is not warranted at this time. However, groundwater quality in this zone will be monitored and the need for future active remediation will be continually assessed. For comparison purposes, the yet-to-be-reported first quarter 2002 data detected MtBE in this well at 200 μg/L.

In summary, remedial action objectives should recognize: (1) the existing groundwater beneficial use is limited because of the low water quality and yield associated with groundwater from the near-surface aquiclude, and (2) the potential beneficial uses are municipal, industrial and domestic supply.

4.2 Groundwater Cleanup Levels

Constituents of concern (COCs) at the site are identified as TPPH, BTEX compounds and MtBE. To direct the design of remedial action, remedial objectives were identified. The following objectives were formulated with attention to site characteristics, public health and safety, protection of beneficial water uses, and physical and economic constraints.

1. Eliminate the potential for exposure to groundwater with COC concentrations in excess of acceptable compound levels.
2. Eliminate hazardous conditions associated with the presence of COCs in the subsurface environment.
3. Protect the potential use of groundwater from the shallow water-bearing zone outside the residual plume as domestic and municipal supply.

4. Initiate attenuation of COC concentrations.

Acceptable cleanup levels for groundwater will be based on the California Department of Health Services Primary MCLs for Drinking Water established as of May 23, 2000. The proposed cleanup levels will be as follows: 1,000 μg/L TPPH and TEPH, 1 μg/L benzene, 700 μg/L ethylbenzene, 150 μg/L toluene, 1,750 μg/L total xylenes, and 13 μg/L MtBE. Based on the categorization of the site as a Class 3 site, risk-based corrective action analysis may warrant site closure before the above water quality goals are achieved.

5.0 REMEDIAL ACTION ALTERNATIVES

Remedial action alternatives were formulated considering the requirements stated in CCR, Title 23, Article 11. Specifically, all alternatives must be designed to mitigate nuisance conditions and risk of fire or explosion, and at least two alternatives shall be identified for restoring or protecting beneficial uses of water. To identify applicable technologies for remedial action alternative consideration, key site conditions were evaluated. These conditions were generally outlined earlier, and are further summarized below.

5.1 Remediation Design Considerations

The majority of elevated MtBE-impacted groundwater is in the shallow water-bearing zone, at depths between 10 and 16 feet, with maximum recent concentrations of 18,000 µg/L (in Well MW-3). Lower concentrations have been detected in groundwater from the deeper zone between 35 and 40 feet bgs, with a maximum of 1,700 µg/L (in Well MW-2B). The shallower zone is much less permeable than the deeper zone, and sustainable groundwater extraction rates from the shallow zone are estimated at less than 0.25 gpm.

Resources should focus on inhibiting the migration of MtBE and on removing the MtBE mass.

A GWET system has been installed as an IRA to remediate the shallower zone. This system will operate as an IRA until the recommended remedial alternative is approved and implemented.

5.2 Remedial Action Alternatives

Several remediation technologies were identified in association with the general response actions. Technologies were qualitatively screened and applicable technologies were used to construct remedial alternatives. During the screening process, technologies were eliminated from further consideration on the basis of technical implementability. In-situ and ex-situ technologies were considered. Technologies that passed the screening process were combined to create alternatives that would address the remedial objectives.

One alternative that was screened but dropped from further evaluation is groundwater sparging. Sparging is an in-situ remedial technology that reduces concentrations of volatile constituents (including benzene and to a lesser extent MtBE) in petroleum products that are adsorbed to soils and dissolved in groundwater. This technology involves the injection of air or an air/ozone mixture into the subsurface saturated zone, enabling a phase transfer of hydrocarbons from a dissolved state to a vapor phase. If ozone is added, the ozone reacts with the contaminant to decompose it into simple products (with MtBE, the by-products are alcohols, acetate and formate). Additionally, the residual oxygen from the reaction encourages bioremediation, which consumes the breakdown products and converts them to carbon dioxide and water. However, sparging should not be used to treat groundwater in a confined aquifer because the injected air

would be trapped by the confining layer and could not escape to the unsaturated zone, where it would be captured by a soil vapor extraction system. Since the shallow water-bearing zone appears to be fully saturated throughout the year, this alternative was dropped from further consideration.

For this remedial feasibility evaluation, the following three alternatives were developed for further assessment:

5.2.1 Alternative 1 – Monitoring Only, Natural Attenuation

Under Alternative 1, the existing GWET system would not be operated. The impacted groundwater would be left completely to natural processes to attenuate, with the predominant processes being biodegradation and dilution over an unknown duration. It is not however a "do nothing" approach. Health risks at least would be evaluated, and control measures would be formulated and implemented to adequately mitigate the concerns, including future land use. No other action would be taken if monitoring showed that the COC plume was stable. Even if completely unacceptable to regulatory agencies, the cost of this alternative serves as a baseline to evaluate the other alternatives.

5.2.2 Alternative 2 –Groundwater Extraction and Treatment

GWET is a proven technology for controlling migration of and reducing contamination present in groundwater. Extracted groundwater is treated above-ground using technology selected based on flow rate and contaminant concentrations in the groundwater. By extraction from the most impacted region, a gradient is created which can control contaminant migration. Treated water is discharged or reinjected depending on the design objectives, relative cost and permitting. GWE is more successful in relatively permeable soils.

Under Alternative 2, the GWET system that is currently on-site would be operated until no further incremental benefit to public health, the environment, or groundwater is being achieved. Hydraulic control of the plume will be assessed, and could be modified, if necessary, by extracting from additional wells in the shallow and/or deeper zone. The existing groundwater monitoring program would be used to monitor the effectiveness of the extraction network.

Extracted groundwater will be treated using three GAC vessels in series. If warranted by future site conditions or system operations, the lead carbon vessel could be converted into a BioGAC reactor to pre-treat the extracted groundwater and reduce MtBE (and TBA) concentrations. The BioGAC reactor would be inoculated with an oxygenate-degrading culture, and a low-flow hydrogen peroxide and essential nutrient solution feed would be used to enhance degradation. The two remaining carbon vessels would continue to further treat the water.

5.2.3 Alternative 3 – In-Situ Enhanced Bioaugmentation

Bioaugmentation is a remediation technology in which groundwater is inoculated with microorganism cultures to accelerate the rate of biodegradation of contaminant compounds. The specialized microbes can metabolize recalcitrant chemicals. A relatively new microbial culture (BioRemedy®) degrades MtBE to carbon dioxide and water. Oxygen and BioRemedy are added (or "seeded") to the aquifer to form a "biobarrier" that the MtBE plume flows through. MtBE-impacted groundwater flows through the microbe- and oxygen-rich zone, contacts the microbes, and the MtBE is degraded to carbon dioxide and water. Microbial seeding can also be used in source areas to enhance MtBE biodegradation. The MtBE-degrading microbes are introduced to the subsurface through special injection techniques or through infilling a trench. Oxygen is supplied to the subsurface either by pulse-injecting oxygen gas or air.

Factors that could influence the success of this alternative include long-term viability of the microorganisms, immobilization/detachment of the microorganisms within soil particles, availability of suitable electron acceptors, groundwater pH and redox potential, hydraulic conductivity of the aquifer and soil composition. Additional physical and chemical testing of site soil and groundwater, plus pilot or bench testing is recommended.

Suitable sites are characterized by unconsolidated sediments, a constant or near-constant groundwater flow direction, water level fluctuation less than 10 feet, and depth to groundwater less than 25 feet. Heterogeneous or low-permeability soils may require a biobarrier-type trench.

5.3 Remedial Action Alternative Evaluation

The remedial action alternatives were evaluated using technical, institutional, environmental protection, and economic criteria (Table 1). A detailed summary of the evaluation is presented below and on Table 2. The cost estimates are provided in ranges to reflect uncertainties. All costs are in current year dollars.

5.3.1 Technical Criteria Evaluation

Alternatives 1 and 2 are technically feasible and are based on proven and documented processes, and should achieve the remedial objectives given sufficient time. It is notable that the time required by Alternative 1 may be unacceptable. Alternative 3 is a new and unproven technology, and has only been successfully applied at a limited number of sites. The technical complexity of the alternatives increases from Alternative 1 to Alternative 3. Performance in achieving the remedial objectives through monitoring is measurable with all three alternatives.

All three alternatives are potentially implementable. Alternative 1 is more implementable than Alternative 2 because it only involves monitoring whereas Alternative 2 requires regular operation and maintenance (O&M) activities in addition to monitoring activities. Alternative 3 is the least implementable. In addition to additional construction requirements, O&M of the system would be more challenging considering the precise and uniform distribution requirements

associated with seeding and maintaining an oxygen-rich environment to sustain enhanced biodegradation. Alternative 1 is least disruptive to existing and future site usage. Alternatives 2 and 3 are expected to have minor disruption affects on site operations.

Alternatives 1 and 3 would have no affect on the migration of impacted groundwater in either the upper or lower water-bearing zones. Only Alternative 2 is expected to affect the migration of impacted groundwater in both water-bearing zones; groundwater extraction should reduce or eliminate the migration of impacted groundwater in the upper water-bearing zone. It should also facilitate the migration of impacted groundwater from the lower water-bearing zone into the upper water-bearing zone, thus facilitating restoration of the lower water-bearing zone. The rate of biodegradation is expected to be highest with Alternative 3.

5.3.2 Institutional Criteria Evaluation

Alternative 1 is expected to be less acceptable to regulatory agencies than Alternatives 2 and 3 because lateral and vertical migration of MtBE-impacted groundwater may continue. A health risk assessment would need to be completed to ascertain whether future unrestricted use is possible without instituting control measures. These measures could include a deed restriction or some other formal limitations of land use. Special restrictions, conditions, and/or notifications on subsurface work would more likely be needed to protect subsurface workers. A formal long-term verification monitoring plan (such as annual site inspections by a qualified person) may be required and this cost is included in the range provided. This could be conducted concurrently with the groundwater monitoring program already in place for the site. Periodic monitoring of ground water quality would provide a viable means to evaluate the change and extent of soluble contamination over time.

Alternatives 2 and 3 are expected to be more acceptable to regulatory agencies than Alternative 1 because is satisfies SWRCB resolutions for investigation and cleanup, and because progress toward achieving the remedial objectives would be proactive and monitored. Alternative 2 is expected to be more acceptable to regulatory agencies than Alternative 3, as it uses proven technology and would immediately reduce or eliminate further migration of impacted groundwater.

Various permits, including those from the City of San Jose, BAAQMD and/or RWQCB are required and are readily available for implementation of Alternatives 2 and 3. Fewer special restrictions, conditions, and/or notifications on subsurface work are expected with Alternatives 2 and 3. Periodic monitoring of groundwater quality would provide a viable means to evaluate the change and extent of soluble contamination over time.

5.3.3 Environmental Protection Criteria Evaluation

All alternatives achieve environmental protection given sufficient time. However, Alternative 1 will not immediately protect the nearest receptors, and Alternative 2 is likely to be more immediately protective than Alternative 3.

Alternative 1 does not protect groundwater in the deeper zone from further degradation, whereas Alternatives 2 and 3 would more quickly remove the MtBE mass from the shallower zone, thus reducing further degradation of deeper groundwater.

There are more operational risk factors associated with Alternatives 2 and 3, which can be adequately addressed using a site safety plan. The potential for nuisance conditions are greater with Alternative 1.

Alternatives 1 and 3 have the advantage of mineralizing MtBE in-situ to innocuous products (carbon dioxide and water), rather than being transferred to another medium (like GAC as with Alternative 2).

5.3.4 Economic Criteria Evaluation

Alternatives 1, 2, and 3 are estimated to cost $365,000, $528,500, and $643,200, respectively. The projected lifespan of each alternative is 10 years. The cost to install and eventually decommission the existing system is factored into all of the alternatives. Regulatory oversight and Shell administration costs are not included in the estimated cost for each alternative.

5.4 Recommended Remedial Action Alternative

The primary advantage of Alternative 1 is low cost. The main disadvantages of this alternative are the slow rate of natural attenuation processes, the lack of migration control, the risk of further degradation of deeper groundwater, and the anticipated lack of regulatory acceptance.

The primary advantages of Alternative 2 are the removal of MtBE mass, the prevention of MtBE plume migration in the shallow zone, and the reduction or elimination of further degradation of groundwater in the deeper zone. The main disadvantages are the higher cost, the need to discharge treated groundwater, plus the relatively low well yield estimated for the site will lengthen the time required for remediation.

The primary advantages of Alternative 3 is the removal of MtBE mass, the reduction or of further degradation of groundwater in the deeper zone due, and in-situ, as opposed to ex-situ, treatment. The main disadvantages are higher cost when considering Alternative 2, the potential for plume migration if a "biobarrier" is not completely successful, and that the innovative technology has not been proven yet at many sites and may be met with regulatory reluctance.

Based on the evaluation of the remedial action alternatives above, TOXICHEM recommends implementing Alternative 2. This recommendation best meets the technical, institutional, and environmental protection criteria, at a higher cost than Alternative 1, which does not fully meet the above criteria, and at a lower cost than Alternative 3.

5.5 Implementation Schedule

A GWET system is currently installed at the site and start-up testing is in-progress. The system will continue to operate throughout the CAP approval process and operation would continue without disruption if the recommended alternative is accepted. Active remediation should continue until it is determined that significant offsite migration will no longer occur and that residual COCs will not pose a significant risk to potential receptors. However, actively remediating to the cleanup levels presented above is not practical or necessary. When it is determined that no significant risk to receptors exists and that significant offsite migration will not occur, active remediation should cease. After completion of active remediation, monitoring will continue until water quality objectives are approached and case closure is obtained.

REFERENCES

California Department of Water Resources, August 1967, Evaluation of Ground Water Resources, South Bay, Appendix A: Geology, Bulletin No. 118-1.

Freeze, R.A., and Cherry, J.A., 1979, Groundwater, Prentice-Hall, Inc., Englewood Cliffs, New Jersey.

Salanitro, J., and others, 1999, Potential for MtBE Bioremediation – In-Situ Inoculation of Specialized Cultures, paper for the Proceedings of the Petroleum Hydrocarbons and Organic Chemicals in Groundwater: Prevention, Detection and Remediation Conference, Nov. 17-20, Houston, Texas.

Spinner, G.E. and others, 2001, Enhanced Bioremediation of MtBE (BioRemedy) at Retail Gas Stations, Contaminated Soil, Sediment & Water, Special Oxygenated Fuels Edition, Spring 2001.

Table 1
Criteria for Remedial Action Alternative Evaluation

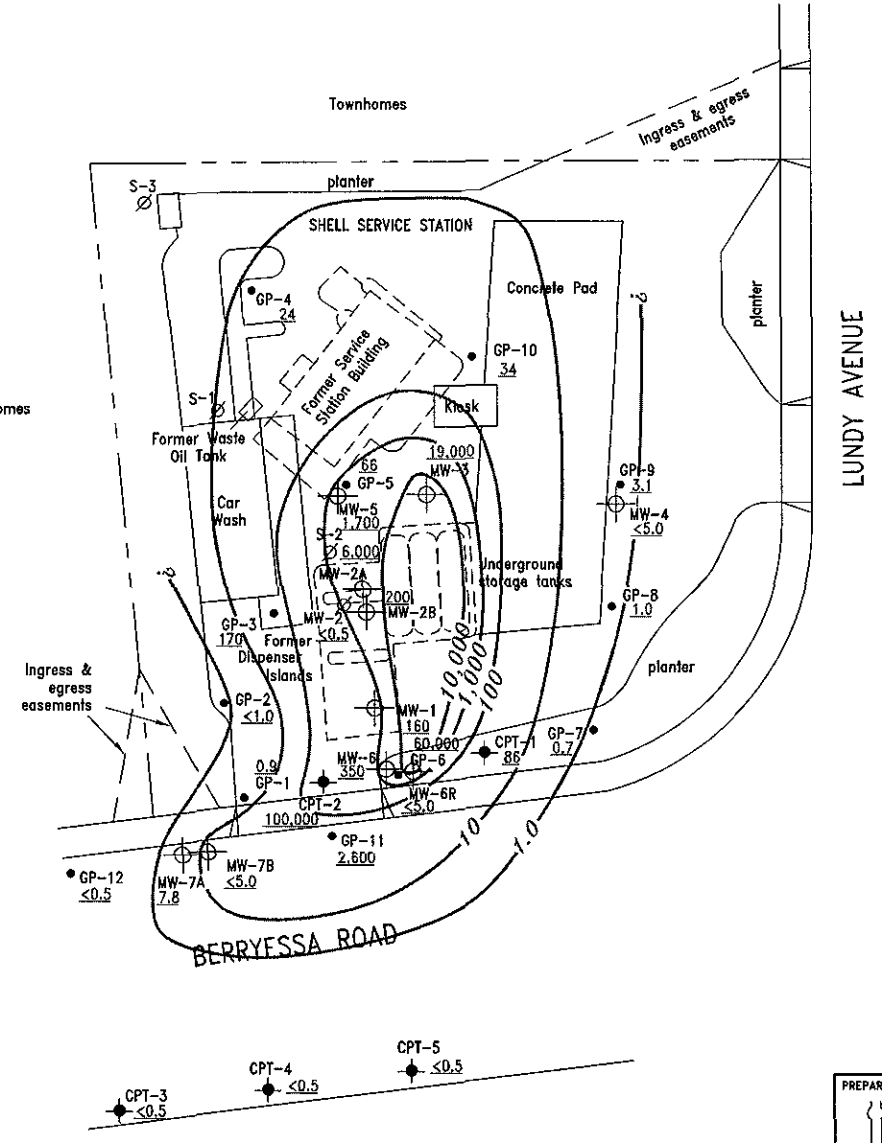
Shell-branded Service Station
1705 Berryessa Road, San Jose, California

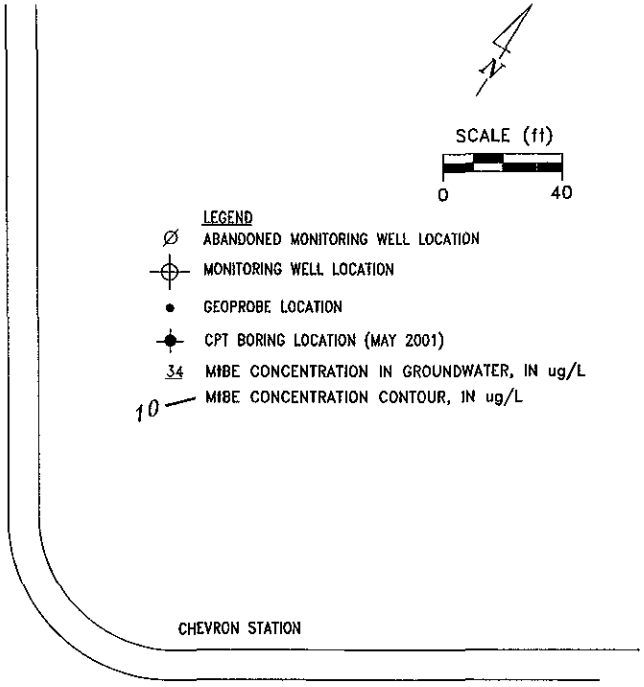
Technical	Institutional	Environmental Protection	Economic
Performance	Federal	Beneficial Water Use	Capital
Effectiveness	State	Public Safety	Operation and Maintenance
Lifespan	Local	Health Risk	Groundwater Monitoring
Implementability	County		
	City		
	Other		

Table 2
Remedial Action Alternative Evaluation Matrix

Shell-branded Service Station
1025 S. Winchester Boulevard, San Jose, California

Remedial Action Alternative	Technical	Institutional	Environmental Protection	Economic
Alternative 1 - Monitoring Only with Natural Attenuation	Easy to implement Proven natural process Contaminants addressed through natural processes Long lifespan	OSHA; CAL-OSHA, safety plan, possible deed restriction and other compliance measures	No short-term protection of beneficial water use No increased exposure Oxygenates may be difficult to attenuate Longer-term risk	Health risk assessment Existing GWET system installation Long-term groundwater monitoring Closure costs $225,000 (Estimated initial costs) $100,000 (Estimated Year 1-10 costs) $40,000 (Estimated future costs) **TOTAL = $365,000**
Alternative 2 - Groundwater Extraction and Treatment	Moderate implementation Proven technology Contaminants addressed though on-site treatment Reduces or eliminate plume migration Removes MtBE mass from aquifer Short-medium lifespan	OSHA; CAL-OSHA, safety plan, and other compliance measures RWQCB NPDES permit required for groundwater discharge Building/city/fire codes compliance SCVWD well permits Consistent with the maximum benefit of the people	Protection of beneficial water use via mass removal and hydraulic control Low risk, health and safety Low-risk construction Low-risk treatment via automatic process control and redundant safety design Increase potential exposure pathway; but control, materials, and secondary containment limit possible exposure Extended risk period over lifespan	Long-term groundwater monitoring Existing GWET system installation System start-up, O&M, and reporting Closure cost $200,000 (Estimated initial costs) $288,500 (Estimated Year 1-10 costs) $40,000 (Estimated future costs) **TOTAL = $528,500**
Alternative 3 - In-Situ Enhanced Bioaugmentation	Moderate implementation Additional construction required resulting in facility disruption Unproven technology Operationally sensitive Contaminants addressed in-situ Does not affect plume migration Relies on microorganisms to remove mass from aquifer Short-medium lifespan	OSHA; CAL-OSHA, safety plan, and other compliance measures Building/city/fire codes compliance SCVWD well permits Consistent with the maximum benefit of the people	Protection of beneficial water use via mass removal and hydraulic control Low risk, health and safety Low-risk construction Low-risk treatment via automatic process control and redundant safety design Increase potential exposure pathway; due to inhalation Extended risk period over lifespan	Long-term groundwater monitoring Existing GWET system installation System redesign, permitting, start-up, O&M, and reporting Closure cost $325,000 (Estimated initial costs) $326,200 (Estimated Year 1-10 costs) $55,000 (Estimate future costs) **TOTAL = $643,200**





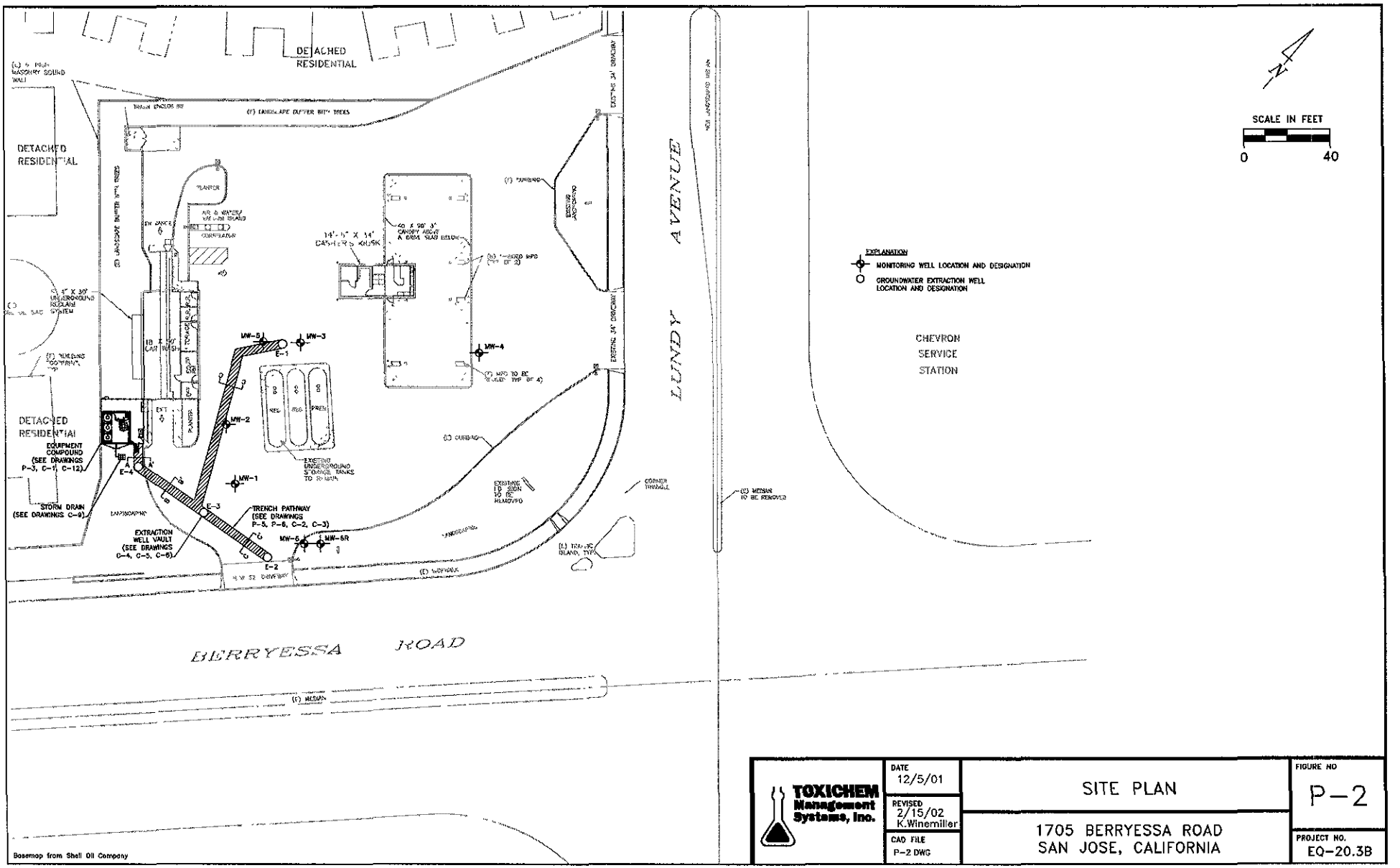
Ref. EQ-20.1A/SITEMAPB.DWG
Basemap from Cambria

PREPARED BY
TOXICHEM Management Systems, Inc.
Environmental & Occupational Health Services

GENERALIZED MIBE CONCENTRATION CONTOUR MAP

Shell-branded Service Station
1705 Berryessa Road
San Jose, California

FIGURE: 1
PROJECT: EQ-20



TOXICHEM Management Systems, Inc.	DATE 12/5/01	SITE PLAN	FIGURE NO P-2
	REVISED 2/15/02 K.Winemiller	1705 BERRYESSA ROAD SAN JOSE, CALIFORNIA	
	CAD FILE P-2 DWG		PROJECT NO. EQ-20.3B

RECEIVED
August 28, 2009
Santa Clara County
Dept. of Environmental Health
(Electronic Stamp)

August 28, 2009
DELTA Project No. SCA1705B1A
SAP No. 136010

Mr. Mamerto Jorvina
Santa Clara County Department of Environmental Health
1555 Berger Drive, Suite 300
San Jose, CA 95112-2716

Re: SECOND QUARTER 2009 GROUNDWATER MONITORING REPORT
Shell-Branded Service Station
1705 Berryessa Road
San Jose, California

DELTA

Dear Mr. Jorvina:

On behalf of Shell Oil Products US (Shell), Delta Consultants (Delta) has prepared this *Second Quarter 2009 Groundwater Monitoring Report* for the referenced site. The sampling activities at the site were conducted by Blaine Tech Services, Inc. (Blaine Tech) under direct contract to Shell and included the collection of groundwater samples and static water level measurements. Delta did not provide any oversight of Blaine Tech's work or protocol. A Delta staff member under the supervision of a California Registered Civil Engineer or a California Professional Geologist performed evaluation of the data provided to us.

Under the direction of State Water Resources Control Board (SWRCB) Resolution No. 2009-0042, Section 3, Delta requested modifications to the quarterly monitoring and sampling requirements for this site in the *First Quarter 2009 Groundwater Monitoring Report and Sampling Reduction Request* dated May 28, 2009. A copy of the resolution is presented in Appendix A. The CSCDEH approved the changes in a letter to Shell dated July 29, 2009. A copy of the regulatory letter is presented in Appendix B.

This document represents Delta's professional opinions based upon the currently available information and is arrived at in accordance with currently acceptable professional standards. This document is based upon a specific scope of work requested by the client. The Contract between Delta and its client outlines the scope of work, and only those tasks specifically authorized by that contract or outlined in this document were performed. Delta will not and cannot be liable for unauthorized reliance by any other third party. Other than as contained in this paragraph, Delta makes no express or implied warranty as to the contents of this document.

312 Piercy Road San Jose, California 95138 USA
Phone +1 408.224.4724 / USA Toll Free 800.477.7411
Fax +1 408.225.8506 www.deltaenv.com

If you have any questions regarding this site, please contact Ms. Regina Bussard (Delta) at (408) 826-1876 or Ms. Carol Campagna (Shell) at (707) 864-1617.

Sincerely,
Delta Consultants

Regina Bussard, P.G.
Project Manager

Richard A. Garlow, M.S., P.G.
Project Specialist

REGISTERED GEOLOGIST
RICHARD A GARLOW
NO. 7472
STATE OF CALIFORNIA

Attachment: Second Quarter 2009 Groundwater Monitoring Report

cc: Ms. Carol Campagna, Shell Oil Products US

SHELL QUARTERLY GROUNDWATER MONITORING REPORT

Station Address:	1705 Berryessa Road, San Jose, California
DELTA Project No.:	SCA1705B1A
SHELL Project Manager / Phone No.:	Carol Campagna / (707) 864-1617
DELTA Site Manager / Phone No.:	Regina Bussard / (408) 826-1876
Primary Agency / Regulatory ID No.:	Santa Clara County Department of Environmental Health / Mamerto Jorvina
Other Agencies to Receive Copies:	None

WORK PERFORMED THIS QUARTER (SECOND – 2009):

1. Quarterly groundwater monitoring and sampling on **May 27, 2009**. Submitted quarterly report.

WORK PROPOSED FOR NEXT QUARTER (FOURTH – 2009):

1. Semi-annual groundwater monitoring and sampling. Submit semi-annual report.

Current Phase of Project:	Groundwater Monitoring
Frequency of Sampling:	MW-1, -2A, -3, -4, -5, -6, -7A, E-1, -2, -3 and -4 Quarterly; MW-2B, -6D and -7B Semi-annually, 2nd and 4th quarters All wells reduced to semi-annually, 2nd and 4th quarters
Frequency of Monitoring:	Reduced to semi-annual
Is Separate Phase Hydrocarbon Present On-site (Well #'s):	☐ Yes ☒ No
SPH Recovered This Quarter :	None
Groundwater Recovered this Quarter:	232.8 gallons were recovered during sampling on May 27, 2009.
Sensitive Receptor(s) and Respective Direction(s):	A municipal drinking water well (Berryessa Well 01) is located approximately 888 feet northwest of the site.
General Site Lithology:	Clays, silts, sandy silt and sand. A clayey sand from 10 to 20 feet below grade and a gravelly sand from 37 to 41 feet below grade appear to be the main water bearing units.
Current Remediation Techniques:	NA
Permits for Discharge:	NA
Approximate Depth to Groundwater:	8.02 to 13.90 feet below top of well casing
Groundwater Gradient:	South-southwest at a gradient of 0.005 ft/ft, consistent with previous data.
Current Agency Correspondence:	CSCDEH letter dated July 29, 2009 revising the monitoring and reporting schedule.

SHELL QUARTERLY GROUNDWATER MONITORING REPORT (CONT.)

Site History:

Case Opening	1987 – Hydrocarbon impacted soil discovered during UST replacement. Site closed by Santa Clara Valley Water District (SCVWD) in 1996. 1999 - Hydrocarbon impacted soil discovered during dispenser upgrade, site reopened by SCVWD.
Onsite Assessment	1987 – 1995 – onsite wells and soil borings. 1999 – 2001 – additional onsite wells and soil borings, groundwater monitoring.
Offsite Assessment	CPT, May 2000.
Passive Remediation	Natural Attenuation
Active Remediation	Excavation and removal of two hydraulic hoists, four gasoline dispensers, and associated product piping January 1999, Groundwater Extraction and Treatment System installed December 2001 and shutdown May 2005 due to low influent concentrations.
Closure	NA
Summary of Unusual Activity:	None

Discussion:

Analytical results from groundwater samples collected on May 27, 2009 from wells MW-1, MW-2A, MW-2B, MW-3, MW-4, MW-5, MW-6, MW-6D, MW-7A, MW-7B, E-1, E-2, E-3, and E-4 indicated the following:

TPH-g was detected in groundwater samples from wells MW-2A and MW-3 at a concentrations of 570 micrograms per liter (µg/L) and 74 µg/L, respectively..

MTBE was detected in groundwater samples from wells MW-3, MW-6, and E-2 at concentrations ranging from 19 µg/L (MW-6) to 51 µg/L (MW-3).

Benzene and TBA were not detected in the groundwater samples from any of the wells.

ATTACHMENTS:

Tables:

Table 1 – Well Concentrations

Figures:

Figure 1 – Site Location Map

Figure 2 – Groundwater Elevation Contour Map

Figure 3 – Hydrocarbon Distribution in Groundwater Map

Appendices:

Appendix A – State Water Resources Control Board Resolution No. 2009-0042

Appendix B – Regulatory Correspondence

Appendix C – Blaine Tech Services, Inc. Field Data Sheets

Appendix D – Blaine Tech Services, Inc. Field Procedures

Appendix E – Laboratory Report and Chain-of-Custody Documentation

TABLE

TABLE 1
WELL CONCENTRATIONS
Shell-branded Service Station
1705 Berryessa Road
San Jose, CA

Well ID	Date	TPPH (ug/L)	TEPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	DO Reading (ppm)
MW-1	6/23/1999	<50	59.7 a	<0.50	<0.50	<0.50	<0.50	2,400	2,600	NA	NA	NA	NA	86.64	13.31	73.33	NA
MW-1	9/14/1999	<50	<50	<0.5	<0.5	<0.5	<0.5	15,000	3,600	NA	NA	NA	NA	86.64	13.40	73.24	NA
MW-1	12/23/1999	<50	<50	<0.5	<0.5	<0.5	<1	150	170	NA	NA	NA	NA	86.64	13.40	73.24	NA
MW-1	3/2/2000	170	94	15	3.2	7.2	23	11,000	9,300	NA	NA	NA	NA	86.64	12.15	74.49	NA
MW-1	6/12/2000	<50	<50	<0.5	<0.5	<0.5	<1	6,600	8,100	NA	NA	NA	NA	86.64	13.11	73.53	NA
MW-1	9/14/2000	<50	<50	<0.5	<0.5	<0.5	<1.0	1,200	1,400	NA	NA	NA	NA	86.64	13.30	73.34	NA
MW-1	12/11/2000	68	<50	<0.5	<0.5	<0.5	<1.0	1,500	1,300	NA	NA	NA	NA	86.64	13.66	72.98	NA
MW-1	3/16/2001	70,000	180	130	<25	<25	<50	110,000	140,000	NA	NA	NA	NA	86.64	13.50	73.14	NA
MW-1	6/11/2001	520	<50	<0.5	<0.5	<0.5	<1.5	760	1,200	NA	NA	NA	NA	86.64	14.06	72.58	NA
MW-1	9/18/2001	<250	<50	<2.5	<2.5	<2.5	<2.5	NA	1,400	NA	NA	NA	NA	86.64	13.46	73.18	NA
MW-1	11/26/2001	<50	<50	<0.50	<0.50	<0.50	<0.50	NA	320	NA	NA	NA	NA	86.64	13.88	72.76	NA
MW-1	3/21/2002	<50	<50	<0.50	<0.50	<0.50	<0.50	NA	160	NA	NA	NA	NA	86.64	13.58	73.06	NA
MW-1	6/24/2002	<50	<50	<0.50	<0.50	<0.50	<0.50	NA	88	NA	NA	NA	NA	86.64	13.90	72.74	NA
MW-1	9/20/2002	<50	<50	<0.50	<0.50	<0.50	<0.50	NA	260	NA	NA	NA	NA	86.64	14.58	72.06	NA
MW-1	12/23/2002	<50	<50	<0.50	<0.50	<0.50	<0.50	NA	860	NA	NA	NA	NA	86.64	13.81	72.83	NA
MW-1	3/24/2003	140	<50	<0.50	<0.50	<0.50	<1.0	NA	120	NA	NA	NA	NA	86.64	14.29	72.35	NA
MW-1	6/13/2003	<50	<50	<0.50	<0.50	<0.50	<1.0	NA	12	NA	NA	NA	NA	86.64	13.53	73.11	NA
MW-1	9/10/2003	<50	<50	<0.50	<0.50	<0.50	<1.0	NA	3.4	NA	NA	NA	NA	86.64	14.70	71.94	NA
MW-1	11/26/2003	<1,000	730 a	<10	<10	<10	<20	NA	570	NA	NA	NA	NA	86.64	12.84	73.80	NA
MW-1	3/16/2004	<50	100 a	<0.50	<0.50	<0.50	<1.0	NA	8.1	NA	NA	NA	NA	86.64	13.40	73.24	NA
MW-1	5/19/2004	<50	74 a	<0.50	<0.50	<0.50	<1.0	NA	1.9	NA	NA	NA	NA	86.64	12.50	74.14	NA
MW-1	9/9/2004	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	0.77	NA	NA	NA	80	86.64	12.75	73.89	NA
MW-1	12/9/2004	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	0.71	NA	NA	NA	<5.0	86.64	12.89	73.75	NA
MW-1	3/9/2005	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	0.99	NA	NA	NA	<5.0	86.64	12.70	73.94	NA
MW-1	6/15/2005	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	0.66	NA	NA	NA	<5.0	86.64	11.71	74.93	NA
MW-1	9/20/2005	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	0.96	<2.0	<2.0	<2.0	<5.0	86.64	11.99	74.65	NA
MW-1	12/30/2005	<50	NA	<0.50	<0.50	<0.50	<0.50	NA	0.58	NA	NA	NA	<20	86.64	11.58	75.06	NA
MW-1	3/16/2006	<50.0	NA	<0.500	<0.500	<0.500	<0.500	NA	<0.500	NA	NA	NA	<10.0	86.64	11.26	75.38	NA

TABLE 1
WELL CONCENTRATIONS
Shell-branded Service Station
1705 Berryessa Road
San Jose, CA

Well ID	Date	TPPH (ug/L)	TEPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	DO Reading (ppm)
MW-1	6/19/2006	<50.0	NA	<0.500	<0.500	<0.500	<0.500	NA	0.640	NA	NA	NA	<10.0	86.64	11.48	75.16	NA
MW-1	9/22/2006	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	<1.0	<1.0	<1.0	<1.0	<10	86.64	11.70	74.94	NA
MW-1	12/13/2006	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	<0.50	NA	NA	NA	<5.0	86.64	11.85	74.79	NA
MW-1	3/28/2007	<50	NA	<0.50	<1.0	<1.0	<1.0	NA	<1.0	NA	NA	NA	<10	86.64	11.63	75.01	NA
MW-1	6/28/2007	<50 h	NA	<0.50	<1.0	<1.0	<1.0	NA	0.27 g	NA	NA	NA	<10	86.64	12.19	74.45	NA
MW-1	9/20/2007	<50 h	NA	<0.50	<1.0	<1.0	<1.0	NA	<1.0	<2.0	<2.0	<2.0	<10	86.64	12.33	74.31	NA
MW-1	12/7/2007	<50 h	NA	<0.50	<1.0	<1.0	<1.0	NA	0.33 g	NA	NA	NA	<10	86.64	12.35	74.29	NA
MW-1	3/31/2008	<50	NA	<0.50	<1.0	<1.0	<1.0	NA	<1.0	NA	NA	NA	<10	86.64	12.26	74.38	NA
MW-1	6/16/2008	<50	NA	<0.50	<1.0	<1.0	<1.0	NA	<1.0	NA	NA	NA	<10	86.64	12.51	74.13	NA
MW-1	9/25/2008	<50	NA	<0.50	<1.0	<1.0	<1.0	NA	<1.0	<2.0	<2.0	<2.0	<10	86.64	12.95	73.69	NA
MW-1	12/29/2009	<50	NA	<0.50	<1.0	<1.0	<1.0	NA	<1.0	NA	NA	NA	<10	86.64	13.02	73.62	NA
MW-1	2/26/2009	<50	NA	<0.50	<1.0	<1.0	<1.0	NA	<1.0	NA	NA	NA	<10	86.64	12.28	74.36	NA
MW-1	**5/27/2009**	**<50**	**NA**	**<0.50**	**<1.0**	**<1.0**	**<1.0**	**NA**	**<1.0**	**NA**	**NA**	**NA**	**<10**	**86.64**	**12.90**	**73.74**	**NA**
MW-2	6/23/1999	710	201 a	0.98	0.86	0.58	9.2	13	<2.0	NA	NA	NA	NA	86.50	9.68	76.82	NA
MW-2	9/14/1999	1,700	660	<0.5	23	10	6	<3	NA	NA	NA	NA	NA	86.50	9.62	76.88	NA
MW-2	12/23/1999	632	290	<0.5	<0.5	3.0	<1	<3	NA	NA	NA	NA	NA	86.50	9.60	76.90	NA
MW-2	3/2/2000	320	160	<0.5	1.1	1.0	<1	<3	NA	NA	NA	NA	NA	86.50	8.23	78.27	NA
MW-2	6/12/2000	190	88	<0.5	<0.5	<0.5	<1	<3	NA	NA	NA	NA	NA	86.50	9.10	77.40	NA
MW-2	9/14/2000	160	55	<0.5	1.1	<0.5	<1.0	<5	NA	NA	NA	NA	NA	86.50	9.54	76.96	NA
MW-2	12/11/2000	180	<50	<0.5	3.0	<0.5	<1.0	<5	NA	NA	NA	NA	NA	86.50	9.92	76.58	NA
MW-2	3/16/2001	63	<50	<0.5	1.7	<0.5	<1.0	<5	NA	NA	NA	NA	NA	86.50	9.66	76.84	NA
MW-2	6/11/2001	140	<50	<0.5	2.8	<0.5	<1.5	<5	NA	NA	NA	NA	NA	86.50	9.63	76.87	NA
MW-2	9/18/2001	120	240	<0.50	<0.50	<0.50	<0.50	NA	<5.0	NA	NA	NA	NA	86.50	10.23	76.27	NA
MW-2	11/26/2001	<50	<50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	NA	NA	NA	NA	86.50	10.59	75.91	NA
MW-2A	1/31/2002	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	12.72	NA	NA
MW-2A	2/4/2002	29,000	<2,300	61	29	1,700	3,600	NA	740	NA	NA	NA	NA	NA	11.47	NA	NA
MW-2A	3/21/2002	22,000	<800	31	<10	1,500	990	NA	6,000	NA	NA	NA	NA	NA	11.53	NA	NA

TABLE 1
WELL CONCENTRATIONS
Shell-branded Service Station
1705 Berryessa Road
San Jose, CA

Well ID	Date	TPPH (ug/L)	TEPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	DO Reading (ppm)
MW-2A	6/24/2002	14,000	<600	24	<10	1,300	440	NA	4,700	NA	NA	NA	NA	86.55	11.69	74.86	NA
MW-2A	9/20/2002	16,000	<1,700	63	<5.0	990	1,700	NA	1,500	NA	NA	NA	NA	86.55	13.63	72.92	NA
MW-2A	12/23/2002	22,000	<8,000	88	<10	1,700	2,100	NA	150	NA	NA	NA	NA	86.55	11.91	74.64	NA
MW-2A	3/24/2003	26,000	5,700	150	<50	2,100	2,500	NA	9,100	NA	NA	NA	NA	86.55	13.86	72.69	NA
MW-2A	6/13/2003	15,000	3,800 a	100	<50	2,000	1,400	NA	350	NA	NA	NA	NA	86.55	11.60	74.95	NA
MW-2A	9/10/2003	11,000	2,900 a	72	<10	1,600	910	NA	100	NA	NA	NA	NA	86.55	12.05	74.50	NA
MW-2A	11/26/2003	18,000	1,600 a	37	<10	1,200	1,200	NA	31	NA	NA	NA	NA	86.55	10.58	75.97	NA
MW-2A	3/16/2004	12,000	1,900 a	55	<10	1,600	890	NA	270	NA	NA	NA	NA	86.55	10.59	75.96	NA
MW-2A	5/19/2004	14,000	3,500 a	24	<10	1,000	1,500	NA	<10	NA	NA	NA	NA	86.55	10.48	76.07	NA
MW-2A	9/9/2004	21,000	NA	27	<10	1,500	2,000	NA	69	NA	NA	NA	<100	86.55	10.61	75.94	NA
MW-2A	12/9/2004	15,000	NA	23	<10	1,400	530	NA	14	NA	NA	NA	<100	86.55	10.74	75.81	NA
MW-2A	3/9/2005	17,000	NA	12	<10	730	1,600	NA	<10	NA	NA	NA	<100	86.55	10.45	76.10	NA
MW-2A	6/15/2005	7,300	NA	9.0	<2.5	480	68	NA	5.8	NA	NA	NA	<25	86.55	10.52	76.03	NA
MW-2A	9/20/2005	9,500	NA	5.8	<5.0	520	600	NA	<5.0	<20	<20	<20	<50	86.55	10.65	75.90	NA
MW-2A	12/30/2005	11,000 e	NA	4.6	<2.5	440	770	NA	<2.5	NA	NA	NA	<100	86.55	10.57	75.98	NA
MW-2A	3/16/2006	21,500	NA	4.47	<0.500	733	1,340	NA	<0.500	NA	NA	NA	<10.0	86.55	10.54	76.01	NA
MW-2A	6/19/2006	7,630	NA	1.50	<0.500	196	267	NA	1.75	NA	NA	NA	<10.0	86.55	10.75	75.80	NA
MW-2A	9/22/2006	1,100	NA	<0.50	<0.50	43	3.5	NA	<1.0	<1.0	<1.0	<1.0	<10	86.55	11.65	74.90	NA
MW-2A	12/13/2006	750	NA	<0.50	<0.50	17	2.3	NA	0.60	NA	NA	NA	<5.0	86.55	11.67	74.88	NA
MW-2A	3/28/2007	390 f	NA	<0.50	<1.0	2.2	<1.0	NA	0.54 g	NA	NA	NA	<10	86.55	11.62	74.93	NA
MW-2A	6/28/2007	6,600 h	NA	1.1	<1.0	280	379.5	NA	<1.0	NA	NA	NA	<10	86.55	12.22	74.33	NA
MW-2A	9/20/2007	6,900 f,h	NA	1.4	<1.0	160	336.0	NA	<1.0	<2.0	<2.0	<2.0	<10	86.55	12.21	74.34	NA
MW-2A	12/7/2007	820 h	NA	0.39 g	0.41 g	71	13.1	NA	0.72 g	NA	NA	NA	<10	86.55	12.18	74.37	NA
MW-2A	3/31/2008	1,200	NA	<0.50	<1.0	40	22	NA	<1.0	NA	NA	NA	<10	86.55	12.16	74.39	NA
MW-2A	6/16/2008	860	NA	<0.50	<1.0	18	2.1	NA	<1.0	NA	NA	NA	<10	86.55	12.49	74.06	NA
MW-2A	9/25/2008	360	NA	<0.50	<1.0	<1.0	<1.0	NA	<1.0	<2.0	<2.0	<2.0	<10	86.55	12.93	73.62	NA
MW-2A	12/29/2008	2,800	NA	1.1	<1.0	92	120	NA	<1.0	NA	NA	NA	<10	86.55	13.04	73.51	NA
MW-2A	2/26/2009	1,400	NA	<0.50	<1.0	49	14	NA	<1.0	NA	NA	NA	<10	86.55	12.21	74.34	NA
MW-2A	**5/27/2009**	**570**	**NA**	**<0.50**	**<1.0**	**<1.0**	**<1.0**	**NA**	**<1.0**	**NA**	**NA**	**NA**	**<10**	**86.55**	**9.25**	**77.30**	**NA**

TABLE 1
WELL CONCENTRATIONS
Shell-branded Service Station
1705 Berryessa Road
San Jose, CA

Well ID	Date	TPPH (ug/L)	TEPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	DO Reading (ppm)
MW-2B	1/31/2002	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	11.10	NA	NA
MW-2B	2/4/2002	<500	1,300	<5.0	<5.0	<5.0	5.1	NA	1,700	NA	NA	NA	NA	NA	10.76	NA	NA
MW-2B	3/21/2002	<50	<300	<0.50	<0.50	<0.50	0.67	NA	200	NA	NA	NA	NA	NA	10.80	NA	NA
MW-2B	6/24/2002	91	<50	<0.50	<0.50	<0.50	<0.50	NA	19	NA	NA	NA	NA	86.58	10.86	75.72	NA
MW-2B	9/20/2002	<50	<50	<0.50	<0.50	<0.50	<0.50	NA	35	NA	NA	NA	NA	86.58	11.12	75.46	NA
MW-2B	12/23/2002	<50	<50	<0.50	<0.50	<0.50	<0.50	NA	<5.0	NA	NA	NA	NA	86.58	10.55	76.03	NA
MW-2B	3/24/2003	<50	69	<0.50	<0.50	<0.50	<1.0	NA	<5.0	NA	NA	NA	NA	86.58	10.75	75.83	NA
MW-2B	6/13/2003	<50	<50	<0.50	<0.50	0.88	1.9	NA	1.3	NA	NA	NA	NA	86.58	10.04	76.54	NA
MW-2B	9/10/2003	<50	<50	<0.50	<0.50	<0.50	<1.0	NA	8.7	NA	NA	NA	NA	86.58	9.40	77.18	NA
MW-2B	11/26/2003	<50	<50	<0.50	<0.50	<0.50	<1.0	NA	<0.50	NA	NA	NA	NA	86.58	8.34	78.24	NA
MW-2B	3/16/2004	<50	90 a	<0.50	<0.50	<0.50	1.1	NA	0.78	NA	NA	NA	NA	86.58	7.47	79.11	NA
MW-2B	5/19/2004	<50	<50	<0.50	<0.50	<0.50	<1.0	NA	1.4	NA	NA	NA	NA	86.58	7.69	78.89	NA
MW-2B	9/9/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	86.58	8.09	78.49	NA
MW-2B	12/9/2004	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	<0.50	NA	NA	NA	<5.0	86.58	8.37	78.21	NA
MW-2B	3/9/2005	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	86.58	7.15	79.43	NA
MW-2B	6/15/2005	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	<0.50	NA	NA	NA	<5.0	86.58	7.18	79.40	NA
MW-2B	9/20/2005	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	86.58	7.62	78.96	NA
MW-2B	12/30/2005	<50	NA	<0.50	<0.50	<0.50	1.1	NA	<0.50	NA	NA	NA	<20	86.58	7.25	79.33	NA
MW-2B	3/16/2006	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	86.58	6.65	79.93	NA
MW-2B	6/19/2006	<50.0	NA	<0.500	<0.500	<0.500	<0.500	NA	<0.500	NA	NA	NA	<10.0	86.58	6.77	79.81	NA
MW-2B	9/22/2006	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	86.58	7.31	79.27	NA
MW-2B	12/13/2006	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	<0.50	NA	NA	NA	<5.0	86.58	7.58	79.00	NA
MW-2B	3/28/2007	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	86.58	7.42	79.16	NA
MW-2B	6/28/2007	<50 h	NA	<0.50	<1.0	<1.0	<1.0	NA	<1.0	NA	NA	NA	<10	86.58	7.96	78.62	NA
MW-2B	9/20/2007	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	86.58	8.09	78.49	NA
MW-2B	12/7/2007	<50 h	NA	<0.50	0.48 g	0.37 g	0.24 g	NA	<1.0	NA	NA	NA	<10	86.58	8.46	78.12	NA
MW-2B	3/31/2008	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	86.58	8.34	78.24	NA
MW-2B	6/16/2008	<50	NA	<0.50	<1.0	<1.0	<1.0	NA	<1.0	NA	NA	NA	<10	86.58	8.70	77.88	NA

TABLE 1
WELL CONCENTRATIONS
Shell-branded Service Station
1705 Berryessa Road
San Jose, CA

Well ID	Date	TPPH (ug/L)	TEPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	DO Reading (ppm)
MW-2B	9/25/2008	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	86.58	9.33	77.25	NA
MW-2B	12/29/2008	<50	NA	<0.50	<1.0	<1.0	<1.0	NA	<1.0	NA	NA	NA	<10	86.58	9.88	76.70	NA
MW-2B	2/26/2009	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	86.58	9.08	77.50	NA
MW-2B	**5/27/2009**	**<50**	**NA**	**<0.50**	**<1.0**	**<1.0**	**<1.0**	**NA**	**<1.0**	**NA**	**NA**	**NA**	**<10**	**86.58**	**12.81**	**73.77**	**NA**
MW-3	6/23/1999	<50	<50.0	<0.50	<0.50	<0.50	<0.50	15	15	NA	NA	NA	NA	87.46	13.73	73.73	NA
MW-3	9/14/1999	<50	<50	<0.5	1.4	<0.5	3.0	10	NA	NA	NA	NA	NA	87.46	13.85	73.61	NA
MW-3	12/23/1999	<50	<50	2.3	<0.5	<0.5	<1	180	200	NA	NA	NA	NA	87.46	13.80	73.66	NA
MW-3	3/2/2000	<50	<50	2.0	0.6	<0.5	15	2,500	2,500 b	NA	NA	NA	NA	87.46	13.45	74.01	NA
MW-3	6/12/2000	50	<50	7.7	0.7	<0.5	1.5	3,800	3,200	NA	NA	NA	NA	87.46	13.47	73.99	NA
MW-3	9/14/2000	310	c	54	1.6	<0.5	8.0	15,000	14,000	NA	NA	NA	NA	87.46	13.70	73.76	NA
MW-3	12/11/2000	<500	<50	<5	<5	<5	<10	13,000	11,000	NA	NA	NA	NA	87.46	13.89	73.57	NA
MW-3	3/16/2001	8,800	<50	25	1.1	<0.5	2.7	24,000	26,000	NA	NA	NA	NA	87.46	13.19	74.27	NA
MW-3	6/11/2001	15,000	<50	9.0	<5	<5	<15	18,000	16,000	NA	NA	NA	NA	87.46	14.01	73.45	NA
MW-3	9/18/2001	<5,000	<50	<50	<50	<50	<50	NA	33,000	NA	NA	NA	NA	87.46	13.89	73.57	NA
MW-3	11/26/2001	<5,000	<50	<50	<50	<50	<50	NA	18,000	NA	NA	NA	NA	87.46	14.08	73.38	NA
MW-3	3/21/2002	<5,000	<50	<50	<50	<50	72	NA	19,000	NA	NA	NA	NA	87.46	14.21	73.25	NA
MW-3	6/24/2002	<5,000	<50	<50	<50	<50	<50	NA	18,000	NA	NA	NA	NA	87.46	14.37	73.09	NA
MW-3	9/20/2002	<10,000	<50	<100	<100	<100	<100	NA	39,000	NA	NA	NA	NA	87.46	15.02	72.44	NA
MW-3	12/23/2002	<50	58	<0.50	<0.50	<0.50	<0.50	NA	260	NA	NA	NA	NA	87.46	13.99	73.47	NA
MW-3	3/24/2003	58,000	<50	<500	<500	<500	<1,000	NA	82,000	NA	NA	NA	NA	87.46	14.62	72.84	NA
MW-3	6/13/2003	170,000 a	<50	<500	<500	<500	<1,000	NA	73,000	NA	NA	NA	NA	87.46	13.86	73.60	NA
MW-3	9/10/2003	<50,000	<50	<500	<500	<500	<1,000	NA	81,000	NA	NA	NA	NA	87.46	13.80	73.66	NA
MW-3	11/26/2003	<50,000	<50	<500	<500	<500	<1,000	NA	31,000	NA	NA	NA	NA	87.46	12.98	74.48	NA
MW-3	3/16/2004	<2000	<50	<20	<20	<20	<40	NA	2,600	NA	NA	NA	NA	87.46	12.57	74.89	NA
MW-3	5/19/2004	<250	<50	<2.5	<2.5	<2.5	<5.0	NA	450	NA	NA	NA	NA	87.46	12.68	74.78	NA
MW-3	9/9/2004	<100	NA	<2.5	<2.5	<2.5	<5.0	NA	370	NA	NA	NA	770	87.46	12.96	74.50	NA
MW-3	12/9/2004	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	27	NA	NA	NA	260	87.46	12.98	74.48	NA
MW-3	3/9/2005	<250	NA	<2.5	<2.5	<2.5	<5.0	NA	530	NA	NA	NA	960	87.46	11.85	75.61	NA

TABLE 1
WELL CONCENTRATIONS
Shell-branded Service Station
1705 Berryessa Road
San Jose, CA

Well ID	Date	TPPH (ug/L)	TEPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	DO Reading (ppm)
MW-3	6/15/2005	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	140	NA	NA	NA	58	87.46	12.04	75.42	NA
MW-3	9/20/2005	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	110	<2.0	<2.0	<2.0	<5.0	87.46	12.37	75.09	NA
MW-3	12/30/2005	250	NA	<2.5	<2.5	7.6	14	NA	130	NA	NA	NA	<100	87.46	11.88	75.58	NA
MW-3	3/16/2006	<50.0	NA	<0.500	<0.500	<0.500	<0.500	NA	61.6	NA	NA	NA	<10.0	87.46	11.36	76.10	NA
MW-3	6/19/2006	<50.0	NA	<0.500	<0.500	<0.500	<0.500	NA	8.77	NA	NA	NA	<10.0	87.46	11.61	75.85	NA
MW-3	9/22/2006	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	16	<1.0	<1.0	<1.0	<10	87.46	12.15	75.31	NA
MW-3	12/13/2006	56	NA	<0.50	<0.50	<0.50	<1.0	NA	22	NA	NA	NA	<5.0	87.46	12.29	75.17	NA
MW-3	3/28/2007	54 f	NA	<0.50	<1.0	<1.0	<1.0	NA	85	NA	NA	NA	<10	87.46	12.17	75.29	NA
MW-3	6/28/2007	<50 h	NA	<0.50	<1.0	<1.0	<1.0	NA	4.6	NA	NA	NA	<10	87.46	12.72	74.74	NA
MW-3	9/20/2007	<50 h	NA	<0.50	<1.0	<1.0	<1.0	NA	8.9	<2.0	<2.0	<2.0	<10	87.46	12.92	74.54	NA
MW-3	12/7/2007	<50 h	NA	<0.50	0.28 g	<1.0	<1.0	NA	13	NA	NA	NA	<10	87.46	12.88	74.58	NA
MW-3	3/31/2008	120	NA	<0.50	<1.0	<1.0	<1.0	NA	120	NA	NA	NA	<10	87.46	12.78	74.68	NA
MW-3	6/16/2008	<50	NA	<0.50	<1.0	<1.0	<1.0	NA	3.4	NA	NA	NA	<10	87.46	13.14	74.32	NA
MW-3	9/25/2008	150	NA	<0.50	<1.0	<1.0	1.7	NA	130	<2.0	<2.0	<2.0	<10	87.46	13.54	73.92	NA
MW-3	12/29/2008	<50	NA	<0.50	<1.0	<1.0	<1.0	NA	14	NA	NA	NA	<10	87.46	13.70	73.76	NA
MW-3	2/26/2009	<50	NA	<0.50	<1.0	<1.0	<1.0	NA	5.1	NA	NA	NA	<10	87.46	13.29	74.17	NA
MW-3	**5/27/2009**	**74**	**NA**	**<0.50**	**<1.0**	**<1.0**	**<1.0**	**NA**	**51**	**NA**	**NA**	**NA**	**<10**	**87.46**	**13.55**	**73.91**	**NA**
MW-4	9/14/2000	<50	<50	<0.5	<0.5	<0.5	<1.0	<5	NA	NA	NA	NA	NA	87.97	13.93	74.04	NA
MW-4	12/11/2000	62	<50	0.7	<0.5	<0.5	<1.0	7	2	NA	NA	NA	NA	87.97	14.12	73.85	NA
MW-4	3/16/2001	320	<50	1.2	1.1	<0.5	<1.0	16	<2	NA	NA	NA	NA	87.97	13.33	74.64	NA
MW-4	6/11/2001	120	<50	1.1	<0.5	<0.5	<1.5	<5.0	NA	NA	NA	NA	NA	87.97	13.83	74.14	NA
MW-4	9/18/2001	<50	<50	<0.50	<0.50	<0.50	<0.50	NA	<5.0	NA	NA	NA	NA	87.97	14.04	73.93	NA
MW-4	11/26/2001	<50	<50	<0.50	<0.50	<0.50	<0.50	NA	1.1	NA	NA	NA	NA	87.97	14.35	73.62	NA
MW-4	3/21/2002	<50	<50	<0.50	<0.50	<0.50	<0.50	NA	<5.0	NA	NA	NA	NA	87.97	14.48	73.49	NA
MW-4	6/24/2002	<50	<50	<0.50	<0.50	<0.50	<0.50	NA	<5.0	NA	NA	NA	NA	87.97	14.67	73.30	NA
MW-4	9/20/2002	<50	<50	<0.50	<0.50	<0.50	<0.50	NA	<5.0	NA	NA	NA	NA	87.97	14.89	73.08	NA
MW-4	12/23/2002	<50	<50	<0.50	<0.50	<0.50	<0.50	NA	<5.0	NA	NA	NA	NA	87.97	14.35	73.62	NA
MW-4	3/24/2003	<50	<50	<0.50	<0.50	<0.50	<1.0	NA	<5.0	NA	NA	NA	NA	87.97	14.68	73.29	NA

TABLE 1
WELL CONCENTRATIONS
Shell-branded Service Station
1705 Berryessa Road
San Jose, CA

Well ID	Date	TPPH (ug/L)	TEPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	DO Reading (ppm)
MW-4	6/13/2003	<50	<50	<0.50	<0.50	<0.50	<1.0	NA	<0.50	NA	NA	NA	NA	87.97	14.05	73.92	NA
MW-4	9/10/2003	<50	<50	0.88	1.8	0.58	3.0	NA	<0.50	NA	NA	NA	NA	87.97	13.58	74.39	NA
MW-4	11/26/2003	<50	<50	<0.50	<0.50	<0.50	<1.0	NA	<0.50	NA	NA	NA	NA	87.97	12.90	75.07	NA
MW-4	3/16/2004	<50	<50	<0.50	<0.50	<0.50	<1.0	NA	<0.50	NA	NA	NA	NA	87.97	12.22	75.75	NA
MW-4	5/19/2004	<50	<50	<0.50	<0.50	<0.50	<1.0	NA	<0.50	NA	NA	NA	NA	87.97	12.44	75.53	NA
MW-4	9/9/2004	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	<0.50	NA	NA	NA	<5.0	87.97	12.74	75.23	NA
MW-4	12/9/2004	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	<0.50	NA	NA	NA	<5.0	87.97	12.98	74.99	NA
MW-4	3/9/2005	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	<0.50	NA	NA	NA	<5.0	87.97	11.73	76.24	NA
MW-4	6/15/2005	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	<0.50	NA	NA	NA	<5.0	87.97	12.00	75.97	NA
MW-4	9/20/2005	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	<0.50	<2.0	<2.0	<2.0	<5.0	87.97	12.44	75.53	NA
MW-4	12/30/2005	<50	NA	<0.50	<0.50	<0.50	<0.50	NA	<0.50	NA	NA	NA	<20	87.97	11.97	76.00	NA
MW-4	3/16/2006	<50.0	NA	<0.500	<0.500	<0.500	<0.500	NA	<0.500	NA	NA	NA	<10.0	87.97	11.43	76.54	NA
MW-4	6/19/2006	<50.0	NA	<0.500	<0.500	<0.500	<0.500	NA	<0.500	NA	NA	NA	<10.0	87.97	11.96	76.01	NA
MW-4	9/22/2006	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	<1.0	<1.0	<1.0	<1.0	<10	87.97	12.34	75.63	NA
MW-4	12/13/2006	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	<0.50	NA	NA	NA	<5.0	87.97	12.45	75.52	NA
MW-4	3/28/2007	<50	NA	<0.50	<1.0	<1.0	<1.0	NA	<1.0	NA	NA	NA	<10	87.97	12.28	75.69	NA
MW-4	6/28/2007	<50 h	NA	<0.50	<1.0	<1.0	<1.0	NA	<1.0	NA	NA	NA	<10	87.97	12.91	75.06	NA
MW-4	9/20/2007	<50 h	NA	<0.50	<1.0	<1.0	<1.0	NA	<1.0	<2.0	<2.0	<2.0	<10	87.97	13.19	74.78	NA
MW-4	12/7/2007	<50 h	NA	<0.50	0.29 g	<1.0	<1.0	NA	<1.0	NA	NA	NA	<10	87.97	13.14	74.83	NA
MW-4	3/31/2008	<50	NA	<0.50	<1.0	<1.0	<1.0	NA	<1.0	NA	NA	NA	<10	87.97	12.97	75.00	NA
MW-4	6/16/2008	<50	NA	<0.50	<1.0	<1.0	<1.0	NA	<1.0	NA	NA	NA	<10	87.97	13.40	74.57	NA
MW-4	9/25/2008	<50	NA	<0.50	<1.0	<1.0	<1.0	NA	<1.0	<2.0	<2.0	<2.0	<10	87.97	13.97	74.00	NA
MW-4	12/29/2008	<50	NA	<0.50	<1.0	<1.0	<1.0	NA	<1.0	NA	NA	NA	<10	87.97	14.05	73.92	NA
MW-4	2/26/2009	<50	NA	<0.50	<1.0	<1.0	<1.0	NA	<1.0	NA	NA	NA	<10	87.97	13.19	74.78	NA
MW-4	**5/27/2009**	**<50**	**NA**	**<0.50**	**<1.0**	**<1.0**	**<1.0**	**NA**	**<1.0**	**NA**	**NA**	**NA**	**<10**	**87.97**	**13.90**	**74.07**	**NA**
MW-5	9/14/2000	<50	<50	1.2	<0.5	<0.5	<1.0	310	390	NA	NA	NA	NA	87.14	13.17	73.97	NA
MW-5	12/11/2000	<50	<50	2.4	<0.5	<0.5	<1.0	340	520	NA	NA	NA	NA	87.14	13.41	73.73	NA
MW-5	3/16/2001	2,300	<50	5.6	1.0	<0.5	1.6	3,900	4,100	NA	NA	NA	NA	87.14	12.91	74.23	NA

TABLE 1
WELL CONCENTRATIONS
Shell-branded Service Station
1705 Berryessa Road
San Jose, CA

Well ID	Date	TPPH (ug/L)	TEPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	DO Reading (ppm)
MW-5	6/11/2001	2,800	<50	4.3	10	2.0	22	3,600	3,700	NA	NA	NA	NA	87.14	13.72	73.42	NA
MW-5	9/18/2001	<1,000	<50	<10	10	<10	22	NA	4,600	NA	NA	NA	NA	87.14	13.57	73.57	NA
MW-5	11/26/2001	<500	<50	<5.0	<5.0	<5.0	<5.0	NA	2,900	NA	NA	NA	NA	87.14	13.80	73.34	NA
MW-5	3/21/2002	<250	<50	<2.5	<2.5	<2.5	<2.5	NA	1,700	NA	NA	NA	NA	87.14	13.95	73.19	NA
MW-5	6/24/2002	<200	<50	<2.0	<2.0	<2.0	<2.0	NA	540	NA	NA	NA	NA	87.14	14.11	73.03	NA
MW-5	9/20/2002	<5,000	<50	<50	<50	<50	<50	NA	14,000	NA	NA	NA	NA	87.14	15.31	71.83	NA
MW-5	12/23/2002	<1,000	<50	<10	<10	<10	<10	NA	5,500	NA	NA	NA	NA	87.14	13.52	73.62	NA
MW-5	3/24/2003	28,000	<50	<250	<250	<250	<500	NA	42,000	NA	NA	NA	NA	87.14	14.60	72.54	NA
MW-5	6/13/2003	<5,000	<50	<50	<50	<50	<100	NA	5,700	NA	NA	NA	NA	87.14	13.52	73.62	NA
MW-5	9/10/2003	<5,000	<50	<50	<50	<50	<100	NA	11,000	NA	NA	NA	NA	87.14	14.03	73.11	NA
MW-5	11/26/2003	<20,000	<50	<200	<200	<200	<400	NA	17,000	NA	NA	NA	NA	87.14	12.65	74.49	NA
MW-5	3/16/2004	<5,000	<50	<50	<50	<50	<100	NA	4,100	NA	NA	NA	NA	87.14	12.40	74.74	NA
MW-5	5/19/2004	<1,000	<50	<10	<10	<10	<20	NA	1,900	NA	NA	NA	NA	87.14	12.50	74.64	NA
MW-5	9/9/2004	<1,000	NA	<10	<10	<10	<20	NA	1,800	NA	NA	NA	910	87.14	12.82	74.32	NA
MW-5	12/9/2004	<500	NA	<5.0	<5.0	<5.0	<10	NA	770	NA	NA	NA	1,000	87.14	12.91	74.23	NA
MW-5	3/9/2005	<1,000	NA	<10	<10	<10	<20	NA	1,000	NA	NA	NA	5,700	87.14	11.72	75.42	NA
MW-5	6/15/2005	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	26	NA	NA	NA	44	87.14	12.08	75.06	NA
MW-5	9/20/2005	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	82	<2.0	<2.0	<2.0	12	87.14	12.23	74.91	NA
MW-5	12/30/2005	<50	NA	<0.50	<0.50	<0.50	<0.50	NA	170	NA	NA	NA	310	87.14	11.71	75.43	NA
MW-5	3/16/2006	<50.0	NA	<0.500	<0.500	<0.500	<0.500	NA	19.9	NA	NA	NA	<10.0	87.14	11.19	75.95	NA
MW-5	6/19/2006	<50.0	NA	<0.500	<0.500	<0.500	<0.500	NA	11.4	NA	NA	NA	<10.0	87.14	11.62	75.52	NA
MW-5	9/22/2006	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	12	<1.0	<1.0	<1.0	<10	87.14	12.03	75.11	NA
MW-5	12/13/2006	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	5.0	NA	NA	NA	<5.0	87.14	12.10	75.04	NA
MW-5	3/28/2007	<50	NA	<0.50	<1.0	<1.0	<1.0	NA	0.93 g	NA	NA	NA	<10	87.14	11.94	75.20	NA
MW-5	6/28/2007	<50 h	NA	<0.50	<1.0	<1.0	<1.0	NA	1.1	NA	NA	NA	<10	87.14	12.56	74.58	NA
MW-5	9/20/2007	<50 h	NA	<0.50	<1.0	<1.0	<1.0	NA	0.54 g	<2.0	<2.0	<2.0	<10	87.14	12.65	74.49	NA
MW-5	12/7/2007	<50 h	NA	<0.50	<1.0	<1.0	<1.0	NA	0.40 g	NA	NA	NA	<10	87.14	12.68	74.46	NA
MW-5	3/31/2008	<50	NA	<0.50	<1.0	<1.0	<1.0	NA	<1.0	NA	NA	NA	<10	87.14	12.55	74.59	NA
MW-5	6/16/2008	<50	NA	<0.50	<1.0	<1.0	<1.0	NA	<1.0	NA	NA	NA	<10	87.14	12.90	74.24	NA

TABLE 1
WELL CONCENTRATIONS
Shell-branded Service Station
1705 Berryessa Road
San Jose, CA

Well ID	Date	TPPH (ug/L)	TEPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	DO Reading (ppm)
MW-5	9/25/2008	<50	NA	<0.50	<1.0	<1.0	<1.0	NA	<1.0	<2.0	<2.0	<2.0	<10	87.14	13.42	73.72	NA
MW-5	12/29/2008	<50	NA	<0.50	<1.0	<1.0	<1.0	NA	<1.0	NA	NA	NA	<10	87.14	13.50	73.64	NA
MW-5	2/26/2009	<50	NA	<0.50	<1.0	<1.0	<1.0	NA	<1.0	NA	NA	NA	<10	87.14	12.78	74.36	NA
MW-5	**5/27/2009**	**<50**	**NA**	**<0.50**	**<1.0**	**<1.0**	**<1.0**	**NA**	**<1.0**	**NA**	**NA**	**NA**	**<10**	**87.14**	**13.41**	**73.73**	**NA**
MW-6	9/14/2000	<50	<50	<0.5	<0.5	<0.5	<1.0	7,900	8,600	NA	NA	NA	NA	87.03	13.81	73.22	NA
MW-6	12/11/2000	240	<50	<0.5	1.6	<0.5	<1.0	2,800	2,400	NA	NA	NA	NA	87.03	13.90	73.13	NA
MW-6	3/16/2001	33,000	<50	16	2.0	<0.5	<1.0	42,000	48,000	NA	NA	NA	NA	87.03	13.36	73.67	NA
MW-6	6/11/2001	3,700	<50	3.2	3.3	<0.5	<1.5	4,300	4,700	NA	NA	NA	NA	87.03	14.08	72.95	NA
MW-6	9/18/2001	<250	<50	<2.5	<2.5	<2.5	<5.0	NA	1,800	NA	NA	NA	NA	87.03	13.64	73.39	NA
MW-6	11/26/2001	<200	150	<2.0	<2.0	<2.0	<2.0	NA	570	NA	NA	NA	NA	87.03	13.78	73.25	NA
MW-6	3/21/2002	<100	<50	<1.0	<1.0	<1.0	<1.0	NA	350	NA	NA	NA	NA	87.03	13.91	73.12	NA
MW-6	6/24/2002	<50	<50	<0.50	<0.50	<0.50	<0.50	NA	260	NA	NA	NA	NA	87.03	14.05	72.98	NA
MW-6	9/20/2002	<50	<50	<0.50	<0.50	<0.50	<0.50	NA	1,700	NA	NA	NA	NA	87.03	15.04	71.99	NA
MW-6	12/23/2002	<500	<50	<5.0	<5.0	<5.0	<5.0	NA	2,200	NA	NA	NA	NA	87.03	13.96	73.07	NA
MW-6	3/24/2003	<5,000	<50	<50	<50	<50	<100	NA	6,200	NA	NA	NA	NA	87.03	15.60	71.43	NA
MW-6	6/13/2003	<1,000	<50	<10	<10	<10	<20	NA	1,700	NA	NA	NA	NA	87.03	13.98	73.05	NA
MW-6	9/10/2003	<5,000	<50	<50	<50	<50	<100	NA	7,100	NA	NA	NA	NA	87.03	14.78	72.25	NA
MW-6	11/26/2003	2,100	<50	<10	<10	<10	<20	NA	970	NA	NA	NA	NA	87.03	13.44	73.59	NA
MW-6	3/16/2004	<1,000	<50	<10	<10	<10	<20	NA	1,700	NA	NA	NA	NA	87.03	13.58	73.45	NA
MW-6	5/19/2004	<1,000	<50	<10	<10	<10	<20	NA	1,400	NA	NA	NA	NA	87.03	13.53	73.50	NA
MW-6	9/9/2004	<1,000	NA	<10	<10	<10	<20	NA	1,500	NA	NA	NA	230	87.03	14.00	73.03	NA
MW-6	12/9/2004	<1000	NA	<10	<10	<10	<20	NA	1,900	NA	NA	NA	110	87.03	13.95	73.08	NA
MW-6	3/9/2005	<250	NA	<2.5	<2.5	<2.5	<5.0	NA	350	NA	NA	NA	<25	87.03	12.92	74.11	NA
MW-6	6/15/2005	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	110	NA	NA	NA	38	87.03	12.51	74.52	NA
MW-6	9/20/2005	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	19	<2.0	<2.0	<2.0	7.4	87.03	12.87	74.16	NA
MW-6	12/30/2005	<50	NA	<0.50	<0.50	<0.50	<0.50	NA	22	NA	NA	NA	<20	87.03	12.36	74.67	NA
MW-6	3/16/2006	172	NA	<0.500	<0.500	<0.500	<0.500	NA	28.2	NA	NA	NA	<10.0	87.03	11.80	75.23	NA
MW-6	6/19/2006	<50.0	NA	<0.500	<0.500	<0.500	<0.500	NA	7.79	NA	NA	NA	<10.0	87.03	12.11	74.92	NA

TABLE 1
WELL CONCENTRATIONS
Shell-branded Service Station
1705 Berryessa Road
San Jose, CA

Well ID	Date	TPPH (ug/L)	TEPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	DO Reading (ppm)
MW-6	9/22/2006	160	NA	<0.50	<0.50	<0.50	<1.0	NA	15	<1.0	<1.0	<1.0	<10	87.03	12.57	74.46	NA
MW-6	12/13/2006	53	NA	<0.50	<0.50	<0.50	<1.0	NA	18	NA	NA	NA	<5.0	87.03	12.64	74.39	NA
MW-6	3/28/2007	<50	NA	<0.50	<1.0	<1.0	<1.0	NA	24	NA	NA	NA	<10	87.03	12.49	74.54	NA
MW-6	6/28/2007	<50 h	NA	<0.50	<1.0	<1.0	<1.0	NA	73	NA	NA	NA	<10	87.03	12.94	74.09	NA
MW-6	9/20/2007	<50 h	NA	<0.50	<1.0	<1.0	<1.0	NA	34	<2.0	<2.0	<2.0	<10	87.03	13.02	74.01	NA
MW-6	12/7/2007	<50 h	NA	<0.50	<1.0	<1.0	<1.0	NA	19	NA	NA	NA	<10	87.03	13.02	74.01	NA
MW-6	3/31/2008	<50	NA	<0.50	<1.0	<1.0	<1.0	NA	26	NA	NA	NA	<10	87.03	12.88	74.15	NA
MW-6	6/16/2008	<50	NA	<0.50	<1.0	<1.0	<1.0	NA	4.8	NA	NA	NA	<10	87.03	13.17	73.86	NA
MW-6	9/25/2008	78	NA	0.73	1.1	1.1	6.4	NA	43	<2.0	<2.0	<2.0	<10	87.03	13.58	73.45	NA
MW-6	12/29/2008	63	NA	<0.50	<1.0	<1.0	<1.0	NA	39	NA	NA	NA	<10	87.03	13.71	73.32	NA
MW-6	2/26/2009	<50	NA	<0.50	<1.0	<1.0	<1.0	NA	6.9	NA	NA	NA	<10	87.03	13.54	73.49	NA
MW-6	**5/27/2009**	**<50**	**NA**	**<0.50**	**<1.0**	**<1.0**	**<1.0**	**NA**	**19**	**NA**	**NA**	**NA**	**<10**	**87.03**	**13.59**	**73.44**	**NA**
MW-6D	9/14/2000	<50	68	<0.5	<0.5	<0.5	<1.0	6	6	NA	NA	NA	NA	87.28	10.11	77.17	NA
MW-6D	12/11/2000	<50	55	<0.5	0.8	<0.5	<1.0	9	7	NA	NA	NA	NA	87.28	10.42	76.86	NA
MW-6D	3/16/2001	<50	67	<0.5	0.5	<0.5	<1.0	7	6	NA	NA	NA	NA	87.28	9.78	77.50	NA
MW-6D	6/11/2001	<50	55	<0.5	1.3	<0.5	<1.5	7	5	NA	NA	NA	NA	87.28	10.31	76.97	NA
MW-6D	9/18/2001	<50	780	<0.50	3.0	<0.50	1.7	NA	<5.0	NA	NA	NA	NA	87.28	10.94	76.34	NA
MW-6D	11/26/2001	<50	50	<0.50	5.2	<0.50	<0.50	NA	3.4	NA	NA	NA	NA	87.28	11.33	75.95	NA
MW-6D	3/21/2002	<50	62	<0.50	2.1	<0.50	<0.50	NA	<5.0	NA	NA	NA	NA	87.28	13.54	73.74	NA
MW-6D	6/24/2002	<50	<50	<0.50	<0.50	<0.50	<0.50	NA	<5.0	NA	NA	NA	NA	87.28	11.50	75.78	NA
MW-6D	9/20/2002	<50	<50	<0.50	1.2	<0.50	<0.50	NA	<5.0	NA	NA	NA	NA	87.28	11.83	75.45	NA
MW-6D	12/23/2002	<50	65	<0.50	1.4	<0.50	<0.50	NA	<5.0	NA	NA	NA	NA	87.28	11.22	76.06	NA
MW-6D	3/24/2003	<50	<50	<0.50	1.7	<0.50	<1.0	NA	6.2	NA	NA	NA	NA	87.28	11.38	75.90	NA
MW-6D	6/13/2003	<50	<50	<0.50	<0.50	<0.50	<1.0	NA	3.2	NA	NA	NA	NA	87.28	10.61	76.67	NA
MW-6D	9/10/2003	<50	<50	<0.50	<0.50	<0.50	<1.0	NA	1.3	NA	NA	NA	NA	87.28	10.03	77.25	NA
MW-6D	11/26/2003	<50	63 a	<0.50	<0.50	<0.50	<1.0	NA	1.3	NA	NA	NA	NA	87.28	8.92	78.36	NA
MW-6D	3/16/2004	<50	<50	<0.50	0.58	<0.50	<1.0	NA	1.3	NA	NA	NA	NA	87.28	8.18	79.10	NA
MW-6D	5/19/2004	<50	59 a	<0.50	<0.50	<0.50	<1.0	NA	2.0	NA	NA	NA	NA	87.28	8.32	78.96	NA

TABLE 1
WELL CONCENTRATIONS
Shell-branded Service Station
1705 Berryessa Road
San Jose, CA

Well ID	Date	TPPH (ug/L)	TEPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	DO Reading (ppm)
MW-6D	9/9/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	87.28	8.71	78.57	NA
MW-6D	12/9/2004	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	1.6	NA	NA	NA	<5.0	87.28	8.87	78.41	NA
MW-6D	3/9/2005	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	87.28	7.75	79.53	NA
MW-6D	6/15/2005	<50	NA	<0.50	0.93	<0.50	<1.0	NA	0.87	NA	NA	NA	<5.0	87.28	7.79	79.49	NA
MW-6D	9/20/2005	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	87.28	8.24	79.04	NA
MW-6D	12/30/2005	<50	NA	<0.50	0.96	<0.50	<0.50	NA	1.2	NA	NA	NA	<20	87.28	7.88	79.40	NA
MW-6D	3/16/2006	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	87.28	7.32	79.96	NA
MW-6D	6/19/2006	<50.0	NA	<0.500	3.07	<0.500	<0.500	NA	<0.500	NA	NA	NA	<10	87.28	7.43	79.85	NA
MW-6D	9/22/2006	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	87.28	8.03	79.25	NA
MW-6D	12/13/2006	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	0.61	NA	NA	NA	<5.0	87.28	8.21	79.07	NA
MW-6D	3/28/2007	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	87.28	8.04	79.24	NA
MW-6D	6/28/2007	<50 h	NA	<0.50	<1.0	<1.0	<1.0	NA	0.71 g	NA	NA	NA	<10	87.28	8.51	78.77	NA
MW-6D	9/20/2007	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	87.28	8.65	78.63	NA
MW-6D	12/7/2007	<50 h	NA	0.23 g	<1.0	<1.0	<1.0	NA	0.89 g	NA	NA	NA	<10	87.28	9.08	78.20	NA
MW-6D	3/31/2008	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	87.28	8.90	78.38	NA
MW-6D	6/16/2008	<50	NA	<0.50	<1.0	<1.0	<1.0	NA	<1.0	NA	NA	NA	<10	87.28	9.34	77.94	NA
MW-6D	9/25/2008	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	87.28	9.92	77.36	NA
MW-6D	12/29/2008	<50	NA	<0.50	<1.0	<1.0	<1.0	NA	<1.0	NA	NA	NA	<10	87.28	10.52	76.76	NA
MW-6D	2/26/2009	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	87.28	9.64	77.64	NA
MW-6D	**5/27/2009**	**<50**	**NA**	**<0.50**	**<1.0**	**<1.0**	**<1.0**	**NA**	**<1.0**	**NA**	**NA**	**NA**	**<10**	**87.28**	**9.92**	**77.36**	**NA**
MW-7A	1/31/2002	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	12.04	NA	NA
MW-7A	2/4/2002	<50	<50	<0.50	<0.50	<0.50	<0.50	NA	<5.0	NA	NA	NA	NA	NA	12.21	NA	NA
MW-7A	3/21/2002	<50	<50	<0.50	<0.50	<0.50	<0.50	NA	7.8	NA	NA	NA	NA	NA	12.22	NA	NA
MW-7A	6/24/2002	<50	<100	<0.50	<0.50	<0.50	<0.50	NA	680	NA	NA	NA	NA	85.25	12.47	72.78	NA
MW-7A	9/20/2002	<50	<50	<0.50	<0.50	<0.50	<0.50	NA	6.2	NA	NA	NA	NA	85.25	13.60	71.65	NA
MW-7A	12/23/2002	<50	<50	<0.50	<0.50	<0.50	<0.50	NA	<5.0	NA	NA	NA	NA	85.25	12.65	72.60	NA
MW-7A	3/24/2003	<50	<50	<0.50	<0.50	<0.50	<1.0	NA	<5.0	NA	NA	NA	NA	85.25	13.12	72.13	NA
MW-7A	6/13/2003	<50	<50	<0.50	<0.50	<0.50	<1.0	NA	<0.50	NA	NA	NA	NA	85.25	12.87	72.38	NA

TABLE 1
WELL CONCENTRATIONS
Shell-branded Service Station
1705 Berryessa Road
San Jose, CA

Well ID	Date	TPPH (ug/L)	TEPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	DO Reading (ppm)
MW-7A	9/10/2003	<50	<50	4.2	4.7	1.0	3.3	NA	0.73	NA	NA	NA	NA	85.25	12.62	72.63	NA
MW-7A	11/26/2003	<50	<50	<0.50	<0.50	<0.50	<1.0	NA	0.89	NA	NA	NA	NA	85.25	12.08	73.17	NA
MW-7A	3/16/2004	<50	<50	<0.50	<0.50	<0.50	<1.0	NA	0.66	NA	NA	NA	NA	85.25	11.42	73.83	NA
MW-7A	5/19/2004	<50	<50	<0.50	<0.50	<0.50	<1.0	NA	<0.50	NA	NA	NA	NA	85.25	11.93	73.32	NA
MW-7A	9/9/2004	340	NA	32	79	7.9	55	NA	0.56	NA	NA	NA	<5.0	85.25	11.75	73.50	NA
MW-7A	12/9/2004	310	NA	15	0.52	0.73	5.8	NA	0.80	NA	NA	NA	<5.0	85.25	12.01	73.24	NA
MW-7A	3/9/2005	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	<0.50	NA	NA	NA	<5.0	85.25	10.95	74.30	NA
MW-7A	6/15/2005	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	<0.50	NA	NA	NA	<5.0	85.25	11.18	74.07	NA
MW-7A	9/20/2005	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	<0.50	<2.0	<2.0	<2.0	<5.0	85.25	11.44	73.81	NA
MW-7A	12/30/2005	<50	NA	<0.50	<0.50	<0.50	<0.50	NA	<0.50	NA	NA	NA	<20	85.25	10.96	74.29	NA
MW-7A	3/16/2006	<50.0	NA	<0.500	<0.500	<0.500	<0.500	NA	<0.500	NA	NA	NA	<10.0	85.25	10.37	74.88	NA
MW-7A	6/19/2006	<50.0	NA	<0.500	<0.500	<0.500	<0.500	NA	<0.500	NA	NA	NA	<10.0	85.25	10.63	74.62	NA
MW-7A	9/22/2006	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	<1.0	<1.0	<1.0	<1.0	<10	85.25	11.09	74.16	NA
MW-7A	12/13/2006	60	NA	<0.50	<0.50	<0.50	<1.0	NA	<0.50	NA	NA	NA	<5.0	85.25	11.15	74.10	NA
MW-7A	3/28/2007	<50	NA	<0.50	<1.0	<1.0	<1.0	NA	<1.0	NA	NA	NA	<10	85.25	10.97	74.28	NA
MW-7A	6/28/2007	Well inaccessible		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	85.25	NA	NA	NA
MW-7A	9/20/2007	<50 h	NA	<0.50	<1.0	<1.0	<1.0	NA	<1.0	<2.0	<2.0	<2.0	<10	85.25	11.59	73.66	NA
MW-7A	12/7/2007	<50 h	NA	<0.50	<1.0	<1.0	<1.0	NA	<1.0	NA	NA	NA	<10	85.25	11.43	73.82	NA
MW-7A	3/31/2008	<50	NA	<0.50	<1.0	<1.0	<1.0	NA	<1.0	NA	NA	NA	<10	85.25	11.32	73.93	NA
MW-7A	6/16/2008	<50	NA	<0.50	<1.0	<1.0	<1.0	NA	<1.0	NA	NA	NA	<10	85.25	11.58	73.67	NA
MW-7A	9/25/2008	<50	NA	<0.50	<1.0	<1.0	<1.0	NA	<1.0	<2.0	<2.0	<2.0	<10	85.25	11.98	73.27	NA
MW-7A	12/29/2008	<50	NA	<0.50	<1.0	<1.0	<1.0	NA	<1.0	NA	NA	NA	<10	85.25	11.99	73.26	NA
MW-7A	2/26/2009	<50	NA	<0.50	<1.0	<1.0	<1.0	NA	<1.0	NA	NA	NA	<10	85.25	11.25	74.00	NA
MW-7A	**5/27/2009**	**<50**	**NA**	**<0.50**	**<1.0**	**<1.0**	**<1.0**	**NA**	**<1.0**	**NA**	**NA**	**NA**	**<10**	**85.25**	**12.03**	**73.22**	**NA**
MW-7B	1/31/2002	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	9.26	NA	NA
MW-7B	2/4/2002	<50	<50	<0.50	0.62	<0.50	<0.50	NA	<5.0	NA	NA	NA	NA	NA	9.31	NA	NA
MW-7B	3/21/2002	<50	98	<0.50	<0.50	<0.50	<0.50	NA	<5.0	NA	NA	NA	NA	NA	9.35	NA	NA
MW-7B	6/24/2002	<50	73	<0.50	<0.50	<0.50	<0.50	NA	<5.0	NA	NA	NA	NA	85.19	9.40	75.79	NA

TABLE 1
WELL CONCENTRATIONS
Shell-branded Service Station
1705 Berryessa Road
San Jose, CA

Well ID	Date	TPPH (ug/L)	TEPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	DO Reading (ppm)
MW-7B	9/20/2002	<50	<50	<0.50	<0.50	<0.50	<0.50	NA	<5.0	NA	NA	NA	NA	85.19	9.78	75.41	NA
MW-7B	12/23/2002	<50	<50	<0.50	<0.50	<0.50	<0.50	NA	<5.0	NA	NA	NA	NA	85.19	8.91	76.28	NA
MW-7B	3/24/2003	<50	<50	<0.50	<0.50	<0.50	<1.0	NA	<5.0	NA	NA	NA	NA	85.19	9.28	75.91	NA
MW-7B	6/13/2003	<50	<50	<0.50	<0.50	<0.50	<1.0	NA	<0.50	NA	NA	NA	NA	85.19	8.51	76.68	NA
MW-7B	9/10/2003	<50	<50	1.6	1.2	<0.50	<1.0	NA	<0.50	NA	NA	NA	NA	85.19	7.91	77.28	NA
MW-7B	11/26/2003	<50	95 a	<0.50	<0.50	<0.50	<1.0	NA	<0.50	NA	NA	NA	NA	85.19	7.03	78.16	NA
MW-7B	3/16/2004	<50	<50	<0.50	<0.50	<0.50	1.4	NA	<0.50	NA	NA	NA	NA	85.19	6.19	79.00	NA
MW-7B	5/19/2004	<50	78 d	<0.50	<0.50	<0.50	<1.0	NA	<0.50	NA	NA	NA	NA	85.19	6.38	78.81	NA
MW-7B	9/9/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	85.19	6.87	78.32	NA
MW-7B	12/9/2004	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	<0.50	NA	NA	NA	<5.0	85.19	7.13	78.06	NA
MW-7B	3/9/2005	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	85.19	6.20	78.99	NA
MW-7B	6/15/2005	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	<0.50	NA	NA	NA	<5.0	85.19	5.95	79.24	NA
MW-7B	9/20/2005	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	85.19	6.40	78.79	NA
MW-7B	12/30/2005	<50	NA	<0.50	<0.50	<0.50	<0.50	NA	<0.50	NA	NA	NA	<20	85.19	5.97	79.22	NA
MW-7B	3/16/2006	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	85.19	7.36	77.83	NA
MW-7B	6/19/2006	<50.0	NA	<0.500	<0.500	<0.500	<0.500	NA	<0.500	NA	NA	NA	<10.0	85.19	5.55	79.64	NA
MW-7B	9/22/2006	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	85.19	6.15	79.04	NA
MW-7B	12/13/2006	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	<0.50	NA	NA	NA	<5.0	85.19	6.33	78.86	NA
MW-7B	3/28/2007	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	85.19	6.15	79.04	NA
MW-7B	6/28/2007	Well inaccessible		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	85.19	NA	NA	NA
MW-7B	9/20/2007	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	85.19	6.82	78.37	NA
MW-7B	12/7/2007	<50 h	NA	<0.50	0.38 g	<1.0	<1.0	NA	<1.0	NA	NA	NA	<10	85.19	7.20	77.99	NA
MW-7B	3/31/2008	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	85.19	7.04	78.15	NA
MW-7B	6/16/2008	<50	NA	<0.50	<1.0	<1.0	<1.0	NA	<1.0	NA	NA	NA	<10	85.19	7.45	77.74	NA
MW-7B	9/25/2008	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	85.19	8.00	77.19	NA
MW-7B	12/29/2008	<50	NA	<0.50	<1.0	<1.0	<1.0	NA	<1.0	NA	NA	NA	<10	85.19	8.53	76.66	NA
MW-7B	2/26/2009	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	85.19	7.61	77.58	NA
MW-7B	**5/27/2009**	**<50**	**NA**	**<0.50**	**<1.0**	**<1.0**	**<1.0**	**NA**	**<1.0**	**NA**	**NA**	**NA**	**<10**	**85.19**	**8.02**	**77.17**	**NA**

TABLE 1
WELL CONCENTRATIONS
Shell-branded Service Station
1705 Berryessa Road
San Jose, CA

Well ID	Date	TPPH (ug/L)	TEPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	DO Reading (ppm)
E-1	9/16/2002	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	18.68	NA	NA
E-1	12/23/2002	<50	130	<0.50	<0.50	<0.50	6.6	NA	190	NA	NA	NA	NA	NA	11.10	NA	NA
E-1	3/24/2003	<50	<50	<0.50	<0.50	<0.50	<1.0	NA	36	NA	NA	NA	NA	86.21	22.15	64.06	NA
E-1	6/13/2003	190 a	110 a	<0.50	<0.50	<0.50	1.7	NA	46	NA	NA	NA	NA	86.21	10.94	75.27	NA
E-1	9/10/2003	<50	<50	<0.50	<0.50	<0.50	<1.0	NA	4.4	NA	NA	NA	NA	86.21	22.20	64.01	NA
E-1	11/26/2003	<50	93 a	<0.50	0.55	<0.50	<1.0	NA	4.1	NA	NA	NA	NA	86.21	9.85	76.36	NA
E-1	3/16/2004	<50	<50	<0.50	0.55	<0.50	<1.0	NA	4.2	NA	NA	NA	NA	86.21	21.00	65.21	NA
E-1	5/19/2004	<50	<50	<0.50	<0.50	<0.50	<1.0	NA	13	NA	NA	NA	NA	86.21	27.04	59.17	NA
E-1	9/9/2004	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	1.6	NA	NA	NA	<5.0	86.21	21.54	64.67	NA
E-1	12/9/2004	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	0.97	NA	NA	NA	<5.0	86.21	22.38	63.83	NA
E-1	3/9/2005	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	27	NA	NA	NA	<5.0	86.21	21.55	64.66	NA
E-1	6/15/2005	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	1.4	NA	NA	NA	<5.0	86.21	9.65	76.56	NA
E-1	9/20/2005	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	3.4	<2.0	<2.0	<2.0	<5.0	86.21	10.18	76.03	NA
E-1	12/30/2005	<50	NA	<0.50	<0.50	<0.50	0.68	NA	2.8	NA	NA	NA	<20	86.21	9.85	76.36	NA
E-1	3/16/2006	<50.0	NA	<0.500	<0.500	<0.500	<0.500	NA	1.26	NA	NA	NA	<10.0	86.21	9.63	76.58	NA
E-1	6/19/2006	<50.0	NA	<0.500	<0.500	<0.500	<0.500	NA	<0.500	NA	NA	NA	<10.0	86.21	9.91	76.30	NA
E-1	9/22/2006	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	<1.0	<1.0	<1.0	<1.0	<10	86.21	10.12	76.09	NA
E-1	12/13/2006	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	<0.50	NA	NA	NA	<5.0	86.21	10.25	75.96	NA
E-1	3/28/2007	<50	NA	<0.50	<1.0	<1.0	<1.0	NA	0.54 g	NA	NA	NA	<10	86.21	10.27	75.94	NA
E-1	6/28/2007	<50 h	NA	<0.50	<1.0	<1.0	<1.0	NA	<1.0	NA	NA	NA	<10	86.21	10.42	75.79	NA
E-1	9/20/2007	<50 h	NA	<0.50	<1.0	<1.0	<1.0	NA	<1.0	<2.0	<2.0	<2.0	<10	86.21	10.53	75.68	NA
E-1	12/7/2007	<50 h	NA	<0.50	<1.0	<1.0	<1.0	NA	<1.0	NA	NA	NA	<10	86.21	10.62	75.59	NA
E-1	3/31/2008	<50	NA	<0.50	<1.0	<1.0	<1.0	NA	<1.0	NA	NA	NA	<10	86.21	10.62	75.59	NA
E-1	6/16/2008	<50	NA	<0.50	<1.0	<1.0	<1.0	NA	<1.0	NA	NA	NA	<10	86.21	10.87	75.34	NA
E-1	9/25/2008	<50	NA	<0.50	<1.0	<1.0	<1.0	NA	<1.0	<2.0	<2.0	<2.0	<10	86.21	10.98	75.23	NA
E-1	12/29/2008	<50	NA	<0.50	<1.0	<1.0	<1.0	NA	<1.0	NA	NA	NA	<10	86.21	11.17	75.04	NA
E-1	2/26/2009	<50	NA	<0.50	<1.0	<1.0	<1.0	NA	<1.0	NA	NA	NA	<10	86.21	10.85	75.36	NA
E-1	**5/27/2009**	**<50**	**NA**	**<0.50**	**<1.0**	**<1.0**	**<1.0**	**NA**	**<1.0**	**NA**	**NA**	**NA**	**<10**	**86.21**	**11.15**	**75.06**	**NA**

TABLE 1
WELL CONCENTRATIONS
Shell-branded Service Station
1705 Berryessa Road
San Jose, CA

Well ID	Date	TPPH (ug/L)	TEPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	DO Reading (ppm)
E-2	9/16/2002	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	21.13	NA	NA
E-2	12/23/2002	510	990	<0.50	<0.50	0.85	10	NA	63	NA	NA	NA	NA	NA	10.49	NA	NA
E-2	3/24/2003	<50	<50	<0.50	<0.50	<0.50	<1.0	NA	<5.0	NA	NA	NA	NA	85.56	22.05	63.51	NA
E-2	6/13/2003	<50	<50	<0.50	<0.50	<0.50	<1.0	NA	61	NA	NA	NA	NA	85.56	12.70	72.86	NA
E-2	9/10/2003	<50	<50	<0.50	<0.50	<0.50	<1.0	NA	64	NA	NA	NA	NA	85.56	21.80	63.76	NA
E-2	11/26/2003	<50	190 a	<0.50	<0.50	<0.50	<1.0	NA	120	NA	NA	NA	NA	85.56	11.88	73.68	NA
E-2	3/16/2004	<50	<50	<0.50	<0.50	<0.50	<1.0	NA	50	NA	NA	NA	NA	85.56	21.31	64.25	NA
E-2	5/19/2004	<50	<50	<0.50	<0.50	<0.50	<1.0	NA	4.6	NA	NA	NA	NA	85.56	21.81	63.75	NA
E-2	9/9/2004	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	20	NA	NA	NA	<5.0	85.56	21.58	63.98	NA
E-2	12/9/2004	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	<0.50	NA	NA	NA	<5.0	85.56	22.11	63.45	NA
E-2	3/9/2005	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	16	NA	NA	NA	44	85.56	21.50	64.06	NA
E-2	6/15/2005	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	<0.50	NA	NA	NA	7.3	85.56	10.60	74.96	NA
E-2	9/20/2005	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	13	<2.0	<2.0	<2.0	<5.0	85.56	11.25	74.31	NA
E-2	12/30/2005	<50	NA	<0.50	<0.50	<0.50	<0.50	NA	12	NA	NA	NA	<20	85.56	10.78	74.78	NA
E-2	3/16/2006	<50.0	NA	<0.500	<0.500	<0.500	<0.500	NA	27.1	NA	NA	NA	<10.0	85.56	10.19	75.37	NA
E-2	6/19/2006	<50.0	NA	<0.500	<0.500	<0.500	<0.500	NA	5.52	NA	NA	NA	<10.0	85.56	10.42	75.14	NA
E-2	9/22/2006	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	12	<1.0	<1.0	<1.0	<10	85.56	10.94	74.62	NA
E-2	12/13/2006	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	6.8	NA	NA	NA	<5.0	85.56	10.98	74.58	NA
E-2	3/28/2007	<50	NA	<0.50	<1.0	<1.0	<1.0	NA	<1.0	NA	NA	NA	<10	85.56	10.84	74.72	NA
E-2	6/28/2007	<50 h	NA	<0.50	<1.0	<1.0	<1.0	NA	9.8	NA	NA	NA	<10	85.56	11.39	74.17	NA
E-2	9/20/2007	<50 h	NA	<0.50	<1.0	<1.0	<1.0	NA	59	<2.0	<2.0	<2.0	<10	85.56	11.43	74.13	NA
E-2	12/7/2007	<50 h	NA	<0.50	<1.0	<1.0	<1.0	NA	8.7	NA	NA	NA	<10	85.56	11.39	74.17	NA
E-2	3/31/2008	<50	NA	<0.50	<1.0	<1.0	<1.0	NA	2.4	NA	NA	NA	<10	85.56	11.27	74.29	NA
E-2	6/16/2008	<50	NA	<0.50	<1.0	<1.0	<1.0	NA	14	NA	NA	NA	<10	85.56	11.55	74.01	NA
E-2	9/25/2008	<50	NA	<0.50	<1.0	<1.0	<1.0	NA	13	<2.0	<2.0	<2.0	<10	85.56	11.98	73.58	NA
E-2	12/29/2008	<50	NA	<0.50	<1.0	<1.0	<1.0	NA	19	NA	NA	NA	<10	85.56	12.02	73.54	NA
E-2	2/26/2009	<50	NA	<0.50	<1.0	<1.0	<1.0	NA	7.6	NA	NA	NA	<10	85.56	11.30	74.26	NA
E-2	**5/27/2009**	**<50**	**NA**	**<0.50**	**<1.0**	**<1.0**	**<1.0**	**NA**	**26**	**NA**	**NA**	**NA**	**<10**	**85.56**	**11.62**	**73.94**	**NA**

TABLE 1
WELL CONCENTRATIONS
Shell-branded Service Station
1705 Berryessa Road
San Jose, CA

Well ID	Date	TPPH (ug/L)	TEPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	DO Reading (ppm)
E-3	9/16/2002	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	15.20	NA	NA
E-3	12/23/2002	<50	73	<0.50	<0.50	<0.50	2.3	NA	<5.0	NA	NA	NA	NA	NA	12.65	NA	NA
E-3	3/24/2003	<50	<50	<0.50	<0.50	<0.50	<1.0	NA	<5.0	NA	NA	NA	NA	85.40	20.65	64.75	NA
E-3	6/13/2003	<50	<50	<0.50	<0.50	<0.50	<1.0	NA	0.52	NA	NA	NA	NA	85.40	12.84	72.56	NA
E-3	9/10/2003	<50	<50	<0.50	<0.50	<0.50	<1.0	NA	68	NA	NA	NA	NA	85.40	18.35	67.05	NA
E-3	11/26/2003	<50	110 a	<0.50	0.51	<0.50	<1.0	NA	<0.50	NA	NA	NA	NA	85.40	11.85	73.55	NA
E-3	3/16/2004	<50	<50	<0.50	<0.50	<0.50	<1.0	NA	95	NA	NA	NA	NA	85.40	12.05	73.35	NA
E-3	5/19/2004	<50	<50	<0.50	<0.50	<0.50	<1.0	NA	<0.50	NA	NA	NA	NA	85.40	11.58	73.82	NA
E-3	9/9/2004	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	<0.50	NA	NA	NA	<5.0	85.40	11.21	74.19	NA
E-3	12/9/2004	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	<0.50	NA	NA	NA	<5.0	85.40	11.84	73.56	NA
E-3	3/9/2005	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	<0.50	NA	NA	NA	<5.0	85.40	10.90	74.50	NA
E-3	6/15/2005	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	<0.50	NA	NA	NA	<5.0	85.40	11.00	74.40	NA
E-3	9/20/2005	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	0.64	<2.0	<2.0	<2.0	<5.0	85.40	11.25	74.15	NA
E-3	12/30/2005	<50	NA	<0.50	<0.50	<0.50	<0.50	NA	<0.50	NA	NA	NA	<20	85.40	10.78	74.62	NA
E-3	3/16/2006	<50.0	NA	<0.500	<0.500	<0.500	<0.500	NA	<0.500	NA	NA	NA	<10.0	85.40	10.46	74.94	NA
E-3	6/19/2006	<50.0	NA	<0.500	<0.500	<0.500	<0.500	NA	6.60	NA	NA	NA	<10.0	85.40	10.44	74.96	NA
E-3	9/22/2006	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	<1.0	<1.0	<1.0	<1.0	<10	85.40	10.91	74.49	NA
E-3	12/13/2006	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	<0.50	NA	NA	NA	<5.0	85.40	10.96	74.44	NA
E-3	3/28/2007	<50	NA	<0.50	<1.0	<1.0	<1.0	NA	<1.0	NA	NA	NA	<10	85.40	10.88	74.52	NA
E-3	6/28/2007	<50 h	NA	<0.50	<1.0	<1.0	<1.0	NA	<1.0	NA	NA	NA	<10	85.40	11.39	74.01	NA
E-3	9/20/2007	<50 h	NA	<0.50	<1.0	0.29 g	1.74 g	NA	<1.0	<2.0	<2.0	<2.0	<10	85.40	11.22	74.18	NA
E-3	12/7/2007	<50 h	NA	<0.50	<1.0	<1.0	<1.0	NA	<1.0	NA	NA	NA	<10	85.40	11.36	74.04	NA
E-3	3/31/2008	<50	NA	<0.50	<1.0	<1.0	<1.0	NA	<1.0	NA	NA	NA	<10	85.40	11.22	74.18	NA
E-3	6/16/2008	<50	NA	<0.50	<1.0	<1.0	<1.0	NA	<1.0	NA	NA	NA	<10	85.40	11.45	73.95	NA
E-3	9/25/2008	<50	NA	<0.50	<1.0	<1.0	<1.0	NA	<1.0	<2.0	<2.0	<2.0	<10	85.40	11.90	73.50	NA
E-3	12/29/2008	<50	NA	<0.50	<1.0	<1.0	<1.0	NA	<1.0	NA	NA	NA	<10	85.40	11.94	73.46	NA
E-3	2/26/2009	<50	NA	<0.50	<1.0	<1.0	<1.0	NA	<1.0	NA	NA	NA	<10	85.40	11.17	74.23	NA
E-3	**5/27/2009**	**<50**	**NA**	**<0.50**	**<1.0**	**<1.0**	**<1.0**	**NA**	**<1.0**	**NA**	**NA**	**NA**	**<10**	**85.40**	**11.36**	**74.04**	**NA**

TABLE 1
WELL CONCENTRATIONS
Shell-branded Service Station
1705 Berryessa Road
San Jose, CA

Well ID	Date	TPPH (ug/L)	TEPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	DO Reading (ppm)
E-4	9/16/2002	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	21.34	NA	NA
E-4	12/23/2002	<50	100	<0.50	<0.50	<0.50	3.4	NA	<5.0	NA	NA	NA	NA	NA	13.39	NA	NA
E-4	3/24/2003	<50	<50	<0.50	<0.50	<0.50	<1.0	NA	<5.0	NA	NA	NA	NA	86.13	22.15	63.98	NA
E-4	6/13/2003	<50	<50	<0.50	<0.50	<0.50	<1.0	NA	<0.50	NA	NA	NA	NA	86.13	13.57	72.56	NA
E-4	9/10/2003	<50	<50	<0.50	<0.50	<0.50	<1.0	NA	<0.50	NA	NA	NA	NA	86.13	22.20	63.93	NA
E-4	11/26/2003	<50	84 a	<0.50	<0.50	<0.50	<1.0	NA	<0.50	NA	NA	NA	NA	86.13	12.46	73.67	NA
E-4	3/16/2004	<50	<50	<0.50	<0.50	<0.50	<1.0	NA	<0.50	NA	NA	NA	NA	86.13	21.21	64.92	NA
E-4	5/19/2004	<50	<50	<0.50	<0.50	<0.50	<1.0	NA	<0.50	NA	NA	NA	NA	86.13	21.55	64.58	NA
E-4	9/9/2004	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	<0.50	NA	NA	NA	<5.0	86.13	22.13	64.00	NA
E-4	12/9/2004	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	<0.50	NA	NA	NA	<5.0	86.13	22.24	63.89	NA
E-4	3/9/2005	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	<0.50	NA	NA	NA	<5.0	86.13	17.00	69.13	NA
E-4	6/15/2005	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	<0.50	NA	NA	NA	<5.0	86.13	10.92	75.21	NA
E-4	9/20/2005	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	<0.50	<2.0	<2.0	<2.0	<5.0	86.13	11.87	74.26	NA
E-4	12/30/2005	<50	NA	<0.50	<0.50	<0.50	<0.50	NA	<0.50	NA	NA	NA	<20	86.13	11.39	74.74	NA
E-4	3/16/2006	<50.0	NA	<0.500	<0.500	<0.500	<0.500	NA	<0.500	NA	NA	NA	<10.0	86.13	10.79	75.34	NA
E-4	6/19/2006	<50.0	NA	<0.500	<0.500	<0.500	<0.500	NA	<0.500	NA	NA	NA	<10.0	86.13	11.09	75.04	NA
E-4	9/22/2006	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	<1.0	<1.0	<1.0	<1.0	<10	86.13	11.55	74.58	NA
E-4	12/13/2006	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	<0.50	NA	NA	NA	<5.0	86.13	11.58	74.55	NA
E-4	3/28/2007	<50	NA	<0.50	<1.0	<1.0	<1.0	NA	<1.0	NA	NA	NA	<10	86.13	11.47	74.66	NA
E-4	6/28/2007	<50 h	NA	<0.50	<1.0	<1.0	<1.0	NA	<1.0	NA	NA	NA	<10	86.13	11.95	74.18	NA
E-4	9/20/2007	<50 h	NA	<0.50	<1.0	<1.0	<1.0	NA	<1.0	<2.0	<2.0	<2.0	<10	86.13	12.19	73.94	NA
E-4	12/7/2007	<50 h	NA	<0.50	<1.0	<1.0	<1.0	NA	<1.0	NA	NA	NA	<10	86.13	11.99	74.14	NA
E-4	3/31/2008	<50	NA	<0.50	<1.0	<1.0	<1.0	NA	<1.0	NA	NA	NA	<10	86.13	11.90	74.23	NA
E-4	6/16/2008	<50	NA	<0.50	<1.0	<1.0	<1.0	NA	<1.0	NA	NA	NA	<10	86.13	12.16	73.97	NA
E-4	9/25/2008	<50	NA	<0.50	<1.0	<1.0	<1.0	NA	<1.0	<2.0	<2.0	<2.0	<10	86.13	12.60	73.53	NA
E-4	12/29/2008	<50	NA	<0.50	<1.0	<1.0	<1.0	NA	<1.0	NA	NA	NA	<10	86.13	12.64	73.49	NA
E-4	2/26/2009	<50	NA	<0.50	<1.0	<1.0	<1.0	NA	<1.0	NA	NA	NA	<10	86.13	11.98	74.15	NA
E-4	**5/27/2009**	**<50**	**NA**	**<0.50**	**<1.0**	**<1.0**	**<1.0**	**NA**	**<1.0**	**NA**	**NA**	**NA**	**<10**	**86.13**	**11.99**	**74.14**	**NA**

TABLE 1
WELL CONCENTRATIONS
Shell-branded Service Station
1705 Berryessa Road
San Jose, CA

Well ID	Date	TPPH (ug/L)	TEPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	DO Reading (ppm)

Abbreviations:

TPPH = Total petroleum hydrocarbons as gasoline by EPA Method 8260B; prior to September 18, 2001 analyzed by EPA Method 8015.

TEPH = Total petroleum hydrocarbons as diesel by modified EPA Method 8015.

BTEX = Benzene, toluene, ethylbenzene, xylenes by EPA Method 8260B; prior to September 18, 2001 analyzed by EPA Method 8020.

MTBE = Methyl tertiary butyl ether

DIPE = Di-isopropyl ether, analyzed by EPA Method 8260B

ETBE = Ethyl tertiary butyl ether, analyzed by EPA Method 8260B

TAME = Tertiary amyl methyl ether, analyzed by EPA Method 8260B

TBA = Tertiary butyl alcohol, analyzed by EPA Method 8260B

TOC = Top of Casing Elevation

GW = Groundwater

DO = Dissolved Oxygen

ug/L = Parts per billion

ppm = Parts per million

MSL = Mean sea level

ft. = Feet

<n = Below detection limit

NA = Not Applicable

TABLE 1
WELL CONCENTRATIONS
Shell-branded Service Station
1705 Berryessa Road
San Jose, CA

Well ID	Date	TPPH (ug/L)	TEPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	DO Reading (ppm)

Notes:

a = Chromatogram pattern indicates the presence of an unidentified hydrocarbon/Hydrocarbon does not match pattern of laboratory's standard.

b = Analyzed past the recommended holding time.

c = Diesel sample broken in transit by Columbia Analytical Services.

d = The compound(s) reported reflect(s) individual or discrete unidentified peaks detected in the diesel range. The pattern does not match fuel std.

e = The concentration indicated for this analyte is an estimated value above the calibration range of the instrument.

f = The sample chromatographic pattern for TPH does not match the chromatographic pattern of the specified standard. Quantitation of the unknown hydrocarbon(s) in the sample was based upon the specified standard.

g = Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.

h = Analyzed by EPA Method 8015B (M).

Ethanol analyzed by EPA Method 8260B.

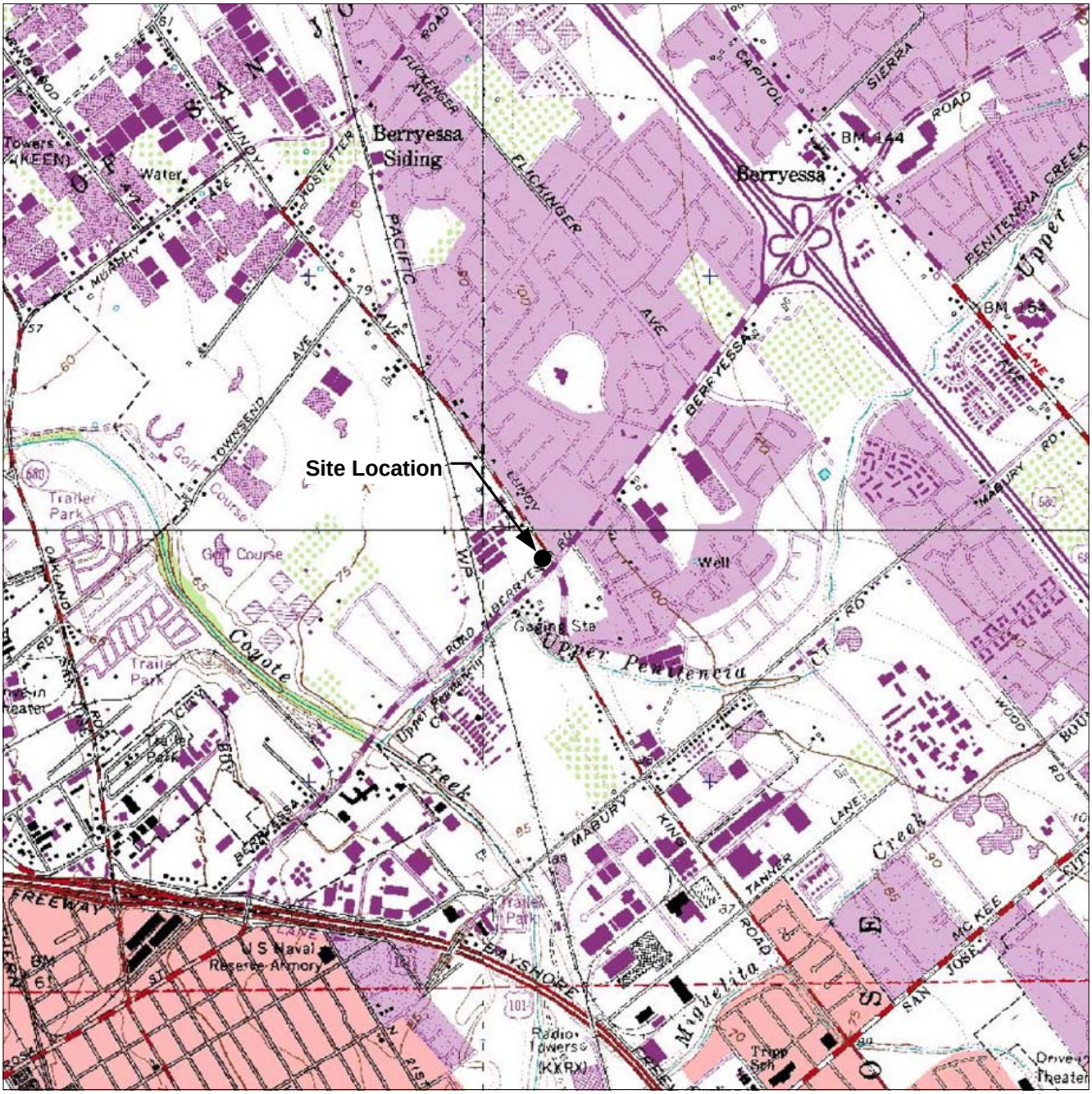
Wells MW-1 through MW-3 surveyed June 22, 1999 by PLS Surveys, Inc.

Wells MW-4 through MW-6D surveyed August 3, 2000 by PLS Surveys, Inc.

Wells MW-2A, MW-2B, MW-7A, and MW-7B surveyed June 13, 2002 by PLS Surveys, Inc.

Wells E-1 through E-4 surveyed by PLS Surveys, Inc.

FIGURES



GENERAL NOTES:
Base Map from: DeLorme Yarmouth, ME 04096
Source Data: USGS

North

0 1,800 3,600
Scale, Feet

FIGURE 1

SITE LOCATION MAP

SHELL STATION
1705 BERRYESSA RD
SAN JOSE, CALIFORNIA

PROJECT NO. SCA1705b1A	DRAWN BY RW
FILE NO.	PREPARED BY RW
REVISION NO.	REVIEWED BY

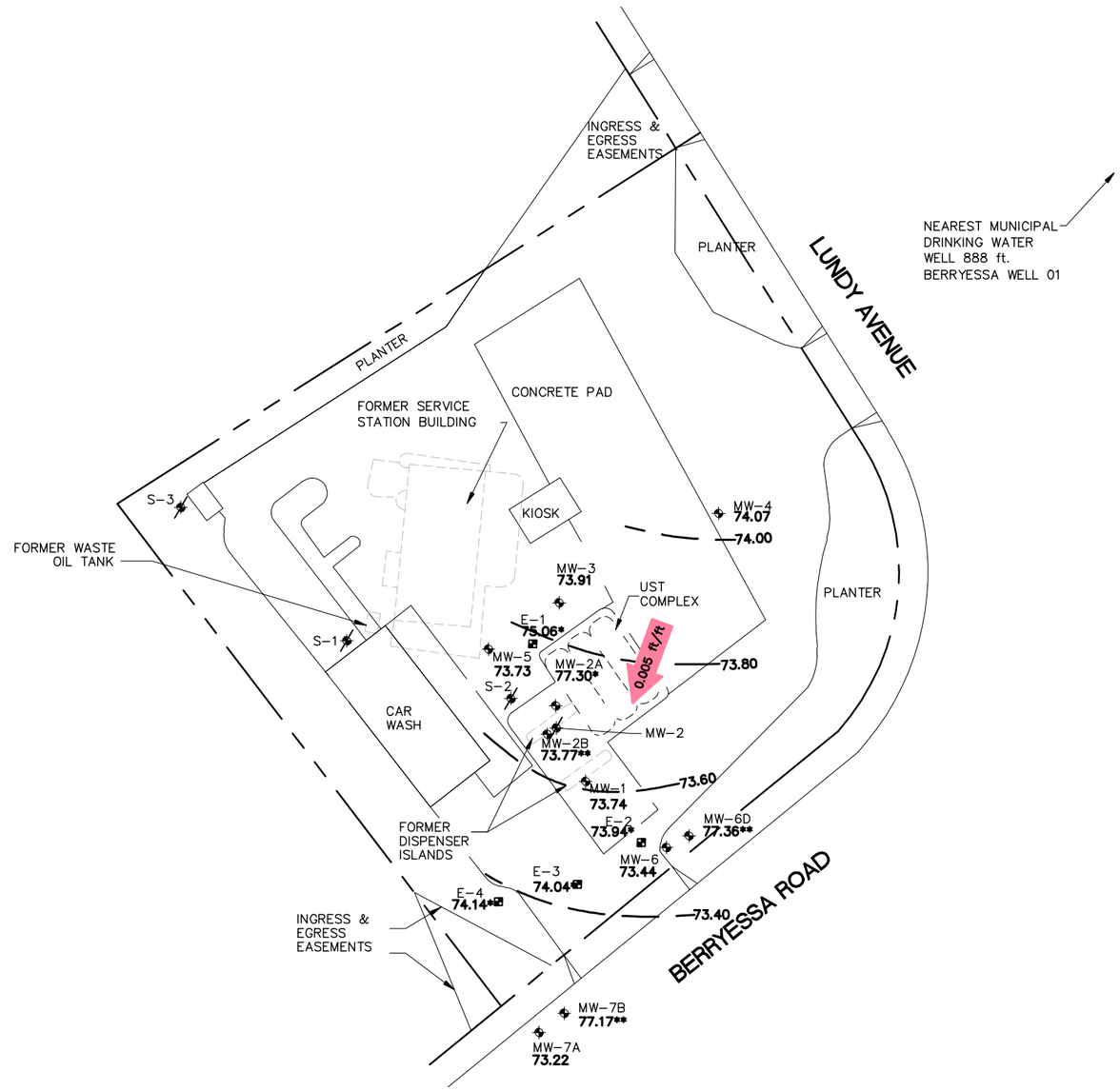
DELTA

PROJECT NUMBER SCA1705B1A

APPROVED BY

CHECKED BY

DRAWN BY J.F.F. 6/22/2009



0 25 50 SCALE IN FEET

N W E S

LEGEND

MW-1	GROUNDWATER MONITORING WELL LOCATION AND DESIGNATION
E-1	EXTRACTION WELL LOCATION AND DESIGNATION
S-1	ABANDONED MONITORING WELL LOCATION AND DESIGNATION
75.00	GROUNDWATER ELEVATION IN FEET ABOVE MEAN SEA LEVEL (Ft/MSL)
74.00	GROUNDWATER CONTOUR IN FEET ABOVE MEAN SEA LEVEL (Ft/MSL)
	CONTOUR INTERVAL=0.20 FEET
0.005 ft/ft	APPROXIMATE GROUNDWATER GRADIENT DIRECTION (ft/ft)
*	ANOMALOUS DATA NOT USED IN CONTOURING
**	DEEPER SCREENED WELL NOT USED IN CONTOURING

NOTES

E-1= SCREENED 10'-25'
2B= SCREENED 35'-40'
2A= SCREENED 10'-25'
6D= DEEPER (LOG NOT AVAILABLE)

DELTA CONSULTANTS

SHELL OIL PRODUCTS US
SHELL-BRANDED SERVICE STATION
SAN JOSE, CALIFORNIA

FIGURE 2

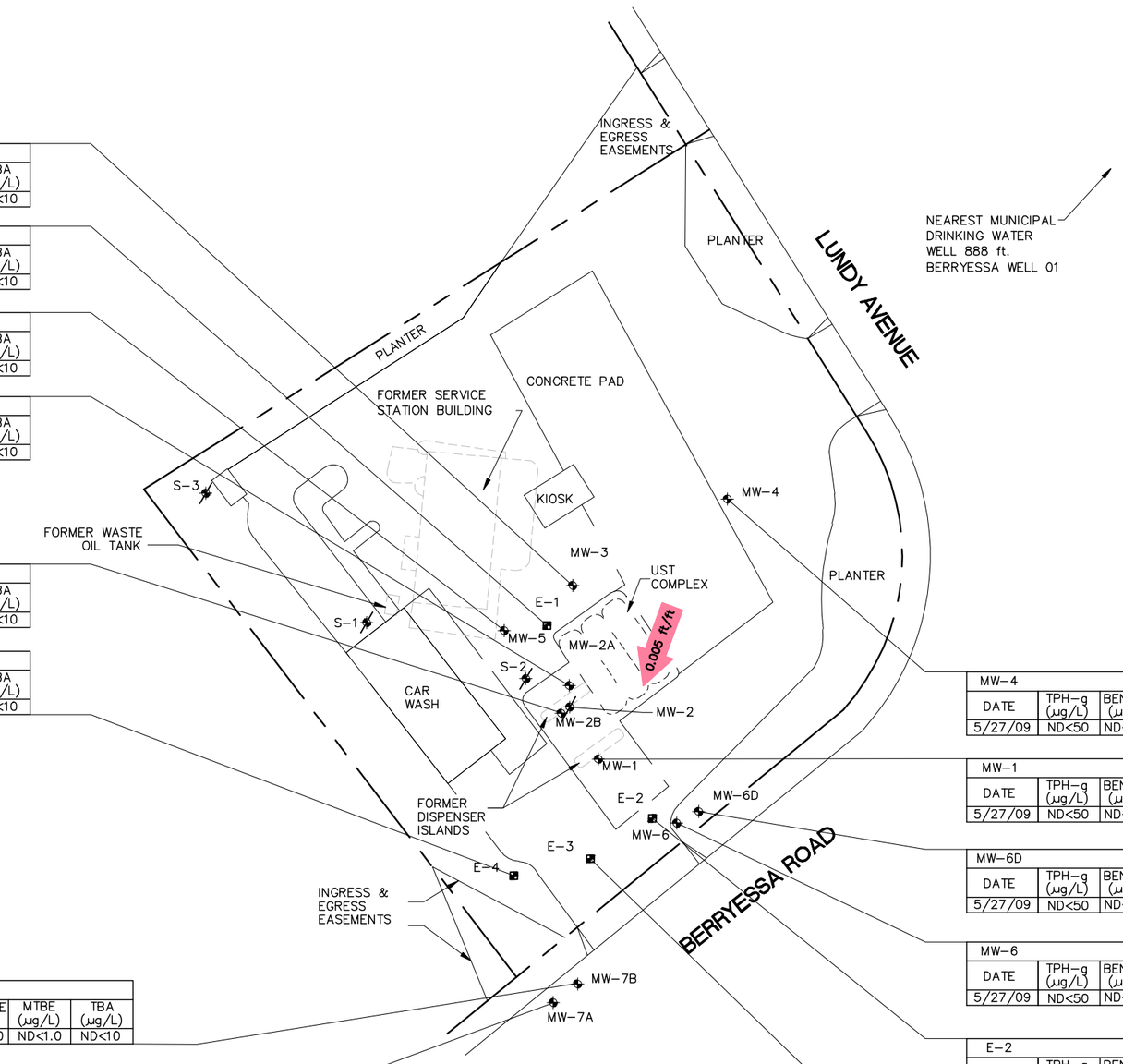
GROUNDWATER ELEVATION CONTOUR MAP
5/27/2009
1705 BERRYESSA ROAD
SAN JOSE, CALIFORNIA

PROJECT NUMBER SCA1705B1A

APPROVED BY

CHECKED BY

DRAWN BY J.F.F. 6/22/2009



MW-3				
DATE	TPH-g (µg/L)	BENZENE (µg/L)	MTBE (µg/L)	TBA (µg/L)
5/27/09	**74**	ND<0.50	**51**	ND<10

E-1				
DATE	TPH-g (µg/L)	BENZENE (µg/L)	MTBE (µg/L)	TBA (µg/L)
5/27/09	ND<50	ND<0.50	ND<1.0	ND<10

MW-5				
DATE	TPH-g (µg/L)	BENZENE (µg/L)	MTBE (µg/L)	TBA (µg/L)
5/27/09	ND<50	ND<0.50	ND<1.0	ND<10

MW-2A				
DATE	TPH-g (µg/L)	BENZENE (µg/L)	MTBE (µg/L)	TBA (µg/L)
5/27/09	**570**	ND<0.50	ND<1.0	ND<10

MW-2B				
DATE	TPH-g (µg/L)	BENZENE (µg/L)	MTBE (µg/L)	TBA (µg/L)
5/27/09	ND<50	ND<0.50	ND<1.0	ND<10

E-4				
DATE	TPH-g (µg/L)	BENZENE (µg/L)	MTBE (µg/L)	TBA (µg/L)
5/27/09	ND<50	ND<0.50	ND<1.0	ND<10

MW-7B				
DATE	TPH-g (µg/L)	BENZENE (µg/L)	MTBE (µg/L)	TBA (µg/L)
5/27/09	ND<50	ND<0.50	ND<1.0	ND<10

MW-7A				
DATE	TPH-g (µg/L)	BENZENE (µg/L)	MTBE (µg/L)	TBA (µg/L)
5/27/09	ND<50	ND<0.50	ND<1.0	ND<10

MW-4				
DATE	TPH-g (µg/L)	BENZENE (µg/L)	MTBE (µg/L)	TBA (µg/L)
5/27/09	ND<50	ND<0.50	ND<1.0	ND<10

MW-1				
DATE	TPH-g (µg/L)	BENZENE (µg/L)	MTBE (µg/L)	TBA (µg/L)
5/27/09	ND<50	ND<0.50	ND<1.0	ND<10

MW-6D				
DATE	TPH-g (µg/L)	BENZENE (µg/L)	MTBE (µg/L)	TBA (µg/L)
5/27/09	ND<50	ND<0.50	ND<1.0	ND<10

MW-6				
DATE	TPH-g (µg/L)	BENZENE (µg/L)	MTBE (µg/L)	TBA (µg/L)
5/27/09	ND<50	ND<0.50	**19**	ND<10

E-2				
DATE	TPH-g (µg/L)	BENZENE (µg/L)	MTBE (µg/L)	TBA (µg/L)
5/27/09	ND<50	ND<0.50	**26**	ND<10

E-3				
DATE	TPH-g (µg/L)	BENZENE (µg/L)	MTBE (µg/L)	TBA (µg/L)
5/27/09	ND<50	ND<0.50	ND<1.0	ND<10

LEGEND

MW-1	GROUNDWATER MONITORING WELL LOCATION AND DESIGNATION
E-1	EXTRACTION WELL LOCATION AND DESIGNATION
S-1	ABANDONED MONITORING WELL LOCATION AND DESIGNATION
TPH-g	TOTAL PETROLEUM HYDROCARBONS AS GASOLINE
MTBE	METHYL TERT-BUTYL ETHER
TBA	TERT-BUTYL ALCOHOL
µg/L	MICROGRAMS PER LITER
ND<	NOT DETECTED ABOVE LIMIT NOTED
NS	NOT SAMPLED
0.005 ft/ft	APPROXIMATE GROUNDWATER GRADIENT DIRECTION (ft/ft)

NOTES

E-1= SCREENED 10'-25'
2B= SCREENED 35'-40'
2A= SCREENED 10'-25'
6D= DEEPER (LOG NOT AVAILABLE)

0 25 50 SCALE IN FEET

DELTA CONSULTANTS

SHELL OIL PRODUCTS US
SHELL-BRANDED SERVICE STATION
SAN JOSE, CALIFORNIA

FIGURE 3
GROUNDWATER HYDROCARBON DISTRIBUTION MAP
5/27/2009
1705 BERRYESSA ROAD
SAN JOSE, CALIFORNIA

APPENDIX A

STATE WATER RESOURCES CONTROL BOARD RESOLUTION NO. 2009-0042

STATE WATER RESOURCES CONTROL BOARD
RESOLUTION NO. 2009-0042

ACTIONS TO IMPROVE ADMINISTRATION OF THE UNDERGROUND STORAGE TANK (UST) CLEANUP FUND AND UST CLEANUP PROGRAM

WHEREAS:

1. The State Water Resources Control Board (State Water Board) is authorized to administer the petroleum UST Cleanup Program, which was enacted by the Legislature in 1984 to protect health, safety and the environment, and the petroleum UST Cleanup Fund (Fund), which was enacted by the Legislature in 1989 to assist UST owners and operators in meeting federal financial responsibility requirements and to provide reimbursement to those owners and operators for the high cost of cleaning up contamination caused by leaking USTs.

2. The Regional Water Quality Control Boards (Regional Water Boards), County Local Oversight Progam agencies (LOP agencies), and other local agencies direct corrective actions to cleanup soil and groundwater contamination at petroleum UST sites that have had unauthorized releases.

3. It is the responsibility of Regional Water Boards, LOP agencies, and other local agencies to close UST cases that are ready for closure. State Water Board Resolution No. 92-49 directs that water affected by an unauthorized release attain either background water quality or the best water quality that is reasonable if background water quality cannot be restored. Any alternative level of water quality less stringent than background must be consistent with the maximum benefit to the people of the state, not unreasonably affect current and anticipated beneficial use of affected water, and not result in water quality less than that prescribed in the water quality control plan for the basin within which the site is located. Resolution No. 92-49 does not require, however, that the requisite level of water quality be met at the time of site closure. Resolution No. 92-49 specifies compliance with cleanup goals and objectives within a reasonable time frame. Therefore, even if the requisite level of water quality has not yet been attained, a site may be closed if the level will be attained within a reasonable period. In previous decisions, the State Water Board, when determining a reasonable period, has considered all relevant factors including, but not limited to, existing and anticipated beneficial uses of water. If, for example, it will take 50 years to meet the requisite level of water quality, that may be a reasonable period if neither existing nor anticipated beneficial uses would be impacted during that time.

4. Of over 11,000 statewide active petroleum UST cleanup cases, approximately 8,900 are eligible for reimbursement of corrective action costs through the Fund.

5. Of over 11,000 active UST cleanup cases, 7,000 have been open for over ten years.

6. The Fund's revenues are generated by a storage fee (currently 1.4 cents) for every gallon of petroleum products placed into USTs. The State Board of Equalization collects the fee quarterly from owners of active USTs.

7. Since 1992, the Fund has expended over $2.5 billion reimbursing cleanup costs at approximately 11,000 sites, of which 6,700 have been cleaned up and closed, and 4,300 remain active or suspended.

8. In recent years, the Fund has received up to $250 million annually from storage fees, of which up to $200 million was available to reimburse eligible claimants for the costs of ongoing UST cleanup at 4,300 sites.

9. In Fiscal Year (FY) 2008-2009 and subsequent FYs, the projected revenue to the Fund is $230 million, of which $150 million is available for cleanup reimbursements. The annual projected reimbursement payment demand from 4,300 claims is now $240 million.

10. Because of the projected reduction in revenues, increased payment demand and depletion of a long-standing cash reserve, the Fund has suspended one-third, or 1,300, of its active status claims in FY 2008-2009. The Fund currently has 3,000 claims with active Letters of Commitment (LOCs), 1,300 claims with suspended LOCs, and 4,600 claims on its Priority List.

11. Priority Class C claimants are most affected by the reduced availability of funds and suspensions. The best current estimate is that the backlog of payments for Priority Class C claimants at the end of the current FY will be between $80 and $100 million, which represents four to five years worth of available revenue for Priority C under current projections (+$20 million/year).

12. Claimants whose LOCs have been suspended have requested the immediate reactivation of their LOCs. The suspension of LOCs is a hardship for claimants and consultants who relied on Fund reimbursements to pay for cleanup costs and has negatively impacted their ability to arrange for interim financing.

13. Claimants with active LOCs have an expectation that they can submit a reimbursement request and expect to receive a check within some reasonably defined timeframe.

14. Health and Safety Code section 25299.57, subdivision (i) requires the State Water Board to pay for corrective action invoices within 60 days of receipt. The Fund has not consistently met the requirement to pay within 60 days but, until FY 2008-2009, payments have generally been issued within three to six months following receipt. At the current time, Priority B claimants are expected to receive reimbursement within 18 months of submission of a reimbursement request.

15. Reactivating suspended LOCs for Priority C claims in the short term would not allow the Fund to reliably project a reasonable payment timeframe for a new reimbursement request from reactivated Priority C claims.

16. Of the 4,300 claims with active or suspended LOCs in the Fund, over 43 percent have been open for ten years or more.

17. There is a significant financial burden to the Fund as well as a financial and time burden to UST owners in keeping UST cleanup cases open where there is little or no environmental benefit associated with continued investigation, remediation, or monitoring.

18. To protect health, safety and the environment, limited Fund resources should be focused on higher priority UST cleanup cases where there is a threat to water quality and sensitive receptors and not on cases where little or no environmental benefit of continued investigation, remediation, and monitoring can be demonstrated.

19. Health and Safety Code section 25299.39.2 authorizes the manager of the Fund to review the case history for all claims that have been active for five years or more and to make a recommendation to the State Water Board for closure (five year review). Upon receiving a recommendation, the State Water Board may close a case under the jurisdiction of a Regional Water Board or LOP agency.

20. Fund staff has completed reviews of over 1,400 claims and recommended closure on over 20 percent of the cases reviewed. Regional Water Board and LOP agency staffs have issued case closures for approximately one third of the cases identified for closure.

21. Regional Water Board Executive Officers have agreed to timely five-year review closure recommendations.

22. The Fund annually expends approximately $80 million for quarterly monitoring activities. With rare exceptions, changing the monitoring frequency to semiannual would save $40 million annually without harm to the environment or risk to health and safety.

23. Review of all UST cleanup cases should be conducted to ensure that high priority cases receive appropriate regulatory attention.

24. Numerous recommendations for actions to reduce the financial impact of the cash shortage in the Fund on claimants and their consultants and for overall improvement to the UST Cleanup Fund and UST Cleanup Program were submitted at a public workshop held by the State Water Board in Sacramento on March 9, 2009.

THEREFORE BE IT RESOLVED THAT:

The State Water Board directs all of the following measures be undertaken to protect health, safety and the environment and improve the administration of the UST Cleanup Fund and UST Cleanup Program:

1. The Regional Water Board and LOP agencies shall immediately begin to review all cases in the petroleum UST Cleanup Program using the general framework provided below.

   a. The order of case reviews shall be determined by the Regional Water Boards and LOP agencies. Consideration should be given to reviewing first those cases with an active or suspended LOC with the Fund.

   b. These case reviews shall, at a minimum, include the following for each UST case:

      (1) Determination of whether or not the case is ready for closure.

(2) If the case is not ready for closure, determination of the following:

(a) The impediments to closure.
(b) The specific environmental benefits of any additional work to be performed at the site.
(c) The existing sensitive receptors that are likely to be impacted by contamination at the site and the probable timeframe for those impacts to occur.

c. Each case review shall be made publicly available on the State Water Board's GeoTracker web site within 30 days of when it is completed in a format acceptable to the Executive Director.

d. Regional Water Board and LOP agencies shall, within 90 days, close cases identified as ready for closure in the case review.

e. No new directives for additional corrective action shall be issued until all site reviews have been completed unless site-specific needs warrant otherwise.

f. The above listed tasks shall be accomplished within existing budgets and not later than June 30, 2010.

2. The Division of Water Quality (DWQ) shall compile the results of the case review effort and post its findings and conclusions on the State Water Board website. The report shall be posted beginning January 2010 and updated every six months until January 2011.

3. Regional Water Board and LOP agencies shall reduce quarterly monitoring requirements to semiannual or less frequent monitoring at all sites unless site-specific needs warrant otherwise and shall notify all responsible parties of the new requirements no later than August 1, 2009. If more than semiannual monitoring is required for a case, the responsible party and State Water Board shall be notified of the rationale and the notice shall be posted on GeoTracker.

4. The Fund Manager shall annually review each claim with an active LOC for five or more years consistent with Health and Safety Code section 25299.39.2 and make a finding that: 1) the case should be considered for closure, 2) the current course of corrective action is appropriate, or 3) a change in the course of corrective action is recommended. These findings shall be reported to regulatory staff for consideration and response. The claimant shall also be notified of the finding. In completing the five year review, the Fund Manager shall consider any results of the Regional Water Board or LOP agency case review on GeoTracker (Item 1 above.) and shall post the results of the five year review on GeoTracker.

5. For cases where the five year review finding is that the case should be considered for closure and the regulatory staff has not responded or provided a reasonable basis for keeping the case open, the Fund Manager shall within one month, elevate the case to the Regional Water Board Executive Officer or LOP agency director for a thirty day review.

a. If the Regional Water Board Executive Officer or LOP agency director agrees to close the case, he or she shall send a No Further Action letter consistent with Health and Safety Code section 25296.10 within 90 days.

b. For cases where there is continued disagreement about whether the case should be closed, the Fund Manager shall within six months recommend the case to the State Water Board for consideration of closure.

6. The Division of Financial Assistance (DFA) shall, by August 2009, enhance the Fund's web page to improve the transparency of the payment request queue and approvals and to allow claimants to better estimate when payments are likely to occur.

7. DFA shall at the earliest possible time, notify claimants in writing who have a suspended LOC of the expected date that the LOC will be reactivated.

8. DFA shall, by July 2009, develop forms and procedures necessary to facilitate options for claimants to assign anticipated Fund reimbursements to a financing program to help meet claimants' cash flow needs.

9. DFA and DWQ shall, by July 2009, create a taskforce composed of State and Regional Water Board staff, LOP and other local agency staff, consultants and tank owners and operators to make recommendations for improvements to Fund administrative procedures and response to the current cash shortage. The taskforce shall also make recommendations to improve the UST Cleanup regulatory program, including additional approaches to risk-based cleanup. The first meeting of this taskforce shall be held no later than July 15, 2009 and there shall be meetings held at least every other month from that point forward. The initial focus of the taskforce will be to identify issues to be addressed in the independent audit required by Resolved no. 11. The taskforce shall provide input for the audit by September 1, 2009. Further, State Water Board staff shall report on progress of taskforce activities as required by Resolved no. 13, and, by January 1, 2010, the taskforce shall make final recommendations to the State Water Board. As the taskforce identifies issues, staff shall bring items requiring immediate board action to a regularly scheduled meeting of the State Water Board. Nothing in this Resolved no. 9 shall provide a basis for not (1) implementing other actions required by this resolution or (2) requiring compliance with existing precedential decisions regarding closures.

10. DFA and DWQ shall pursue all available Federal economic stimulus money to make funds available for claim reimbursements.

11. The Division of Administrative Services shall, by July 2009, initiate an independent program and fiscal audit of the Fund and shall annually thereafter complete a fiscal audit. Additional programmatic audits shall be undertaken at an interval to be determined by the Executive Director. Program audits shall include input from the taskforce created in Resolved no. 9. Program audits shall include a review of Fund policies and procedures to detect and follow-up on suspected waste, abuse and fraud. The results of the initial program audit shall be posted on the State Water Board's web site no later than March 1, 2010.

12. DWQ shall, by January 2010, complete development of an updated Leaking Underground Fuel Tank (LUFT) manual.

13. DWQ and DFA shall report on progress toward completion of these activities every six months at a meeting of the State Water Board.

14. The issues identified in this resolution are of an ongoing nature and the State Water Board will take further appropriate action to address the funding shortfall and improve program effectiveness.

CERTIFICATION

The undersigned, Clerk to the Board, does hereby certify that the foregoing is a full, true, and correct copy of a resolution duly and regularly adopted at a meeting of the State Water Resources Control Board held on May 19, 2009.

AYE:	Chairman Charles R. Hoppin Vice Chair Frances Spivy-Weber Board Member Arthur G. Baggett, Jr. Board Member Tam M. Doduc
NAY:	None
ABSENT:	None
ABSTAIN:	None

Jeanine Townsend

Jeanine Townsend
Clerk to the Board

APPENDIX B

REGULATORY CORRESPONDENCE

County of Santa Clara

Department of Environmental Health

Hazardous Materials Compliance Division
1555 Berger Drive, Suite 300
San Jose, California 95112-2716
(408) 918-3400 FAX (408) 280-6479
www.EHinfo.org

RECEIVED - SOP US

AUG 05 2009

ENVIROMENTAL SERVICES
WESTERN REGION

July 29, 2009

Ms. Carol Campagna
Shell Oil Products US
20945 S. Wilmington Avenue
Carson, California 90810-1039

136010

Subject: Fuel Leak Investigation at Shell Service Station, 1705 Berryessa Rd., San Jose, LOP No.19-110, SCVWDID # 06S1E33D03f

Dear Ms. Campagna:

On May 19, 2009, the State Water Resources Control Board passed Resolution No. 2009-0042 mandating that groundwater monitoring at fuel leak sites be reduced from quarterly to semi-annually. You are hereby notified to reduce sampling of all site wells from quarterly to semi-annually to be conducted in the first and third quarters. The Local Oversight Program (LOP) can require more frequent monitoring if they provide notification along with rationale to you and the State Water Resources Control Board.

Technical Report Request

Please submit the following technical report to DEH (Attention: Mamerto Jorvina) according to the following schedule:

July 2009 – Second Quarter 2009 Groundwater Monitoring Report
January 2010 – Fourth Quarter 2009 Groundwater Monitoring Report

This technical report is being requested pursuant to our authority under Sections 25289 and 25296.10 of the California Health and Safety Code. Each report shall include conclusions and recommendations for the next phases of work required to protect water resources, human health and safety, and the environment at the site. We request that all required work be performed in a prompt and timely manner. Revisions to the schedule shall be requested in writing with appropriate justification for the anticipated delays and a proposed revised schedule.

The California Business and Professions Code (Sections 6735, 7835, and 7835.1) require that work plans and technical or implementation reports containing geologic or engineering evaluations and/or judgments must be performed under the direction of an appropriately registered or certified professional.

Board of Supervisors: Donald F. Gage, George Shirakawa, Dave Cortese, Ken Yeager, Liz Kniss
Acting County Executive: Gary A. Graves

Perjury Statement

All proposals and reports submitted to this office must be accompanied by a cover letter from the responsible party which states, at a minimum, the following:

> "I declare, under penalty of perjury, that the information and/or recommendations contained in the attached proposal or report is true and correct."

This letter must be signed by an officer or legally authorized representative of your company.

If you have any questions, please contact me at (408) 918-1954 or by e-mail at mamerto.jorvina@deh.sccgov.org.

Sincerely,

Mamerto Jorvina, REHS
Hazardous Materials Specialist II
Local Oversight Program

cc: Regina Bussard, Delta Consultants, 312 Piercy Rd., San Jose, CA 95138
Mamerto Jorvina, File

APPENDIX C

BLAINE TECH SERVICES, INC.

FIELD DATA SHEETS

SHELL WELLHEAD INSPECTION FORM
(FOR SAMPLE TECHNICIAN)

Site Address 1705 Berryessa Rd. San Jose CA. Date 5/27/09

Job Number 090527-SC1 Technician SO/JP Page 1 of 1

Well ID	Well Inspected - No Corrective Action Required	Well Box Meets Compliance Requirements *See Below	Water Bailed From Wellbox	Cap Replaced	Lock Replaced	Well Not Inspected (explain in notes)	New Deficiency Identified	Previously Identified Deficiency Persists	Notes
MW-1	X	X							
MW-2A	X	X							
MW-2B	X	X							
MW-3	X	X							
MW-4	X	X							
MW-5	X	X							
MW-6	X	X							
MW-6D	X	X							
MW-7A		X							2/2 tabs broken
MW-7B		X							
E-1	X								Vault (circle)
E-2	X								↓
E-3	X								↓
E-4	X								↓

*Well box must meet all three criteria to be compliant: 1) WELL IS SECURABLE BY DESIGN (12"or less) 2) WELL IS MARKED WITH THE WORDS "MONITORING WELL" (12"or less) 3) WELL TAG IS PRESENT, SECURE, AND CORRECT

Notes:

WELL GAUGING DATA

Project # 090577-J01 Date 5/27/09 Client shell

Site 1705 Berryessa Rd. San Jose CA.

Well ID	Time	Well Size (in.)	Sheen / Odor	Depth to Immiscible Liquid (ft.)	Thickness of Immiscible Liquid (ft.)	Volume of Immiscibles Removed (ml)	Depth to water (ft.)	Depth to well bottom (ft.)	Survey Point: TOB or TOC	Notes
MW-1	0845	4					12.90	24.57		
MW-2A	0840	2					9.25	24.52		
MW-2B	0835	2					12.81	39.40		
MW-3	0830	4					13.55	24.61		
MW-4	0900	4					13.90	18.33		
MW-5	0825	4					13.41	19.17		
MW-6	0855	4					13.59	19.46		
MW-6D	0850	4					9.92	41.12		
MW-7A	1405	2					12.03	23.81		TW
MW-7B	1400	2					8.02	40.23		TW
E-1	0905	4					11.15	23.82		
E-2	0910	4					11.62	23.72		
E-3	0915	4					11.36	23.24		
E-4	0920	4					11.99	24.03		
~~E-5~~										

SHEL. WELL MONITORING DATA .IEET

BTS #: 090527-SO1	Site: 98996060
Sampler: SO / SP	Date: 5/27/09
Well I.D.: MW-1	Well Diameter: 2 3 (4) 6 8 ____
Total Well Depth (TD): 24.57	Depth to Water (DTW): 12.90
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 15.23	

Purge Method: Bailer, Disposable Bailer, Positive Air Displacement, (Electric Submersible), Waterra, Peristaltic, Extraction Pump, Other_____

Sampling Method: (Bailer), Disposable Bailer, Extraction Port, Dedicated Tubing, Other: _____

7.5 (Gals.) X 3 = 22.5 Gals.
1 Case Volume — Specified Volumes — Calculated Volume

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius^2 * 0.163

Time	Temp (°F)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	Gals. Removed	Observations
0933	69.0	7.46	1077	27	7.5	
0935	68.7	7.42	1079	23	15.0	
~~1555~~	well	Dewatered @		16 gallons		
1555	69.1	7.38	1076	21	—	

Did well dewater? (Yes) No — Gallons actually evacuated: 16

Sampling Date: 5/27/09 — Sampling Time: 1555 — Depth to Water: 13.26

Sample I.D.: MW-1 — Laboratory: (CalScience) Columbia Other_____

Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) Other: see COC

EB I.D. (if applicable): @ Time — Duplicate I.D. (if applicable):

Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) Other:

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV

SHEL WELL MONITORING DAT EET

BTS #: 090527-SO1	Site: 98996060
Sampler: SO / SP	Date: 5/27/09
Well I.D.: MW-2A	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth (TD): 24.52	Depth to Water (DTW): 9.25
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 12.30	

Purge Method: (Bailer) Disposable Bailer Positive Air Displacement Electric Submersible Waterra Peristaltic Extraction Pump Other_____

Sampling Method: (Bailer) Disposable Bailer Extraction Port Dedicated Tubing Other: _____

2.4 (Gals.) X	3	=	7.2 Gals.
1 Case Volume	Specified Volumes		Calculated Volume

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius^2 * 0.163

Time	Temp (°F)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	Gals. Removed	Observations
1224	69.9	7.19	1061	314	2.4	cloudy
1227	68.9	7.11	1058	392	4.8	↓
1230	68.7	7.05	1056	431	7.2	↓

Did well dewater? Yes (No) Gallons actually evacuated: 7.2

Sampling Date: 5/27/09 Sampling Time: 1235 Depth to Water: 12.01

Sample I.D.: MW-2A Laboratory: (CalScience) Columbia Other_____

Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) Other: see COC

EB I.D. (if applicable): @ Time Duplicate I.D. (if applicable):

Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) Other:

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV

SHEET WELL MONITORING DATA SHEET

BTS #: 090527-S01	Site: 98996060
Sampler: SO / SP	Date: 5/27/09
Well I.D.: MW-2B	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth (TD): 39.40	Depth to Water (DTW): 12.81
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 18.25	

Purge Method: (Bailer) Disposable Bailer / Positive Air Displacement / Electric Submersible / Waterra / Peristaltic / Extraction Pump / Other_____

Sampling Method: (Bailer) Disposable Bailer / Extraction Port / Dedicated Tubing / Other: _____

1 Case Volume		Specified Volumes		Calculated Volume
~~4.25~~ 4.3 (Gals.)	X	3	=	~~12.75~~ 12.9 Gals.

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius^2 * 0.163

Time	Temp (°F)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	Gals. Removed	Observations
1240	68.7	7.44	1080	>1000	4.3	cloudy/brown
1245	68.3	7.42	1087	>1000	8.6	↓
1250	68.1	7.43	1090	>1000	12.9	↓

Did well dewater? Yes (No) Gallons actually evacuated: 12.9

Sampling Date: 5/27/09 Sampling Time: 1255 Depth to Water: 14.12

Sample I.D.: MW-2B Laboratory: (CalScience) Columbia Other_____

Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) Other: see COC

EB I.D. (if applicable): @ Time Duplicate I.D. (if applicable):

Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) Other:

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV

SHEL. WELL MONITORING DAT. EET

BTS #: 090527-SO1	Site: 98996060
Sampler: SO / SP	Date: 5/27/09
Well I.D.: MW-3	Well Diameter: 2 3 (4) 6 8 ____
Total Well Depth (TD): 24.61	Depth to Water (DTW): 13.55
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 15.76	

Purge Method: Bailer, Disposable Bailer, Positive Air Displacement, (Electric Submersible), Waterra, Peristaltic, Extraction Pump, Other_____

Sampling Method: (Bailer), Disposable Bailer, Extraction Port, Dedicated Tubing, Other: _____

7.2 (Gals.) X 3 = 21.6 Gals.
1 Case Volume — Specified Volumes — Calculated Volume

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius^2 * 0.163

Time	Temp (°F)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	Gals. Removed	Observations
1302	69.4	7.31	1237	69	7.2	
1304	69.3	7.28	1244	57	14.4	
1306	69.1	7.27	1248	43	21.6	

Did well dewater? Yes (No) Gallons actually evacuated: 21.6

Sampling Date: 5/27/09 Sampling Time: 1315 Depth to Water: 15.44

Sample I.D.: MW-3 Laboratory: (CalScience) Columbia Other_____

Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) Other: see COC

EB I.D. (if applicable): @ Time Duplicate I.D. (if applicable):

Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) Other:

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV

SHEL_ WELL MONITORING DATA _EET

BTS #: 090527-SO1	Site: 98996060
Sampler: SO / SP	Date: 5/27/09
Well I.D.: MW-4	Well Diameter: 2 3 (4) 6 8 ____
Total Well Depth (TD): 18.33	Depth to Water (DTW): 13.90
Depth to Free Product: ·	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 14.79	

Purge Method: Bailer, Disposable Bailer, Positive Air Displacement, (Electric Submersible), Waterra, Peristaltic, Extraction Pump, Other_____

Sampling Method: (Bailer), Disposable Bailer, Extraction Port, Dedicated Tubing, Other: _____

1 Case Volume		Specified Volumes		Calculated Volume	
2.9	(Gals.) X	3	=	8.7	Gals.

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius^2 * 0.163

Time	Temp (°F)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	Gals. Removed	Observations
0445	68.7	7.39	1304	129	2.9	
		Dewatered @		3 gallons		
1620	69.3	7.31	1310	73	—	

Did well dewater? (Yes) No Gallons actually evacuated: 3.0

Sampling Date: 5/27/09 Sampling Time: 1620 Depth to Water: 13.97

Sample I.D.: MW-4 Laboratory: (CalScience) Columbia Other_____

Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) Other: See COC

EB I.D. (if applicable): @ Time Duplicate I.D. (if applicable):

Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) Other:

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV

SHEL WELL MONITORING DAT EET

BTS #: 090527-SO1	Site: 98996060
Sampler: SO / JP	Date: 5/27/09
Well I.D.: MW-5	Well Diameter: 2 3 4 6 8 ____
Total Well Depth (TD): 19.17	Depth to Water (DTW): 13.41
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: PVC Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 14.56	

Purge Method: Bailer, Disposable Bailer, Positive Air Displacement, Electric Submersible, Waterra, Peristaltic, Extraction Pump, Other_____

Sampling Method: Bailer, Disposable Bailer, Extraction Port, Dedicated Tubing, Other: _____

3.7 (Gals.) X 3 = 11.1 Gals.
1 Case Volume Specified Volumes Calculated Volume

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius^2 * 0.163

Time	Temp (°F)	pH	Cond. (mS or µS)	Turbidity (NTUs)	Gals. Removed	Observations
1001	71.1	7.21	1072	>1000	3.7	Brown/silty
		Dewatered @ 6 gallons				
1610	72.8	7.36	1099	58	—	

Did well dewater? Yes No Gallons actually evacuated: 6.0

Sampling Date: 5/27/09 Sampling Time: 1610 Depth to Water: 13.48

Sample I.D.: MW-5 Laboratory: CalScience Columbia Other_____

Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) Other: see COC

EB I.D. (if applicable): @ Time Duplicate I.D. (if applicable):

Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) Other:

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV

SHEET WELL MONITORING DATA SHEET

BTS #: 090527-SO1	Site: 98996060
Sampler: SO / SP	Date: 5/27/09
Well I.D.: MW-6	Well Diameter: 2 3 (4) 6 8 ____
Total Well Depth (TD): 19.46	Depth to Water (DTW): 13.59
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]:	

Purge Method: Bailer / Disposable Bailer / Positive Air Displacement / (Electric Submersible) / Waterra / Peristaltic / Extraction Pump / Other_____

Sampling Method: (Bailer) / Disposable Bailer / Extraction Port / Dedicated Tubing / Other: _____

3.8 (Gals.) X 3 = 11.4 Gals.
1 Case Volume — Specified Volumes — Calculated Volume

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius^2 * 0.163

Time	Temp (°F)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	Gals. Removed	Observations
1030	70.1	7.29	1144	91	3.8	
	Dewatered @ 5 gallons					
1610	69.1	7.23	1150	73	—	

Did well dewater? (Yes) No — Gallons actually evacuated: 5.0

Sampling Date: 5/27/09 — Sampling Time: 1610 — Depth to Water: 13.61

Sample I.D.: MW-6 — Laboratory: (CalScience) Columbia Other_____

Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) Other: see COC

EB I.D. (if applicable): @ Time — Duplicate I.D. (if applicable):

Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) Other:

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV

SHEET WELL MONITORING DATA SHEET

BTS #: 090527-SO1	Site: 98996060
Sampler: SO / SP	Date: 5/27/09
Well I.D.: MW-6D	Well Diameter: 2 3 (4) 6 8 ____
Total Well Depth (TD): 41.12	Depth to Water (DTW): 9.92
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 16.16	

Purge Method: Bailer, Disposable Bailer, Positive Air Displacement, (Electric Submersible), Waterra, Peristaltic, Extraction Pump, Other_____

Sampling Method: (Bailer), Disposable Bailer, Extraction Port, Dedicated Tubing, Other: _____

20.3 (Gals.) X 3 = 60.9 Gals.
1 Case Volume — Specified Volumes — Calculated Volume

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius^2 * 0.163

Time	Temp (°F)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	Gals. Removed	Observations
1050	69.7	7.31	1099	33	20.3	~~20.3~~
1054	70.2	7.32	1108	21	40.6	
1058	69.4	7.31	1103	17	60.9	

Did well dewater? Yes (No) Gallons actually evacuated: 60.9

Sampling Date: 5/27/09 Sampling Time: 1105 Depth to Water: 10.0

Sample I.D.: MW-6D Laboratory: (CalScience) Columbia Other_____

Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) Other: see COC

EB I.D. (if applicable): @ Time Duplicate I.D. (if applicable):

Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) Other:

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV

SHEL WELL MONITORING DATA EET

BTS #: 090527-S01	Site: 98996060
Sampler: SO / (SP)	Date: 5/27/09
Well I.D.: MW-7A	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth (TD): 23.81	Depth to Water (DTW): 12.03
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: TRAFFIC	

Purge Method: Bailer / X Disposable Bailer / Positive Air Displacement / Electric Submersible / Waterra / Peristaltic / Extraction Pump / Other_____

Sampling Method: Bailer / X Disposable Bailer / Extraction Port / Dedicated Tubing / Other: _____

1.9 (Gals.) X 3 = 5.7 Gals.
1 Case Volume / Specified Volumes / Calculated Volume

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius^2 * 0.163

Time	Temp (°F)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	Gals. Removed	Observations
1402	71.1	6.92	1308	>1000	1.9	BRN CLOUDY
1406	67.4	6.95	1367	>1000	3.8	" "
1410	67.4	6.93	1397	>1000	5.7	" "

Did well dewater? Yes (No) Gallons actually evacuated: 5.7

Sampling Date: 5/27/09 Sampling Time: 1415 Depth to Water: 12.65

Sample I.D.: MW-7A Laboratory: (CalScience) Columbia Other_____

Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) Other: see COC

EB I.D. (if applicable): @ Time Duplicate I.D. (if applicable):

Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) Other:

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV

SHEET WELL MONITORING DATA SHEET

BTS #: 090527-SO1	Site: 98996060
Sampler: SO / SP	Date: 5/27/09
Well I.D.: MW-7B	Well Diameter: (2) 3 4 6 8
Total Well Depth (TD): ~~8.07~~ 40.23	Depth to Water (DTW): ~~40.23~~ 8.02
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]:	

Purge Method: Bailer / (Disposable Bailer) / Positive Air Displacement / Electric Submersible / Waterra / Peristaltic / Extraction Pump / Other_____

Sampling Method: ~~Bailer~~ / (~~Disposable Bailer~~) / Extraction Port / Dedicated Tubing / Other: _____

5 (Gals.) X 3 = 15 Gals.
1 Case Volume Specified Volumes Calculated Volume

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius^2 * 0.163

Time	Temp (°F)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	Gals. Removed	Observations
1404	69.4	7.39	1109	74	5	
1409	67.4	7.29	1148	>1000	10	
1413	67.6	7.30	1162	>1000	15	

Did well dewater? Yes (No) Gallons actually evacuated: 15

Sampling Date: 5/27/09 Sampling Time: 1415 Depth to Water: 9.13

Sample I.D.: MW-7B Laboratory: (CalScience) Columbia Other_____

Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) Other: see COC

EB I.D. (if applicable): @ Time Duplicate I.D. (if applicable):

Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) Other:

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV

SHE[illegible] WELL MONITORING DAT[illegible] EET

BTS #: 090527-J01	Site: 98996060
Sampler: SO / JP	Date: 5/27/09
Well I.D.: E-1	Well Diameter: 2 3 4 6 8 ____
Total Well Depth (TD): 23.82	Depth to Water (DTW): 11.15
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: PVC Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 13.70	

Purge Method: Bailer, Disposable Bailer, Positive Air Displacement, Electric Submersible, Waterra, Peristaltic, Extraction Pump, Other_____

Sampling Method: Bailer, Disposable Bailer, Extraction Port, Dedicated Tubing, Other: _____

8.2 (Gals.) X 3 = 24.6 Gals.
1 Case Volume — Specified Volumes — Calculated Volume

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius^2 * 0.163

Time	Temp (°F)	pH	Cond. (mS or µS)	Turbidity (NTUs)	Gals. Removed	Observations
1016	70.4	7.42	1071	194	8.2	Brownish
1018	70.1	7.38	1077	163	16.4	
			Dewatered	@	17 gals	
1555	74.5	7.53	1093	33	—	

Did well dewater? Yes No — Gallons actually evacuated: 17

Sampling Date: 5/27/09 — Sampling Time: 1555 — Depth to Water: 11.24

Sample I.D.: E-1 — Laboratory: CalScience Columbia Other_____

Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) Other: see COC

EB I.D. (if applicable): @ Time — Duplicate I.D. (if applicable):

Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) Other:

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV

SHE[illegible] WELL MONITORING DAT[illegible] EET

BTS #: 090527-J01	Site: 98996060
Sampler: SO / JP	Date: 5/27/09
Well I.D.: E-2	Well Diameter: 2 3 (4) 6 8 ____
Total Well Depth (TD): 23.72	Depth to Water (DTW): 11.62
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 14.04	

Purge Method: Bailer, Disposable Bailer, Positive Air Displacement, (Electric Submersible), Waterra, Peristaltic, Extraction Pump, Other_____

Sampling Method: (Bailer), Disposable Bailer, Extraction Port, Dedicated Tubing, Other: _____

7.8 (Gals.) X 3 = 23.4 Gals.
1 Case Volume — Specified Volumes — Calculated Volume

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius^2 * 0.163

Time	Temp (°F)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	Gals. Removed	Observations
~~1302~~	72.5	7.38	1231	83	7.8	
~~1322~~	73.1	7.31	1238	72	15.6	
~~1306~~ 1324		well	dewatered	@ 16	gallons	
1350	73.4	7.28	1280	51	—	

Did well dewater? (Yes) No — Gallons actually evacuated: 16

Sampling Date: 5/27/09 — Sampling Time: 1350 — Depth to Water: 14.01

Sample I.D.: E-2 — Laboratory: (CalScience) Columbia Other_____

Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) Other: see COC

EB I.D. (if applicable): @ Time — Duplicate I.D. (if applicable):

Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) Other:

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV

SHE[illegible] WELL MONITORING DAT[illegible] EET

BTS #: 090527-J01	Site: 98996060
Sampler: SO / JP	Date: 5/27/09
Well I.D.: E-3	Well Diameter: 2 3 (4) 6 8 ____
Total Well Depth (TD): 23.24	Depth to Water (DTW): 11.36
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 13.36	

Purge Method: Bailer, Disposable Bailer, Positive Air Displacement, (Electric Submersible), Waterra, Peristaltic, Extraction Pump, Other_____

Sampling Method: (Bailer), Disposable Bailer, Extraction Port, Dedicated Tubing, Other: _____

7.7 (Gals.) X 3 = 23.1 Gals.
1 Case Volume — Specified Volumes — Calculated Volume

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius^2 * 0.163

Time	Temp (°F)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	Gals. Removed	Observations
1202	67.2	7.19	1279	53	7.7	
1204	67.4	7.18	1278	41	15.4	
1206	67.5	7.17	1275	33	23.1	

Did well dewater? Yes (No) Gallons actually evacuated: 23.1

Sampling Date: 5/27/09 Sampling Time: 1210 Depth to Water: 12.91

Sample I.D.: E-3 Laboratory: (CalScience) Columbia Other_____

Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) Other: see COC

EB I.D. (if applicable): @ Time Duplicate I.D. (if applicable):

Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) Other:

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV

SHE[illegible] WELL MONITORING DAT[illegible] EET

BTS #: 090527-J01	Site: 98996060
Sampler: SO / JP	Date: 5/27/09
Well I.D.: E-4	Well Diameter: 2 3 (4) 6 8 ____
Total Well Depth (TD): 24.03	Depth to Water (DTW): 11.99
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 14.40	

Purge Method: Bailer, Disposable Bailer, Positive Air Displacement, (Electric Submersible), Waterra, Peristaltic, Extraction Pump, Other_____

Sampling Method: (Bailer), Disposable Bailer, Extraction Port, Dedicated Tubing, Other: _____

7.8 (Gals.) X 3 = 23.4 Gals.
1 Case Volume — Specified Volumes — Calculated Volume

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius^2 * 0.163

Time	Temp (°F)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	Gals. Removed	Observations
1140	67.8	7.61	1068	103	7.8	
1142	66.9	7.21	1075	77	15.6	
1144	66.7	7.19	1080	66	23.4	

Did well dewater? Yes (No) Gallons actually evacuated: 23.4

Sampling Date: 5/27/09 Sampling Time: 1150 Depth to Water: 13.39

Sample I.D.: E-4 Laboratory: (CalScience) Columbia Other_____

Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) Other: see COC

EB I.D. (if applicable): @ Time Duplicate I.D. (if applicable):

Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) Other:

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV

APPENDIX D

BLAINE TECH SERVICES, INC.

FIELD PROCEDURES

BLAINE
TECH SERVICES INC.

GROUNDWATER SAMPLING SPECIALISTS
SINCE 1985

June 16, 2009

Carol Campagna
HSE – Environmental Services
Shell Oil Products US
20945 South Wilmington Avenue
Carson, CA 90810

Second Quarter 2009 Groundwater Monitoring at
Shell-branded Service Station
1705 Berryessa Road
San Jose, CA

Monitoring performed on May 27, 2009

Groundwater Monitoring Report **090527-JO-1**

This report covers the routine monitoring of groundwater wells at this Shell-branded facility. In accordance with standard procedures that conform to Regional Water Quality Control Board requirements, routine field data collection includes depth to water, total well depth, thickness of any separate immiscible layer, water column volume, calculated purge volume (if applicable), elapsed evacuation time (if applicable), total volume of water removed (if applicable), and standard water parameter instrument readings. Sample material is collected, contained, stored, and transported to the laboratory in conformance with EPA standards. Purgewater (if applicable) is, likewise, collected and transported to the Martinez Refining Company.

Basic field information is presented alongside analytical values excerpted from the laboratory report in the cumulative table of **WELL CONCENTRATIONS**. The full analytical report for the most recent samples and the field data sheets are attached to this report.

At a minimum, Blaine Tech Services, Inc. field personnel are certified on completion of a forty-hour Hazardous Materials and Emergency Response training course per 29 CFR 1910.120. Field personnel are also enrolled in annual eight-hour refresher courses.

Blaine Tech Services, Inc. conducts sampling and documentation assignments of this type as an independent third party. Our activities at this site consisted of objective data and sample collection only. No interpretation of analytical results, defining of hydrological conditions or formulation of recommendations was performed.

Please call if you have any questions.

Yours truly,

Mike Ninokata
Project Manager

MN/tm

attachments: Cumulative Table of WELL CONCENTRATIONS
Certified Analytical Report
Field Data Sheets

cc: Regina Bussard
Delta Environmental
175 Bernal Rd., Suite 200
San Jose, CA 95119

BLAINE TECH SERVICES, INC.
METHODS AND PROCEDURES
FOR THE ROUTINE MONITORING OF
GROUNDWATER WELLS AT SHELL SITES

Blaine Tech Services, Inc. performs environmental sampling and documentation as an independent third party. We specialize in groundwater monitoring assignments and intentionally limit the scope of our services to those centered on the generation of objective information.

To avoid conflicts of interest, Blaine Tech Services, Inc. personnel do not evaluate or interpret the information we collect. As a state licensed contractor (C-57 well drilling –water – 746684) performing strictly technical services, we do not make any professional recommendations and perform no consulting of any kind.

SAMPLING PROCEDURES OVERVIEW

SAFETY

All groundwater monitoring assignments performed for Shell comply with Shell's safety guidelines, 29 CFR 1910.120 and SB-198 Injury and Illness Prevention Program (IIPP). All Field Technicians receive the full 40-hour 29CFR 1910.120 OSHA SARA HAZWOPER course, medical clearance and on-the-job training prior to commencing any work on any Shell site.

INSPECTION AND GAUGING

Wells are inspected prior to evacuation and sampling. The condition of the wellhead is checked and noted according to a wellhead inspection checklist.

Standard measurements include the depth to water (DTW) and the total well depth (TD) obtained with industry standard electronic water level indicators that are graduated in increments of hundredths of a foot.

The water in each well is inspected for the presence of immiscibles. When free product is suspected, its presence is confirmed using an electronic interface probe (e.g. MMC). No samples are collected from a well containing over two-hundredths of a foot (0.02') of product.

EVACUATION

Depth to water measurements are collected by our personnel prior to purging and minimum purge volumes are calculated anew for each well based on the height of the water column and the diameter of the well. Expected purge volumes are never less than three case volumes and are set at no less than four case volumes in some jurisdictions.

Well purging devices are selected on the basis of the well diameter and the total volume to be evacuated. In most cases the well will be purged using an electric submersible pump (i.e. Grundfos) suspended near (but not touching) the bottom of the well.

PARAMETER STABILIZATION

Well purging completion standards include minimum purge volumes, but additionally require stabilization of specific groundwater parameters prior to sample collection. Typical groundwater parameters used to measure stability are electrical conductivity, pH, and temperature. Instrument readings are obtained at regular intervals during the evacuation process (no less than once per case volume).

Stabilization standards for routine quarterly monitoring of fuel sites include the following: Temperature is considered to have stabilized when successive readings do not fluctuate more than +/- 1 degree Celsius. Electrical conductivity is considered stable when successive readings are within 10%. pH is considered to be stable when successive readings remain constant or vary no more than 0.2 of a pH unit.

DEWATERED WELLS

Normal evacuation removes no less than three case volumes of water from the well. However, less water may be removed in cases where the well dewaters and does not immediately recharge.

MEASURING RECHARGE

Upon completion of well purging, a depth to water measurement is collected and notated to ensure that the well has recharged to within 80% of its static, pre-purge level prior to sampling.

Wells that do not immediately show 80% recharge or dewatered wells will be allowed a minimum of 2 hours to recharge prior to sampling. The water level at time of sampling will be noted.

PURGEWATER CONTAINMENT

All non-hazardous purgewater evacuated from each groundwater monitoring well is captured and contained in on-board storage tanks on the Sampling Vehicle and/or special water hauling trailers. Effluent from the decontamination of reusable apparatus (sounders, electric pumps and hoses etc.), consisting of groundwater combined with deionized water and non-phosphate soap, is also captured and pumped into effluent tanks.

Non-hazardous purgewater is transported under standard Bill of Lading documentation to a Blaine Tech Services, Inc. facility before being transported to a Shell approved disposal facility.

SAMPLE COLLECTION DEVICES

All samples are collected using a stainless steel, Teflon or disposable bailers.

SAMPLE CONTAINERS

Sample material is decanted directly from the sampling bailer into sample containers provided by the laboratory that will analyze the samples. The transfer of sample material from the bailer to the sample container conforms to specifications contained in the USEPA T.E.G.D. The type of sample container, material of construction, method of closure and filling requirements are specific to the intended analysis. Chemicals needed to preserve the sample material are commonly placed inside the sample containers by the laboratory or glassware vendor prior to delivery of the bottle to our personnel. The laboratory sets the number of replicate containers.

TRIP BLANKS

Trip Blanks, if requested, are taken to the site and kept inside the sample cooler for the duration of the event. They are turned over to the laboratory for analysis with the samples from that site.

DUPLICATES

Duplicates, if requested, may be collected at a site. The Field Technician uses their discretion in choosing the well at which the Duplicate is collected, typically one suspected of containing measurable contaminants. The Duplicate sample is labeled "DUP" and the time of collection is omitted from the COC, thus rendering the sample blind.

SAMPLE STORAGE

All sample containers are promptly placed in food grade ice chests for storage in the field and transport (direct or via our facility) to the designated analytical laboratory. These ice chests contain quantities of restaurant grade ice as a refrigerant material. The samples are maintained in either an ice chest or a refrigerator until relinquished into the custody of the laboratory or laboratory courier.

DOCUMENTATION CONVENTIONS

A label must be affixed to all sample containers. In most cases these labels are generated by our office personnel and are partially preprinted. Labels can also be hand written by our field personnel. The site is identified with the store number and site address, as is the particular groundwater well from which the sample is drawn (e.g. MW-1, MW-2, S-1 etc.). The time and date of sample collection along with the initials of the person who collects the sample are handwritten onto the label.

Chain of Custody records are created using client specific preprinted forms following USEPA specifications.

Bill of Lading records are contemporaneous records created in the field at the site where the non-hazardous purgewater is generated. Field Technicians use preprinted Bill of Lading forms.

DECONTAMINATION

All equipment is brought to the site in clean and serviceable condition and is cleaned after use in each well and before subsequent use in any other well. Equipment is decontaminated before leaving the site.

The primary decontamination device is a commercial steam cleaner. The steam cleaner is de-tuned to function as a hot pressure washer that is then operated with high quality deionized water that is produced at our facility and stored onboard our sampling vehicle. Cleaning is facilitated by the use of proprietary fixtures and devices included in the patented workstation (U.S. Patent 5,535,775) that is incorporated in each sampling vehicle. The steam cleaner is used to decon reels, pumps and bailers.

Any sensitive equipment or parts (i.e. Dissolved Oxygen sensor membrane, water level indicator, etc.) that cannot be washed using the high pressure water, will be sprayed with a non-phosphate soap and deionized water solution and rinsed with deionized water.

DISSOLVED OXYGEN READINGS

Dissolved Oxygen readings are taken pre- and/or post-purge using YSI meters (e.g. YSI Model 54, 58 or 95) or HACH field test kits.

The YSI meters are equipped with a stirring device that enables them to collect accurate in-situ readings. The probe/stirring devices are modified to allow downhole measurements to be taken from wells with diameters as small as two inches. The probe and reel is decontaminated between wells as described above. The meter is calibrated between wells as per the instructions in the operating manual. The probe and stirrer is lowered into the water column. The reading is allowed to stabilize prior to collection.

OXYIDATON REDUCTION POTENTIAL READINGS

All readings are obtained with either Corning or Myron-L meters (e.g. Corning ORP-65 or a Myron-L Ultrameter GP). The meter is cleaned between wells as described above. The meter is calibrated at the start of each day according to the instruction manual.

FERROUS IRON MEASUREMENTS

All field measurements are collected at time of sampling with a HACH test kit.

APPENDIX E

LABORATORY REPORT AND CHAIN-OF-CUSTODY DOCUMENTATION

Calscience Environmental Laboratories, Inc.

June 11, 2009

Michael Ninokata
Blaine Tech Services, Inc.
1680 Rogers Avenue
San Jose, CA 95112-1105

Subject: **Calscience Work Order No.: 09-05-2502**
Client Reference: 1705 Berryessa Rd., San Jose, CA

Dear Client:

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received 5/29/2009 and analyzed in accordance with the attached chain-of-custody.

Unless otherwise noted, all analytical testing was accomplished in accordance with the guidelines established in our Quality Systems Manual, applicable standard operating procedures, and other related documentation. The original report of subcontracted analysis, if any, is provided herein, and follows the standard Calscience data package. The results in this analytical report are limited to the samples tested and any reproduction thereof must be made in its entirety.

If you have any questions regarding this report, please do not hesitate to contact the undersigned.

Sincerely,

Philip Samelle for

Calscience Environmental
Laboratories, Inc.
Jessie Lee
Project Manager

Calscience Environmental Laboratories, Inc.

Analytical Report

Blaine Tech Services, Inc.		Date Received:	05/29/09
1680 Rogers Avenue		Work Order No:	09-05-2502
San Jose, CA 95112-1105		Preparation:	EPA 5030B
		Method:	LUFT GC/MS / EPA 8260B
		Units:	ug/L

Project: 1705 Berryessa Rd., San Jose, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-1	**09-05-2502-1-A**	**05/27/09 15:55**	**Aqueous**	**GC/MS UU**	**06/06/09**	**06/07/09 02:49**	**090606L02**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.50	1		Methyl-t-Butyl Ether (MTBE)	ND	1.0	1	
Ethylbenzene	ND	1.0	1		Tert-Butyl Alcohol (TBA)	ND	10	1	
Toluene	ND	1.0	1		TPPH	ND	50	1	
Xylenes (total)	ND	1.0	1						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	105	74-140		1,2-Dichloroethane-d4	116	74-146	
Toluene-d8	99	88-112		Toluene-d8-TPPH	99	88-112	
1,4-Bromofluorobenzene	82	74-110					

MW-2A	**09-05-2502-2-A**	**05/27/09 12:35**	**Aqueous**	**GC/MS UU**	**06/05/09**	**06/06/09 05:12**	**090605L02**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.50	1		Methyl-t-Butyl Ether (MTBE)	ND	1.0	1	
Ethylbenzene	ND	1.0	1		Tert-Butyl Alcohol (TBA)	ND	10	1	
Toluene	ND	1.0	1		TPPH	570	50	1	
Xylenes (total)	ND	1.0	1						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	105	74-140		1,2-Dichloroethane-d4	116	74-146	
Toluene-d8	105	88-112		Toluene-d8-TPPH	105	88-112	
1,4-Bromofluorobenzene	82	74-110					

MW-2B	**09-05-2502-3-A**	**05/27/09 12:55**	**Aqueous**	**GC/MS UU**	**06/05/09**	**06/06/09 05:39**	**090605L02**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.50	1		Methyl-t-Butyl Ether (MTBE)	ND	1.0	1	
Ethylbenzene	ND	1.0	1		Tert-Butyl Alcohol (TBA)	ND	10	1	
Toluene	ND	1.0	1		TPPH	ND	50	1	
Xylenes (total)	ND	1.0	1						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	109	74-140		1,2-Dichloroethane-d4	118	74-146	
Toluene-d8	98	88-112		Toluene-d8-TPPH	97	88-112	
1,4-Bromofluorobenzene	84	74-110					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

Blaine Tech Services, Inc.		Date Received:	05/29/09
1680 Rogers Avenue		Work Order No:	09-05-2502
San Jose, CA 95112-1105		Preparation:	EPA 5030B
		Method:	LUFT GC/MS / EPA 8260B
		Units:	ug/L

Project: 1705 Berryessa Rd., San Jose, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-3	**09-05-2502-4-A**	**05/27/09 13:15**	**Aqueous**	**GC/MS UU**	**06/05/09**	**06/06/09 06:06**	**090605L02**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.50	1		Methyl-t-Butyl Ether (MTBE)	51	1.0	1	
Ethylbenzene	ND	1.0	1		Tert-Butyl Alcohol (TBA)	ND	10	1	
Toluene	ND	1.0	1		TPPH	74	50	1	
Xylenes (total)	ND	1.0	1						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	108	74-140		1,2-Dichloroethane-d4	119	74-146	
Toluene-d8	99	88-112		Toluene-d8-TPPH	99	88-112	
1,4-Bromofluorobenzene	84	74-110					

MW-4	**09-05-2502-5-A**	**05/27/09 16:20**	**Aqueous**	**GC/MS UU**	**06/05/09**	**06/06/09 06:33**	**090605L02**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.50	1		Methyl-t-Butyl Ether (MTBE)	ND	1.0	1	
Ethylbenzene	ND	1.0	1		Tert-Butyl Alcohol (TBA)	ND	10	1	
Toluene	ND	1.0	1		TPPH	ND	50	1	
Xylenes (total)	ND	1.0	1						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	101	74-140		1,2-Dichloroethane-d4	111	74-146	
Toluene-d8	98	88-112		Toluene-d8-TPPH	98	88-112	
1,4-Bromofluorobenzene	82	74-110					

MW-5	**09-05-2502-6-A**	**05/27/09 16:10**	**Aqueous**	**GC/MS UU**	**06/05/09**	**06/06/09 07:00**	**090605L02**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.50	1		Methyl-t-Butyl Ether (MTBE)	ND	1.0	1	
Ethylbenzene	ND	1.0	1		Tert-Butyl Alcohol (TBA)	ND	10	1	
Toluene	ND	1.0	1		TPPH	ND	50	1	
Xylenes (total)	ND	1.0	1						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	104	74-140		1,2-Dichloroethane-d4	113	74-146	
Toluene-d8	101	88-112		Toluene-d8-TPPH	101	88-112	
1,4-Bromofluorobenzene	82	74-110					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

Blaine Tech Services, Inc.		Date Received:	05/29/09
1680 Rogers Avenue		Work Order No:	09-05-2502
San Jose, CA 95112-1105		Preparation:	EPA 5030B
		Method:	LUFT GC/MS / EPA 8260B
		Units:	ug/L

Project: 1705 Berryessa Rd., San Jose, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-6	**09-05-2502-7-A**	**05/27/09 16:10**	**Aqueous**	**GC/MS UU**	**06/05/09**	**06/06/09 07:27**	**090605L02**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.50	1		Methyl-t-Butyl Ether (MTBE)	19	1.0	1	
Ethylbenzene	ND	1.0	1		Tert-Butyl Alcohol (TBA)	ND	10	1	
Toluene	ND	1.0	1		TPPH	ND	50	1	
Xylenes (total)	ND	1.0	1						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	106	74-140		1,2-Dichloroethane-d4	116	74-146	
Toluene-d8	101	88-112		Toluene-d8-TPPH	101	88-112	
1,4-Bromofluorobenzene	84	74-110					

MW-6D	**09-05-2502-8-A**	**05/27/09 11:05**	**Aqueous**	**GC/MS UU**	**06/05/09**	**06/06/09 07:54**	**090605L02**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.50	1		Methyl-t-Butyl Ether (MTBE)	ND	1.0	1	
Ethylbenzene	ND	1.0	1		Tert-Butyl Alcohol (TBA)	ND	10	1	
Toluene	ND	1.0	1		TPPH	ND	50	1	
Xylenes (total)	ND	1.0	1						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	112	74-140		1,2-Dichloroethane-d4	118	74-146	
Toluene-d8	100	88-112		Toluene-d8-TPPH	100	88-112	
1,4-Bromofluorobenzene	84	74-110					

MW-7A	**09-05-2502-9-A**	**05/27/09 14:15**	**Aqueous**	**GC/MS UU**	**06/05/09**	**06/06/09 08:21**	**090605L02**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.50	1		Methyl-t-Butyl Ether (MTBE)	ND	1.0	1	
Ethylbenzene	ND	1.0	1		Tert-Butyl Alcohol (TBA)	ND	10	1	
Toluene	ND	1.0	1		TPPH	ND	50	1	
Xylenes (total)	ND	1.0	1						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	104	74-140		1,2-Dichloroethane-d4	116	74-146	
Toluene-d8	98	88-112		Toluene-d8-TPPH	98	88-112	
1,4-Bromofluorobenzene	83	74-110					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

Blaine Tech Services, Inc.		Date Received:	05/29/09
1680 Rogers Avenue		Work Order No:	09-05-2502
San Jose, CA 95112-1105		Preparation:	EPA 5030B
		Method:	LUFT GC/MS / EPA 8260B
		Units:	ug/L

Project: 1705 Berryessa Rd., San Jose, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-7B	**09-05-2502-10-A**	**05/27/09 14:15**	**Aqueous**	**GC/MS UU**	**06/06/09**	**06/07/09 07:19**	**090606L02**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.50	1		Methyl-t-Butyl Ether (MTBE)	ND	1.0	1	
Ethylbenzene	ND	1.0	1		Tert-Butyl Alcohol (TBA)	ND	10	1	
Toluene	ND	1.0	1		TPPH	ND	50	1	
Xylenes (total)	ND	1.0	1						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	110	74-140		1,2-Dichloroethane-d4	117	74-146	
Toluene-d8	98	88-112		Toluene-d8-TPPH	98	88-112	
1,4-Bromofluorobenzene	83	74-110					

E-1	**09-05-2502-11-A**	**05/27/09 15:55**	**Aqueous**	**GC/MS UU**	**06/06/09**	**06/07/09 07:46**	**090606L02**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.50	1		Methyl-t-Butyl Ether (MTBE)	ND	1.0	1	
Ethylbenzene	ND	1.0	1		Tert-Butyl Alcohol (TBA)	ND	10	1	
Toluene	ND	1.0	1		TPPH	ND	50	1	
Xylenes (total)	ND	1.0	1						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	103	74-140		1,2-Dichloroethane-d4	115	74-146	
Toluene-d8	100	88-112		Toluene-d8-TPPH	99	88-112	
1,4-Bromofluorobenzene	83	74-110					

E-2	**09-05-2502-12-A**	**05/27/09 13:30**	**Aqueous**	**GC/MS UU**	**06/06/09**	**06/07/09 08:13**	**090606L02**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.50	1		Methyl-t-Butyl Ether (MTBE)	26	1.0	1	
Ethylbenzene	ND	1.0	1		Tert-Butyl Alcohol (TBA)	ND	10	1	
Toluene	ND	1.0	1		TPPH	ND	50	1	
Xylenes (total)	ND	1.0	1						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	106	74-140		1,2-Dichloroethane-d4	120	74-146	
Toluene-d8	98	88-112		Toluene-d8-TPPH	98	88-112	
1,4-Bromofluorobenzene	84	74-110					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

Blaine Tech Services, Inc.		Date Received:	05/29/09
1680 Rogers Avenue		Work Order No:	09-05-2502
San Jose, CA 95112-1105		Preparation:	EPA 5030B
		Method:	LUFT GC/MS / EPA 8260B
		Units:	ug/L

Project: 1705 Berryessa Rd., San Jose, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
E-3	**09-05-2502-13-A**	**05/27/09 12:10**	**Aqueous**	**GC/MS UU**	**06/06/09**	**06/07/09 08:40**	**090606L02**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.50	1		Methyl-t-Butyl Ether (MTBE)	ND	1.0	1	
Ethylbenzene	ND	1.0	1		Tert-Butyl Alcohol (TBA)	ND	10	1	
Toluene	ND	1.0	1		TPPH	ND	50	1	
Xylenes (total)	ND	1.0	1						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	96	74-140		1,2-Dichloroethane-d4	106	74-146	
Toluene-d8	99	88-112		Toluene-d8-TPPH	99	88-112	
1,4-Bromofluorobenzene	85	74-110					

E-4	**09-05-2502-14-A**	**05/27/09 11:50**	**Aqueous**	**GC/MS UU**	**06/06/09**	**06/07/09 09:07**	**090606L02**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.50	1		Methyl-t-Butyl Ether (MTBE)	ND	1.0	1	
Ethylbenzene	ND	1.0	1		Tert-Butyl Alcohol (TBA)	ND	10	1	
Toluene	ND	1.0	1		TPPH	ND	50	1	
Xylenes (total)	ND	1.0	1						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	105	74-140		1,2-Dichloroethane-d4	118	74-146	
Toluene-d8	98	88-112		Toluene-d8-TPPH	98	88-112	
1,4-Bromofluorobenzene	84	74-110					

Method Blank	**099-12-767-1,930**	**N/A**	**Aqueous**	**GC/MS UU**	**06/05/09**	**06/06/09 02:03**	**090605L02**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.50	1		Methyl-t-Butyl Ether (MTBE)	ND	1.0	1	
Ethylbenzene	ND	1.0	1		Tert-Butyl Alcohol (TBA)	ND	10	1	
Toluene	ND	1.0	1		TPPH	ND	50	1	
Xylenes (total)	ND	1.0	1						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	114	74-140		1,2-Dichloroethane-d4	120	74-146	
Toluene-d8	98	88-112		Toluene-d8-TPPH	97	88-112	
1,4-Bromofluorobenzene	83	74-110					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

Blaine Tech Services, Inc.		Date Received:	05/29/09
1680 Rogers Avenue		Work Order No:	09-05-2502
San Jose, CA 95112-1105		Preparation:	EPA 5030B
		Method:	LUFT GC/MS / EPA 8260B
		Units:	ug/L

Project: 1705 Berryessa Rd., San Jose, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-767-1,937**	**N/A**	**Aqueous**	**GC/MS UU**	**06/06/09**	**06/07/09 02:22**	**090606L02**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.50	1		Methyl-t-Butyl Ether (MTBE)	ND	1.0	1	
Ethylbenzene	ND	1.0	1		Tert-Butyl Alcohol (TBA)	ND	10	1	
Toluene	ND	1.0	1		TPPH	ND	50	1	
Xylenes (total)	ND	1.0	1						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	104	74-140		1,2-Dichloroethane-d4	108	74-146	
Toluene-d8	98	88-112		Toluene-d8-TPPH	97	88-112	
1,4-Bromofluorobenzene	84	74-110					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

Blaine Tech Services, Inc.
1680 Rogers Avenue
San Jose, CA 95112-1105

Date Received: 05/29/09
Work Order No: 09-05-2502
Preparation: EPA 5030B
Method: LUFT GC/MS / EPA 8260B

Project 1705 Berryessa Rd., San Jose, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
09-05-2348-2	**Aqueous**	**GC/MS UU**	**06/05/09**	**06/06/09**	**090605S02**

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	100	100	88-118	1	0-7	
Carbon Tetrachloride	103	99	67-145	4	0-11	
Chlorobenzene	100	99	88-118	1	0-7	
1,2-Dibromoethane	101	104	70-130	3	0-30	
1,2-Dichlorobenzene	101	101	86-116	0	0-8	
1,1-Dichloroethene	103	102	70-130	1	0-25	
Ethylbenzene	109	108	70-130	1	0-30	
Toluene	104	102	87-123	2	0-8	
Trichloroethene	93	91	79-127	2	0-10	
Vinyl Chloride	91	91	69-129	0	0-13	
Methyl-t-Butyl Ether (MTBE)	102	104	71-131	2	0-13	
Tert-Butyl Alcohol (TBA)	89	80	36-168	1	0-45	
Diisopropyl Ether (DIPE)	95	98	81-123	3	0-9	
Ethyl-t-Butyl Ether (ETBE)	98	95	72-126	3	0-12	
Tert-Amyl-Methyl Ether (TAME)	102	104	72-126	2	0-12	
Ethanol	89	89	53-149	0	0-31	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

Blaine Tech Services, Inc.
1680 Rogers Avenue
San Jose, CA 95112-1105

Date Received: 05/29/09
Work Order No: 09-05-2502
Preparation: EPA 5030B
Method: LUFT GC/MS / EPA 8260B

Project 1705 Berryessa Rd., San Jose, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
MW-1	**Aqueous**	**GC/MS UU**	**06/06/09**	**06/07/09**	**090606S02**

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	100	102	88-118	2	0-7	
Carbon Tetrachloride	106	104	67-145	2	0-11	
Chlorobenzene	102	102	88-118	0	0-7	
1,2-Dibromoethane	103	103	70-130	0	0-30	
1,2-Dichlorobenzene	102	104	86-116	2	0-8	
1,1-Dichloroethene	105	104	70-130	1	0-25	
Ethylbenzene	112	111	70-130	1	0-30	
Toluene	104	105	87-123	1	0-8	
Trichloroethene	93	94	79-127	2	0-10	
Vinyl Chloride	93	94	69-129	1	0-13	
Methyl-t-Butyl Ether (MTBE)	101	102	71-131	2	0-13	
Tert-Butyl Alcohol (TBA)	95	97	36-168	2	0-45	
Diisopropyl Ether (DIPE)	97	100	81-123	4	0-9	
Ethyl-t-Butyl Ether (ETBE)	95	92	72-126	3	0-12	
Tert-Amyl-Methyl Ether (TAME)	100	102	72-126	2	0-12	
Ethanol	93	92	53-149	1	0-31	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

Blaine Tech Services, Inc.
1680 Rogers Avenue
San Jose, CA 95112-1105

Date Received: N/A
Work Order No: 09-05-2502
Preparation: EPA 5030B
Method: LUFT GC/MS / EPA 8260B

Project: 1705 Berryessa Rd., San Jose, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-767-1,930	**Aqueous**	**GC/MS UU**	**06/05/09**	**06/06/09**	**090605L02**

Parameter	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
Benzene	100	102	84-120	78-126	2	0-8	
Carbon Tetrachloride	101	103	63-147	49-161	3	0-10	
Chlorobenzene	100	102	89-119	84-124	2	0-7	
1,2-Dibromoethane	103	106	80-120	73-127	3	0-20	
1,2-Dichlorobenzene	103	105	89-119	84-124	2	0-9	
1,1-Dichloroethene	102	105	77-125	69-133	3	0-16	
Ethylbenzene	109	111	80-120	73-127	2	0-20	
Toluene	103	106	83-125	76-132	3	0-9	
Trichloroethene	94	96	89-119	84-124	2	0-8	
Vinyl Chloride	93	94	63-135	51-147	1	0-13	
Methyl-t-Butyl Ether (MTBE)	106	110	82-118	76-124	4	0-13	
Tert-Butyl Alcohol (TBA)	90	88	46-154	28-172	2	0-32	
Diisopropyl Ether (DIPE)	103	104	81-123	74-130	0	0-11	
Ethyl-t-Butyl Ether (ETBE)	99	106	74-122	66-130	8	0-12	
Tert-Amyl-Methyl Ether (TAME)	105	109	76-124	68-132	3	0-10	
Ethanol	78	78	60-138	47-151	1	0-32	
TPPH	96	102	65-135	53-147	6	0-30	

Total number of LCS compounds : 17
Total number of ME compounds : 0
Total number of ME compounds allowed : 1
LCS ME CL validation result : Pass

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

Blaine Tech Services, Inc.		Date Received:	N/A
1680 Rogers Avenue		Work Order No:	09-05-2502
San Jose, CA 95112-1105		Preparation:	EPA 5030B
		Method:	LUFT GC/MS / EPA 8260B

Project: 1705 Berryessa Rd., San Jose, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-767-1,937	**Aqueous**	**GC/MS UU**	**06/06/09**	**06/07/09**	**090606L02**

Parameter	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
Benzene	99	99	84-120	78-126	0	0-8	
Carbon Tetrachloride	103	99	63-147	49-161	4	0-10	
Chlorobenzene	100	98	89-119	84-124	2	0-7	
1,2-Dibromoethane	103	100	80-120	73-127	3	0-20	
1,2-Dichlorobenzene	99	100	89-119	84-124	1	0-9	
1,1-Dichloroethene	102	101	77-125	69-133	1	0-16	
Ethylbenzene	109	106	80-120	73-127	3	0-20	
Toluene	104	103	83-125	76-132	1	0-9	
Trichloroethene	98	93	89-119	84-124	5	0-8	
Vinyl Chloride	93	93	63-135	51-147	0	0-13	
Methyl-t-Butyl Ether (MTBE)	104	104	82-118	76-124	0	0-13	
Tert-Butyl Alcohol (TBA)	86	86	46-154	28-172	0	0-32	
Diisopropyl Ether (DIPE)	99	99	81-123	74-130	0	0-11	
Ethyl-t-Butyl Ether (ETBE)	94	100	74-122	66-130	6	0-12	
Tert-Amyl-Methyl Ether (TAME)	102	105	76-124	68-132	3	0-10	
Ethanol	84	81	60-138	47-151	5	0-32	
TPPH	92	95	65-135	53-147	2	0-30	

Total number of LCS compounds : 17
Total number of ME compounds : 0
Total number of ME compounds allowed : 1
LCS ME CL validation result : Pass

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Glossary of Terms and Qualifiers

Work Order Number: 09-05-2502

Qualifier	Definition
*	See applicable analysis comment.
1	Surrogate compound recovery was out of control due to a required sample dilution, therefore, the sample data was reported without further clarification.
2	Surrogate compound recovery was out of control due to matrix interference. The associated method blank surrogate spike compound was in control and, therefore, the sample data was reported without further clarification.
3	Recovery of the Matrix Spike (MS) or Matrix Spike Duplicate (MSD) compound was out of control due to matrix interference. The associated LCS and/or LCSD was in control and, therefore, the sample data was reported without further clarification.
4	The MS/MSD RPD was out of control due to matrix interference. The LCS/LCSD RPD was in control and, therefore, the sample data was reported without further clarification.
5	The PDS/PDSD associated with this batch of samples was out of control due to a matrix interference effect. The associated batch LCS/LCSD was in control and, hence, the associated sample data was reported with no further corrective action required.
A	Result is the average of all dilutions, as defined by the method.
B	Analyte was present in the associated method blank.
C	Analyte presence was not confirmed on primary column.
E	Concentration exceeds the calibration range.
H	Sample received and/or analyzed past the recommended holding time.
J	Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.
ME	LCS Recovery Percentage is within LCS ME Control Limit range.
N	Nontarget Analyte.
ND	Parameter not detected at the indicated reporting limit.
Q	Spike recovery and RPD control limits do not apply resulting from the parameter concentration in the sample exceeding the spike concentration by a factor of four or greater.
U	Undetected at the laboratory method detection limit.
X	% Recovery and/or RPD out-of-range.
Z	Analyte presence was not confirmed by second column or GC/MS analysis.
	Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture.

Shell Oil Products Chain Of Custody Record

LAB (LOCATION)
- [x] CALSCIENCE (_____)
- [ ] SPL (_____)
- [ ] XENCO (_____)
- [ ] TEST AMERICA (_____)
- [ ] OTHER (_____)

Please Check Appropriate Box:
- [x] ENV. SERVICES
- [ ] MOTIVA RETAIL
- [ ] SHELL RETAIL
- [ ] MOTIVA SD&CM
- [ ] CONSULTANT
- [ ] LUBES
- [ ] SHELL PIPELINE
- [ ] OTHER _____

Print Bill To Contact Name: Carol Campagna

INCIDENT # (ENV SERVICES): 9 8 9 9 6 0 6 0

[ ] CHECK IF NO INCIDENT # APPLIES

DATE: 5/27/09

PAGE: 1 of 2

PO # | SAP #

SAMPLING COMPANY: Blaine Tech Services

LOG CODE: BTSS

SITE ADDRESS: Street and City: 1705 Berryessa Rd., San Jose

State: CA

GLOBAL ID NO: T0608502428

ADDRESS: 1680 Rogers Ave, San Jose, CA 95112

EDF DELIVERABLE TO (Name, Company, Office Location): Angela Plco, Delta, San Jose Office

PHONE NO: 408.826.1862

E-MAIL: aplco@deltaenv.com

CONSULTANT PROJECT NO: 090527-J01

BTS #

PROJECT CONTACT (Hardcopy or PDF Report to): Michael Ninokata

TELEPHONE: (408)573-0555

FAX: (408)573-7771

E-MAIL: mninokata@blainetech.com

SAMPLER NAME(S) (Print): J. Ortiz, J. Parker

LAB USE ONLY: 09-05-2502

TURNAROUND TIME (CALENDAR DAYS):
- [x] STANDARD (14 DAY)
- [ ] 5 DAYS
- [ ] 3 DAYS
- [ ] 2 DAYS
- [ ] 24 HOURS
- [ ] RESULTS NEEDED ON WEEKEND

- [ ] LA - RWQCB REPORT FORMAT
- [ ] UST AGENCY:

SPECIAL INSTRUCTIONS OR NOTES :

CC Regina Bussard w/final report rbussard@deltaenv.com

Run TPH-d w/Silica Gel Clean Up

- [ ] SHELL CONTRACT RATE APPLIES
- [ ] STATE REIMBURSEMENT RATE APPLIES
- [ ] EDD NOT NEEDED
- [x] RECEIPT VERIFICATION REQUESTED

REQUESTED ANALYSIS

LAB USE ONLY	Field Sample Identification	SAMPLING DATE	SAMPLING TIME	MATRIX	PRESERVATIVE HCL	HNO3	H2SO4	NONE	OTHER	NO. OF CONT.	TPH - Purgeable (8260B)	TPH - Extractable (8015M)	BTEX (8260B)	5 Oxygenates (8260B)	MTBE (8260B)	TBA (8260B)	DIPE (8260B)	TAME (8260B)	ETBE (8260B)	1,2 DCA (8260B)	EDB (8260B)	Ethanol (8260B)	Methanol (8015M)	Container PID Readings or Laboratory Notes
1	MW-1	5/27	1555	W	3					3	X		X		X	X								
2	MW-2A		1235								X		X		X	X								
3	MW-2B		1255								X		X		X	X								
4	MW-3		1315								X		X		X	X								
5	MW-4		1620								X		X		X	X								
6	MW-5		1610								X		X		X	X								
7	MW-6		1610								X		X		X	X								
8	MW-6D		1105								X		X		X	X								
9	MW-7A		1415								X		X		X	X								
10	MW-7B		1415								X		X		X	X								

TEMPERATURE ON RECEIPT C°

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
	(Sample custodian)	5/27/09	1720
(Sample custodian)	CEL	5-28-09	1245
1730	CEL	5-29-09	1030

1630 5-28-09

4 50 5119 5/16 07

05/2/06 Revision

Shell Oil Products Chain Of Custody Record

LAB (LOCATION)
- [x] CALSCIENCE ( )
- [ ] SPL ( )
- [ ] XENCO ( )
- [ ] TEST AMERICA ( )
- [ ] OTHER ( )

Please Check Appropriate Box:
- [x] ENV. SERVICES
- [ ] MOTIVA RETAIL
- [ ] SHELL RETAIL
- [ ] MOTIVA SD&CM
- [ ] CONSULTANT
- [ ] LUBES
- [ ] SHELL PIPELINE
- [ ] OTHER

Print Bill To Contact Name: Carol Campagna

INCIDENT # (ENV SERVICES): 9 8 9 9 6 0 6 0

[ ] CHECK IF NO INCIDENT # APPLIES

DATE: 5/27/09

PAGE: 2 of 2

PO # | SAP #

SAMPLING COMPANY	Blaine Tech Services
LOG CODE	BTSS
ADDRESS	1680 Rogers Ave, San Jose, CA 95112
PROJECT CONTACT (Hardcopy or PDF Report to)	Michael Ninokata
TELEPHONE	(408)573-0555
FAX	(408)573-7771
E-MAIL	mninokata@blainetech.com
SITE ADDRESS: Street and City	1705 Berryessa Rd., San Jose
State	CA
GLOBAL ID NO	T0608502428
EDF DELIVERABLE TO (Name, Company, Office Location)	Angela Pico, Delta, San Jose Office
PHONE NO	408.826.1862
E-MAIL	apico@deltaenv.com
CONSULTANT PROJECT NO	090527-501
BTS #	
SAMPLER NAME(S) (Print)	J Ortiz, J. Parker
LAB USE ONLY	09-05-2502

TURNAROUND TIME (CALENDAR DAYS):
- [x] STANDARD (14 DAY)
- [ ] 5 DAYS
- [ ] 3 DAYS
- [ ] 2 DAYS
- [ ] 24 HOURS
- [ ] RESULTS NEEDED ON WEEKEND

- [ ] LA - RWQCB REPORT FORMAT
- [ ] UST AGENCY:

SPECIAL INSTRUCTIONS OR NOTES :

CC Regina Bussard w/final report rbussard@deltaenv.com

Run TPH-d w/Silica Gel Clean Up

- [ ] SHELL CONTRACT RATE APPLIES
- [ ] STATE REIMBURSEMENT RATE APPLIES
- [ ] EDD NOT NEEDED
- [x] RECEIPT VERIFICATION REQUESTED

REQUESTED ANALYSIS

LAB USE ONLY	Field Sample Identification	SAMPLING DATE	SAMPLING TIME	MATRIX	PRESERVATIVE HCL	HNO3	H2SO4	NONE	OTHER	NO. OF CONT.	TPH - Purgeable (8260B)	TPH - Extractable (8015M)	BTEX (8260B)	5 Oxygenates (8260B)	MTBE (8260B)	TBA (8260B)	DIPE (8260B)	TAME (8260B)	ETBE (8260B)	1,2 DCA (8260B)	EDB (8260B)	Ethanol (8260B)	Methanol (8015M)	Container PID Readings or Laboratory Notes
11	E-1	5/27	1555	W	3					3	X		X		X	X								
12	E-2	↓	1330	↓	↓					↓	X		X		X	X								
13	E-3		1210								X		X		X	X								
14	E-4		1150								X		X		X	X								

TEMPERATURE ON RECEIPT C°

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
	(Sample custodian)	5/27/09	1720
(Sample Custodian)	CEL	5-28-09	1245
5-28-09 1730 (GSI)	CEL	5-29-09	1030

GS0511951607

05/2/06 Revision

Calscience Environmental Laboratories, Inc.

WORK ORDER #: 09-05-2502

SAMPLE RECEIPT FORM

Cooler 1 of 1

CLIENT: Blaine Tech

DATE: 5/29/09

TEMPERATURE: (Criteria: 0.0 °C – 6.0 °C, not frozen)

Temperature 2.9 °C - 0.2 °C (CF) = 2.7 °C ☑ Blank ☐ Sample

☐ Sample(s) outside temperature criteria (PM/APM contacted by: _____).

☐ Sample(s) outside temperature criteria but received on ice/chilled on same day of sampling.

☐ **Received at ambient temperature, placed on ice for transport by Courier.**

Ambient Temperature: ☐ Air ☐ Filter ☐ Metals Only ☐ PCBs Only **Initial:** JP

CUSTODY SEALS INTACT:

☑ Cooler ☐_____ ☐ No (Not Intact) ☐ Not Present ☐ N/A **Initial:** JP

☐ Sample ☐_____ ☐ No (Not Intact) ☑ Not Present **Initial:** JP

SAMPLE CONDITION:	Yes	No	N/A
Chain-Of-Custody (COC) document(s) received with samples	☑	☐	☐
COC document(s) received complete	☑	☐	☐
☐ Collection date/time, matrix, and/or # of containers logged in based on sample labels.			
☐ COC not relinquished. ☐ No date relinquished. ☐ No time relinquished.			
Sampler's name indicated on COC	☑	☐	☐
Sample container label(s) consistent with COC	☑	☐	☐
Sample container(s) intact and good condition	☑	☐	☐
Correct containers and volume for analyses requested	☑	☐	☐
Analyses received within holding time	☑	☐	☐
Proper preservation noted on COC or sample container	☑	☐	☐
☐ Unpreserved vials received for Volatiles analysis			
Volatile analysis container(s) free of headspace	☑	☐	☐
Tedlar bag(s) free of condensation	☐	☐	☑

CONTAINER TYPE:

Solid: ☐4ozCGJ ☐8ozCGJ ☐16ozCGJ ☐Sleeve ☐EnCores® ☐TerraCores® ☐_____

Water: ☐VOA ☑VOAh ☐VOA**na$_2$** ☐125AGB ☐125AGB**h** ☐125AGB**p** ☐1AGB ☐1AGB**na$_2$** ☐1AGB**s** ☐500AGB ☐500AGJ ☐500AGJ**s** ☐250AGB ☐250CGB ☐250CGB**s** ☐1PB ☐500PB ☐500PB**na** ☐250PB ☐250PB**n** ☐125PB ☐125PB**znna** ☐100PB ☐100PB**na$_2$** ☐_____ ☐_____ ☐_____

Air: ☐Tedlar® ☐Summa® ☐_____ **Other:** ☐_____ **Checked/Labeled by:** JM

Container: C: Clear A: Amber P: Plastic G: Glass J: Jar (Wide-mouth) B: Bottle (Narrow-mouth) **Reviewed by:** T.N

Preservative: h: HCL n: HNO3 na$_2$: $Na_2S_2O_3$ Na: NaOH p: H_3PO_4 s: H_2SO_4 znna: $ZnAc_2$+NaOH f: Field-filtered **Scanned by:** T.N

July 23, 1996

Mr. Jeff Granberry
Shell Oil Company
P.O. Box 4023
Concord, CA 94524

Inouye Sadako, Trustee
2007 Admiral Place
San Jose, CA 95133-1113

Ladies and Gentlemen:

Subject: Underground Storage Tank Case Closure—Shell 1705 Berryessa Road, San Jose, CA; Case No. 19-084; Underground Storage Tank Cleanup Fund No. 5075

This letter confirms the completion of site investigation and remedial action for the underground storage tank(s) formerly located at the above-described location. Enclosed is the Case Closure Summary for the referenced site for your records.

Based upon the available information, including the current land use, and with the provision that the information provided to this agency was accurate and representative of site conditions, no further action related to the underground storage tank release is required.

This notice is issued pursuant to a regulation contained in Title 23, California Code of Regulations, Division 3, Chapter 16, Section 2721(e).

Please contact Mr. Lane Davis at the Santa Clara Valley Water District's Camden Office, (408) 927-0710, extension 2698, if you have any questions in this matter.

Sincerely,

ORIGINAL SIGNED BY

James S. Crowley, P.E.
Associate Civil Engineer
Leaking Underground Storage Tank Oversight Program

Enclosure

cc: Ms. Lori Casias (w/enc)
State Water Resources Control Board
Division of Clean Water Program
P.O. Box 944212
Sacramento, CA 94244-2120

Mr. Dan Firth
Hazardous Materials Division
San Jose Fire Department
4 North Second Street, Suite 1100
San Jose, CA 95113-1305

Mr. John West (w/enc)
Regional Water Quality Control Board
San Francisco Bay Region
2101 Webster Street, Suite 500
Oakland, CA 94612

Mr. Dave Deaner
Division of Clean Water Programs
Underground Storage Tank Cleanup Fund
State Water Resources Control Board
P.O. Box 944212
Sacramento, CA 94244-2120

J. Crowley, L. Davis (w/original enc), Database (enc)

LD:lcg:FL9482ws

July 9, ~~1996~~ 7/23/96

Mr. John West
Regional Water Quality Control Board
2101 Webster Street, Suite 500
Oakland, CA 94612

Dear Mr. West:

Subject: Request for Case Closure Concurrence—Underground Storage Tank Program Case No. 19-084, Shell, 1705 Berryessa Road, San Jose, CA

This requests your concurrence on case closure for the subject fuel leak case. Enclosed for your review is a case closure summary. Please provide comment to the Santa Clara Valley Water District (District) casehandler within 30 days from the receipt of this letter. If we have not received comment from you within that time frame, the District will issue a case closure letter for the subject case.

As you know, the District has entered into agreement with the State Water Resources Control Board to provide regulatory oversight for leaking underground fuel storage tanks. The terms of the agreement require the District to issue case closure letters after appropriate remediation for cases where soil and/or groundwater has been impacted. District evaluation of case closure is consistent with the San Francisco Bay Region, Regional Water Quality Control Board Water Quality Control Plan (Basin Plan) requirements and guidance.

Please contact Mr. Lane Davis at the Camden Office, (408) 927-0710, extension 2698, with any questions or comments that arise as you proceed with review of this proposed case closure.

Sincerely,

ORIGINAL SIGNED BY

James S. Crowley, P.E.
Associate Civil Engineer
Leaking Underground Storage Tank Oversight Program

Enclosure

cc: Mr. Dan Firth
Hazardous Materials Division
San Jose Fire Department
4 North Second Street, Suite 1100
San Jose, CA 95113-1305

J. Crowley, Database, L. Davis (w/original enc)

LD:fd:FL9484gj

CASE CLOSURE SUMMARY
LEAKING UNDERGROUND FUEL STORAGE TANK PROGRAM

Santa Clara Valley Water District

I. AGENCY INFORMATION

Date: July 8, 1996

Agency Name: Santa Clara Valley Water District	Address: 5750 Almaden Expressway
City/State/Zip: San Jose, CA 95118	Phone: (408) 265-2600
Responsible Staff Person: Lane R. Davis	Title: Assistant Engineer

II. CASE INFORMATION

Site Facility Name: Shell		
Site Facility Address: 1705 Berryessa Road, San Jose, CA		
RB LUSTIS Case No.: —	Local Case No.: 06S1E33D01f	LOP Case No.: 19-084
URF Filing Date: —	SWEEPS No.: —	APN No.: 241-21-068

Responsible Parties	Addresses	Phone Numbers
Mr. Jeff Granberry Shell Oil Company	P.O. Box 4023 Concord, CA 94524	(510) 675-6168
Inouye Sadako, Trustee	2007 Admiral Place San Jose, CA 95133-1113	Unknown

Tank I.D. No	Size in Gallons	Contents	Closed In-Place/Removed?	Date
1, 2, 3	8,000	Gasoline	Removed	07/14/87
4	500	Waste oil	Removed	07/87
5, 6, 7	12,000	Gasoline	Existing	—
Piping			Replaced	07/87

III. RELEASE AND SITE CHARACTERIZATION INFORMATION

Cause and Type of Release: Unknown		
Site characterization complete? Yes	Date Approved By Oversight Agency: —	
Monitoring wells installed? Yes	Number: 3	Proper screened interval? Yes
Highest GW Depth Below Ground Surface: 10.5	Lowest Depth: 21	Flow Direction: Northwest
Most Sensitive Current Use: Potential drinking water		

Summary of Production Wells in Vicinity: Four wells are located crossgradient to downgradient within ¼ mile. One well is used for groundwater extraction and treatment of the shallow aquifer at a site across the street (Chevron, 1715 Berryessa, 06S1E33D02f). The three remaining wells are reported to be properly destroyed and are not considered to be likely receptors.	
Are drinking water wells affected? No	Aquifer Name: Santa Clara Valley Groundwater Basin
Is surface water affected? No	Nearest SW Name: Penitencia Creek, 600 feet southwest
Off-Site Beneficial Use Impacts (Addresses/Locations): None	
Reports on file? Yes	Where are reports filed? Santa Clara Valley Water District

TREATMENT AND DISPOSAL OF AFFECTED MATERIAL

Material	Amount (Include Units)	Action (Treatment or Disposal w/Destination)	Date
Tank	Four steel	Disposal, destination not reported	07/87
Piping	Not reported	Disposal, destination not reported	07/87
Free Product	None	—	—
Soil	600 cubic yards	Disposal, destination not reported	07/87
Groundwater	—	Disposal by sampling contractor	—
Barrels	—	Disposal by sampling contractor	—

MAXIMUM DOCUMENTED CONTAMINANT CONCENTRATIONS—BEFORE AND AFTER CLEANUP
OPTIONAL: (Please see Attachments 2 and 3 for additional information on contaminant locations and concentrations)

Contaminant	Soil (ppm)		Water (ppb)		Contaminant	Soil (ppm)		Water (ppb)	
	Before[1]	After[2]	Before[3]	After[4]		Before	After	Before	After
TPH (Gas)	810	ND	2,700	460	Xylene	86	ND	130	12
TPH (Diesel)	NA	4.1	1,100	ND	Ethylbenzene	ND	ND	77	12.4
Benzene	8.9	ND	46	3.1	Oil & Grease	NA	140	69,000	ND
Toluene	15	ND	60	6.1	Heavy Metals	—	—	—	—
Other (8240)	NA	12[5]	Yes[6]	ND	Oil	NA	48	ND	ND

Description of Interim Remediation Activities: Six hundred cubic yards of soil excavated from underground storage tank (UST) fuel tank area. Overexcavation continued to a depth of 13 feet below ground surface (bgs).

NA—No analysis performed

ND—Below detection limit

[1]Soil sample results from fuel tank at 13 feet bgs. No analysis from waste oil tank exists.

[2]Highest detected contaminant concentrations from borings, 1987-1994.

[3]Highest detected contaminant concentration from monitoring well sampling, 1987-1994.

[4]Current groundwater concentrations, May 17, 1996.

[5]Twelve parts per billion (ppb) Methyl ethyl ketone detected in boring S-1 at 10.5 feet bgs.

[6]Volatile organics were detected in first round of sampling in well S-1, see Attachment 3a.

IV. CLOSURE

Does completed corrective action protect existing beneficial uses per the Regional Board Basin Plan? Yes		
Does completed corrective action protect potential beneficial uses per the Regional Board Basin Plan? Yes		
Does corrective action protect public health for current land use? District staff does not make specific determinations concerning public health risk. However, it does not appear that the release would present a risk to human health.		
Site Management Requirements: None		
Should corrective action be reviewed if land use changes? No		
Monitoring Wells Decommissioned: No	Number Decommissioned: 0	Number Retained: 3
List Enforcement Actions Taken: None		
List Enforcement Actions Rescinded: None		

V. ADDITIONAL COMMENTS, DATA, ETC.

Considerations and/or Variances:

1987- Four USTs (three 8,000-gallon gasoline and one 500-gallon waste oil) were removed from the site in July; the fuel USTs were replaced with 12,000-gallon fiberglass tanks. Sampling beneath the tank at a depth of 13 feet bgs detected 810 parts per million (ppm) Total Petroleum Hydrocarbons as Gasoline (TPHG) and 8.9 ppm Benzene, and Toluene, Ethylbenzene, and Xylenes. No holes were noted in the tanks; no groundwater was noted in the tank pit. No samples appear to have been taken after the removal of the waste oil tank.

One monitoring well was constructed adjacent to the former waste oil tank in September. A maximum 48 ppm oil and 140 ppm oil and grease was detected in the boring at a depth of 10.5 feet bgs, 12 ppb Methyl ethyl ketone was also detected at this depth; no other volatile organic compounds (VOC) were detected. TPHG, Total Petroleum Hydrocarbons as Diesel (TPHD), and Benzene, Toluene, Ethylbenzene, and Xylenes (BTEX) analysis was not performed on soil samples.

Groundwater analysis detected VOCs, see Attachment 3a.

1990- The groundwater sampling program was reinstated. No VOCs were detected; however, TPHG, TPHD, oil and grease, and BTEX was detected in groundwater.

1994- Two hydropunch borings were advanced in the vicinity of the former fuel tanks. No TPHG or BTEX was detected in soil; 110,000 ppb TPHG and 1,200 ppb Benzene was detected in groundwater.

1995- Six borings were advanced to further characterize the site. No TPHG or BTEX was detected in any of the borings; TPHD at a maximum of 4.1 ppm was detected at a depth of 10 feet.

Conclusion:

Based upon the results of source removal and confirmation sampling, it appears that the extent of the soil contamination has been defined. Minor residual soil contamination exists (810 ppm TPHG and 8.9 ppm Benzene, and Toluene, Ethylbenzene, and Xylenes). Minor residual groundwater contamination currently exists (460 ppb TPHG, 3.1 ppb Benzene and minor TEX).

The investigation was performed in accordance with state and local guidelines. Santa Clara Valley Water District (District) staff has concluded that a continuing threat to groundwater, human health, and the environment from residual petroleum hydrocarbons does not exist at this site and that Regional Water Quality Control Board objectives have not been compromised. Santa Clara Valley Water District staff recommends closure for this case.

VI. LOCAL AGENCY REPRESENTATIVE DATA

Prepared by: Lane R. Davis	Title: Assistant Engineer
Signature:	Date: 7-8-96
Approved by: James S. Crowley, P.E.	Title: Associate Civil Engineer
Signature:	Date: 7-8-96

This closure approval is based upon the available information and with the provision that the information provided to this agency was accurate and representative of site conditions.

VII. REGIONAL BOARD NOTIFICATION

Regional Board Staff Name: John West	Title: E.S. III
RB Response: Concur, based solely upon information contained in this case closure summary.	Date Submitted to RB: 7-17-96
Signature:	Date: 7-17-96

Attachments:

1. Site Maps
2. Soil Analytical Results
3. Groundwater Analytical Results

This document and the related CASE CLOSURE LETTER, shall be retained by the lead agency as part of the official site file.

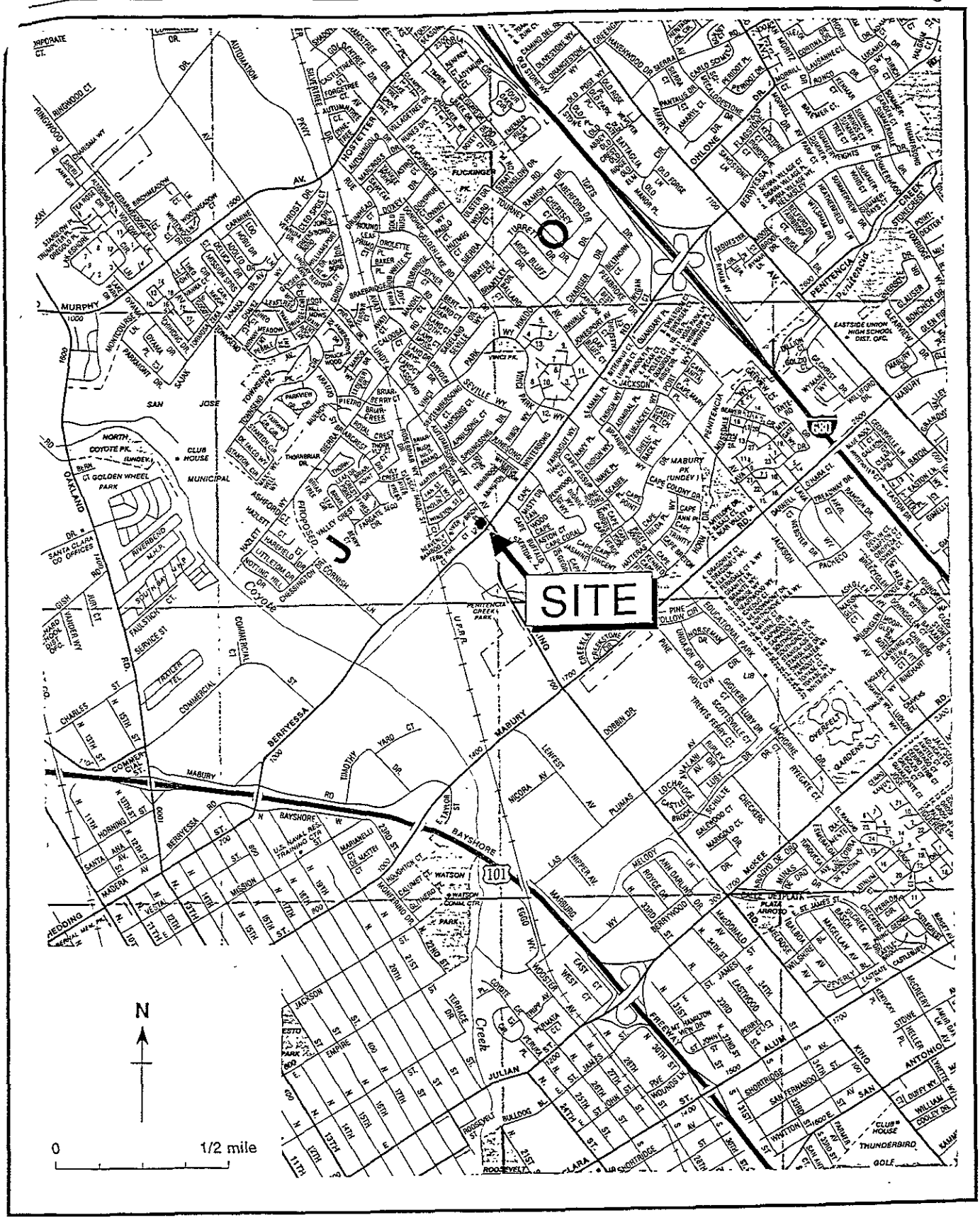
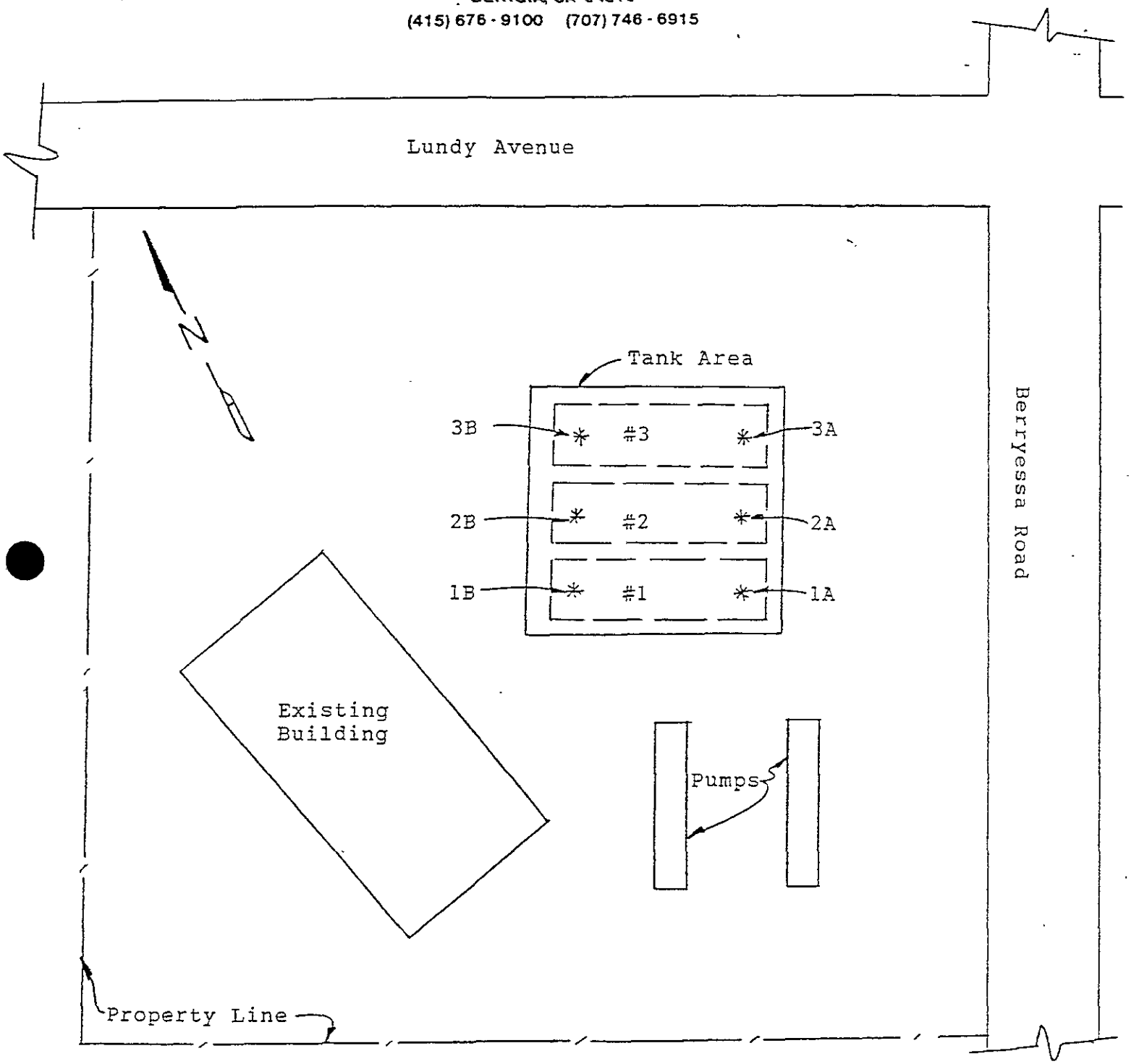


Figure 1. Site Location Map - Shell Service Station WIC# 204-6836-1801, 1705 Berryessa Road, San Jose, California

KAPREALIAN ENGINEERING, INC.
Consulting Engineers
P. O. BOX 913
BENICIA, CA 94510
(415) 676-9100 (707) 746-6915



LOCATION PLAN
nts

TANK PULL SAMPLING

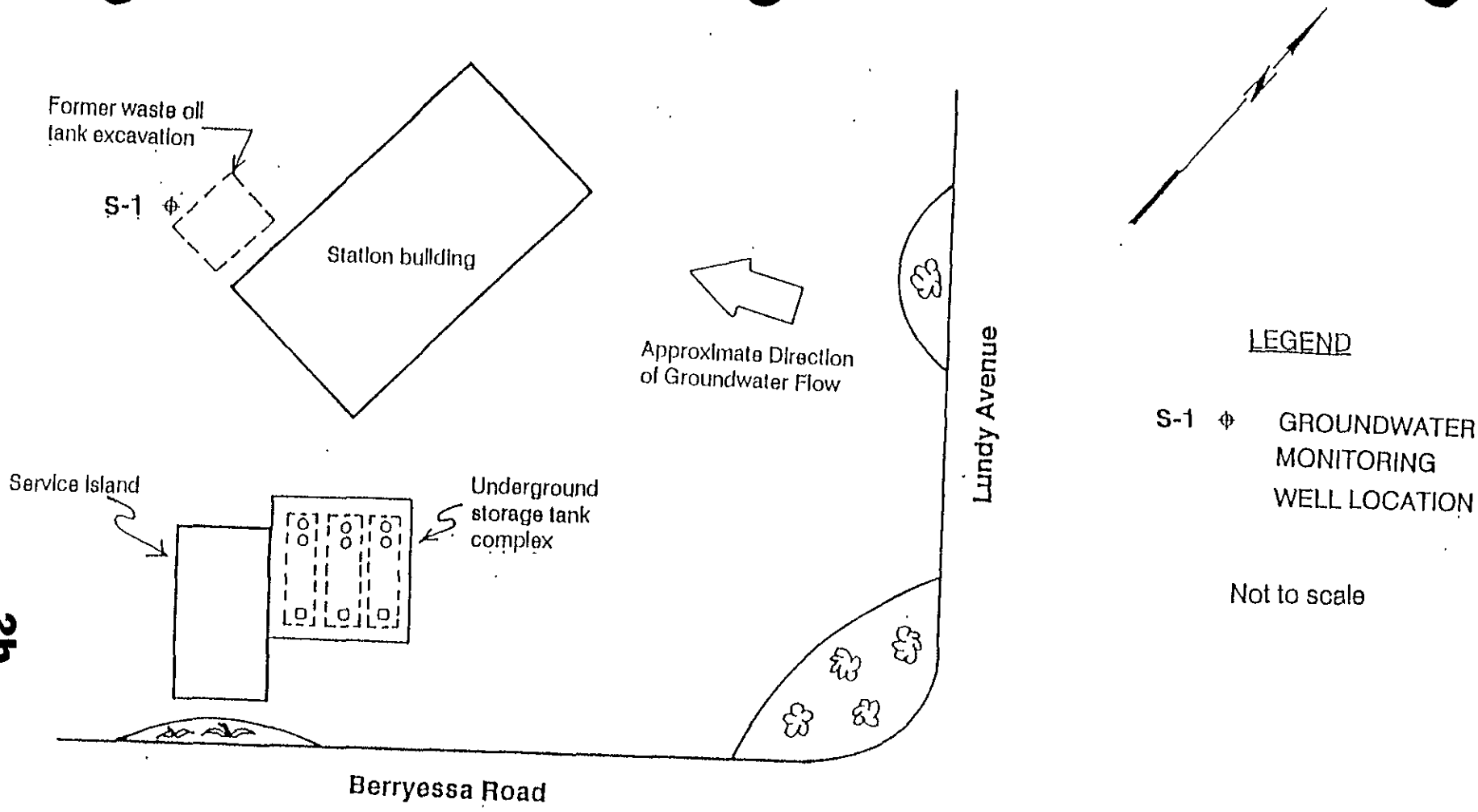
* Soil Sample Location

ATTACHMENT 2a

SHELL SERVICE STATION
1705 Berryessa Rd.
San Jose, California

TABLE 1
(All analyses in parts per million)

Sample #	Depth	Total Hydrocarbons	Benzene	Toluene	Xylene
A1	15′	5.7	<0.1	<0.1	0.53
A2	15′	810	8.9	15	86
A2	17′	<1.0	<0.1	<0.1	<0.1
A3	15′	3.8	<0.1	<0.1	<0.1
B1	15′	6.4	<0.1	<0.1	0.21
B2	15′	3.4	<0.1	<0.1	0.21
B3	15′	<1.0	<0.1	<0.1	<0.1



2b

PACIFIC ENVIRONMENTAL GROUP, INC.

SHELL SERVICE STATION
Berryessa Road and Lundy Avenue
San Jose, California

SITE PLAN

FIGURE 1
Project No. 100-78.01

TABLE 1

Summary of Soil Analytical Results
for Well S-1

High Boiling Hydrocarbons and
Oil and Grease

Depth Interval (feet)	High Boiling (calc. as Oil) (ppm)	Oil and Grease (ppm)
3-1/2 - 5	ND	37
9 - 10-1/2	48	140
14 - 15-1/2	ND	ND
19 - 20-1/2	ND	27
24 - 25-1/2	ND	17
29 - 30-1/2	ND	17

Volatile Organic Compounds

9 - 10-1/2 feet - Methyl ethyl ketone (2-Butanone) 12 ppb

Notes: ppm - parts per million
ND - not detected, detection limits noted on attached Certified Analytical Reports

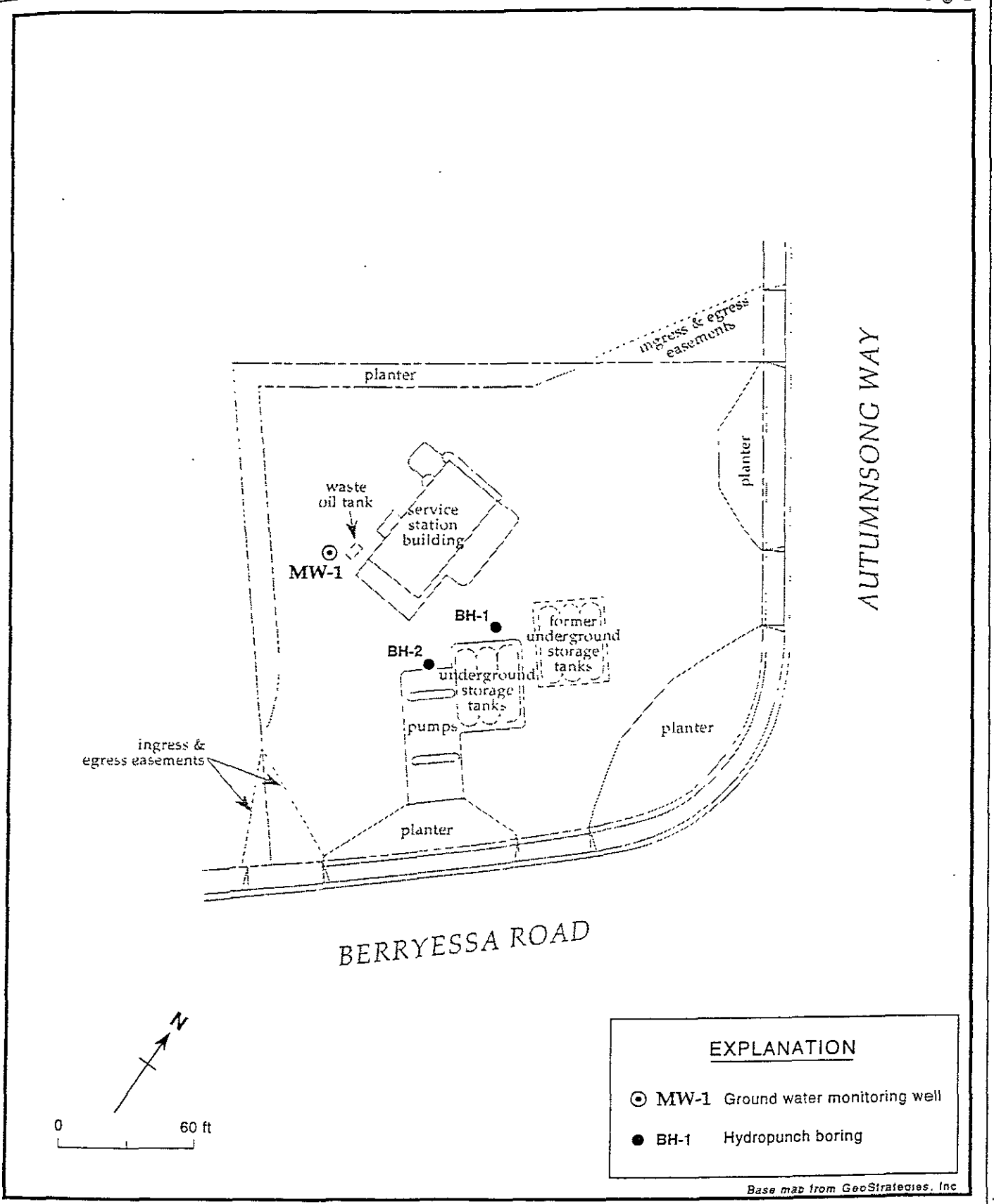


Figure 2. Monitoring Well and Hydropunch Boring Locations - Shell Service Station WIC #204-6836-1801, 1705 Berryessa Road, San Jose, California

Table 1. Analytic Results for Soil - Shell Service Station WIC# 204-6836-1801, 1705 Berryessa Road, San Jose, California

Sample ID	Date Sampled	Depth (ft)	TPH-G	B	T	E	X
			← parts per million (mg/Kg) →				
BH1-5	12/06/94	5	<1	<0.0025	<0.0025	<0.0025	<0.0025
BH1-10	12/06/94	10	<1	<0.0025	<0.0025	<0.0025	<0.0025
BH1-14.5	12/06/94	14.5	<1	<0.0025	<0.0025	<0.0025	<0.0025
BH2-5	12/06/94	5	<1	<0.0025	<0.0025	<0.0025	<0.0025
BH2-10	12/06/94	10	<1	<0.0025	<0.0025	<0.0025	<0.0025
BH2-15	12/06/94	15	<1	<0.0025	0.0043	<0.0025	<0.0025

Abbreviations:

TPH-G = Total petroleum hydrocarbons as gasoline by Modified EPA Method 8015
B = Benzene by EPA Method 8020
T = Toluene by EPA Method 8020
E = Ethylbenzene by EPA Method 8020
X = Xylenes by EPA Method 8020
<n = Not detected at detection limits of n ppm

Analytical Laboratory: National Environmental Testing, Inc. (NET) of Santa Rosa, California.

Weiss Associates

WEISS ASSOCIATES

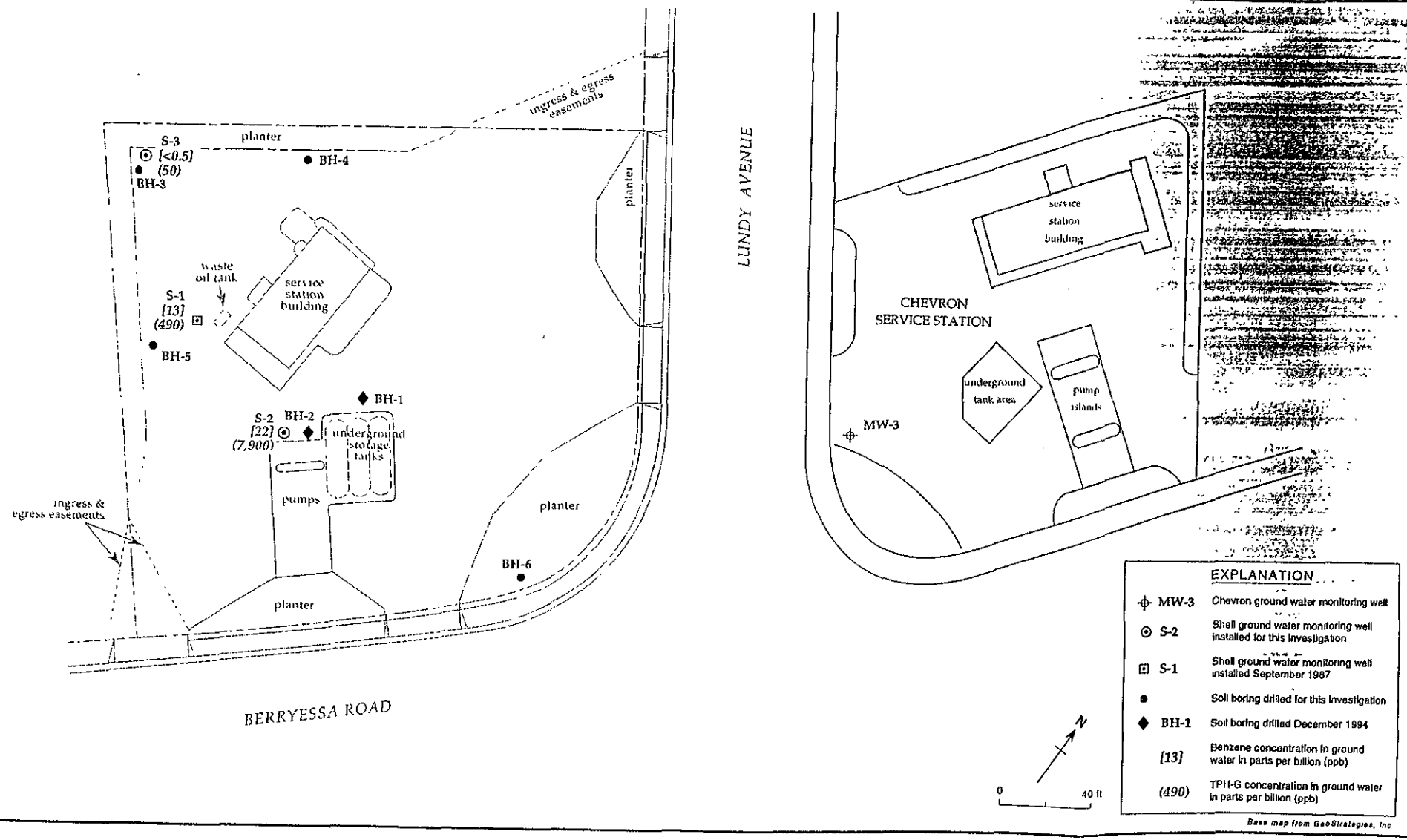


Figure 3 Benzene and TPH-G Concentrations in Ground Water - August 1, 1995 - Shell Service Station WIC #204-6836-1801, 1705 Berryessa Road, San Jose, California

5714-017 ai

08/10/95

Table 3. Analytic Results for Soil - Shell Service Station WIC# 204-6836-1801, 1705 Berryessa Road, San Jose, California

Sample ID	Date Sampled	Depth (ft)	TPH-G	TPH-D	B	T	E	X
			← parts per million (mg/Kg) →					
BH1-5.0	12/06/94	5.0	<1	---	<0.0025	<0.0025	<0.0025	<0.0025
BH1-10.0	12/06/94	10.0	<1	---	<0.0025	<0.0025	<0.0025	<0.0025
BH1-14.5	12/06/94	14.5	<1	---	<0.0025	<0.0025	<0.0025	<0.0025
BH2-5.0	12/06/94	5.0	<1	---	<0.0025	<0.0025	<0.0025	<0.0025
BH2-10.0	12/06/94	10.0	<1	---	<0.0025	<0.0025	<0.0025	<0.0025
BH2-15.0	12/06/94	15.0	<1	---	<0.0025	0.0043	<0.0025	<0.0025
BH3-5.0	07/19/95	5.0	<1.0	1.3	<0.0050	<0.0050	<0.0050	<0.0050
BH3.10.0	07/19/95	10.0	<1.0	<1.0	<0.0050	<0.0050	<0.0050	<0.0050
BH3-15.0	07/19/95	15.0	<1.0	<1.0	<0.0050	<0.0050	<0.0050	<0.0050
BH4-5.0	07/19/95	5.0	<1.0	<1.0	<0.0050	<0.0050	<0.0050	<0.0050
BH4-10.0	07/19/95	10.0	<1.0	<1.0	<0.0050	<0.0050	<0.0050	<0.0050
BH4-15.0	07/19/95	15.0	<1.0	2.1	<0.0050	<0.0050	<0.0050	<0.0050
BH4-20.0	07/19/95	20.0	<1.0	<1.0	<0.0050	<0.0050	<0.0050	<0.0050
BH5-5.0	07/19/95	5.0	<1.0	2.2	<0.0050	<0.0050	<0.0050	<0.0050
BH5-10.0	07/19/95	10.0	<1.0	4.1	<0.0050	<0.0050	<0.0050	<0.0050
BH5-14.5	07/19/95	14.5	<1.0	1.4	<0.0050	<0.0050	<0.0050	<0.0050
BH6-5.5	07/19/95	5.5	<1.0	2.2	<0.0050	<0.0050	<0.0050	<0.0050
BH6-10.0	07/19/95	10.0	<1.0	<1.0	<0.0050	<0.0050	<0.0050	<0.0050
BH6-15.0	07/19/95	15.0	<1.0	<1.0	<0.0050	<0.0050	<0.0050	<0.0050

Weiss Associates

TABLE 2

Summary of Groundwater Analytical Results
for Well S-1

EPA Hazardous List Substances

Compound	ppb
Acetone	130
Benzene	33
Xylene	47

Non - EPA Hazardous Substances

Compound	ppb
Pentane	7
Dimethylcyclopropane	10
Cyclohexane	10
Methyl cyclopentane	90
Dimethylbutane	30
Trimethylhexane	30
Dimethylcyclopentane	10
Dimethylpentane	10
Tetramethylpentane	20
Unknown alcohol	30
Tetramethylhexane	50
Trimethylheptane	20.
Trimethylhexane	10
Trimethylbenzene	20
Unknowns	70

Note: ppb - part per billion

1ST round of groundwater sampling, 1987

ATTACHMENT 3a

Table 2. Analytic Results for Water - Shell Service Station WIC# 204-6836-1801, 1705 Berryessa Road, San Jose, California

Sample ID	Date Sampled	TPH-G	B	T	E	X
		← parts per billion (µg/L) →				
BH1-WS	12/06/94	60	0.5	0.8	1	2.7
BH2-WS	12/06/94	110,000	1,200	120	6,700	19,000
DTSC MCLs		NE	1	100[a]	680	1,750

Abbreviations:

TPH-G = Total petroleum hydrocarbons as gasoline by Modified EPA Method 8015
B = Benzene by EPA Method 8020
T = Toluene by EPA Method 8020
E = Ethylbenzene by EPA Method 8020
X = Xylenes by EPA Method 8020
NE = Not established
DTSC MCLs = California Department of Toxic Substances Control maximum contaminant levels for drinking water

Notes:

a = DTSC recommended action level for drinking water; MCL not established

grab groundwater samples

Weiss Associates

TABLE 2 - ANALYTIC RESULTS: GROUNDWATER
SHELL SERVICE STATION (WIC #204-6836-1801)
1705 BERRYESSA ROAD
SAN JOSE, CALIFORNIA

GROUNDWATER RESULTS - WELL MW-1 (Formerly S-1)

SAMPLE ID#	DATE	METHOD	BENZENE	TOLUENE	E-BENZENE	XYLENES	EDC	ACETONE	HSL	O&G (T)	O&G (NP)	TEPH (D)	TEPH (MO)	TPH (G)
			<----------					ppb						---------->
S-1	8 Sep 87	EPA 624	33.0	<5.0	<5.0	47.0	<5.0	130.0	7 to 90	---	---	---	---	---
BMW-1	19 Feb 90	EPA 413.1	---	---	---	---	---	---	---	69,000	---	---	---	---
BMW-1	19 Feb 90	SM503A/E	---	---	---	---	---	---	---	---	10,000	---	---	---
BMW-1	19 Feb 90	GCFID3510	---	---	---	---	---	---	---	---	---	150	<50	---
BMW-1	19 Feb 90	EPA 624	16.0	<6.0	19.0	22.0	<2.8	---	---	---	---	---	---	---
MW-1	21 Jun 90	EPA 413.1	---	---	---	---	---	---	---	<5,000	---	---	---	---
MW-1	21 Jun 90	SM503A/E	---	---	---	---	---	---	---	---	<10,000	---	---	---
MW-1	21 Jun 90	GCFID3510	---	---	---	---	---	---	---	---	---	300	<50	---
MW-1	21 Jun 90	EPA 624	33.0	<6.0	37.0	37.0	<2.8	---	---	---	---	---	---	---
MW-1	28 Sep 90	EPA 413.1	---	---	---	---	---	---	---	<5,000	---	---	---	---
MW-1	28 Sep 90	SM503A/E	---	---	---	---	---	---	---	---	<10,000	---	---	---
MW-1	28 Sep 90	GCFID3510	---	---	---	---	---	---	---	---	---	---	---	---
MW-1	28 Sep 90	EPA 624	<4.4	<6.0	<7.2	<5.0	<2.8	---	---	---	---	---	---	---

DIFFERENT NAME, SAME WELL

3b

TABLE 2 - ANALYTIC RESULTS: GROUNDWATER (Continued)
SHELL SERVICE STATION (WIC #204-6836-1801)
1705 BERRYESSA ROAD
SAN JOSE, CALIFORNIA

GROUNDWATER RESULTS - WELL MW-1 (Formerly S-1)

SAMPLE ID#	DATE	METHOD	BENZENE	TOLUENE	E-BENZENE	XYLENES	EDC	ACETONE	HSL	O&G (T)	O&G (NP)	TEPH (D)	TEPH (MO)	TPH (G)
			<-----ppb---->											
MW-1	26 Dec 90	GCFID5030	---	---	---	---	---	---	---	---	---	---	---	460
MW-1	26 Dec 90	EPA 602	13.0	2.5	23.0	40.0	---	---	---	---	---	---	---	---
MW-1	26 Dec 90	GCFID3510	---	---	---	---	---	---	---	---	---	<50	<500	---

Notes:
8 Sep 87 analyses by International Technology Corporation
All subsequent analyses by NET Pacific, Inc.
E-BENZENE = Ethylbenzene
EDC = 1,2-Dichloroethane
HSL = EPA Hazardous Substance List compounds; range of results indicated
O&G (T) = Total oil and grease compounds
O&G (NP) = Non-polar oil and grease compounds
TRPH (D) = Total recoverable petroleum hydrocarbons characterized as diesel
TRPH (MO) = Total recoverable petroleum hydrocarbons characterized as motor oil
< = Less than indicated detection limit
ppb = Parts-per-billion
--- = Not analyzed

90009T2

Table 2. Analytic Results for Ground Water, Shell Service Station, WIC #204-6836-1801, 1705 Berryessa Road, San Jose, California

Well ID	Date	Depth to Water (ft)	TPH-G	TPH-D	B	E	T	X	O&G	MTBE
			← parts per billion (µg/L) →							
S-1	06/21/90	---	---	300	33	37	<6	37	<500	---
	09/28/90	---	---	---	<4.4	<7.2	<6	<5	<500	---
	12/26/90	---	460	<50	13	23	2.5	40	---	---
	04/26/91	---	1,900	---	46	40	4.2	51	3,000	---
	08/14/91	---	1,100	410	40	29	3.9	32	5,000	---
	11/22/91	---	1,900	1,000	32	46	5.9	74	880	---
	02/21/92	15.33	340	90	40	13	4.4	13	<5,000	---
	05/04/92	15.37	560	---	37	28	3.4	27	---	---
	08/06/92	16.13	750	130	28	32	3.1	39	<5,000	---
	10/15/92	16.87	470	87[a]	31	27	2.9	28	<5,000	---
	02/18/93	14.06	650	190[a]	25	27	4.7	34	<5,000	---
	05/28/93	13.90	180	73[a]	13	9.9	1.7	6.8	<5,000	---
	08/06/93	13.61	150	56	14	11	1.2	6.6	<5,000	---
	11/17/93	13.85	850	930[a]	22	53	55	55	<5,000	---
	11/17/93[dup]	13.85	780	520[a]	18	42	5.6	43	<5,000	---
	02/04/94	13.60	1,800	180[a,b]	32	77	5.4	94	---	---
	05/25/94	13.68	2,700	1,100	34	66	60	130	<5,000	---
	08/31/94	14.66	2,200	920	30	59	37	100	---	---
	11/11/94	14.22	1,700	540[a]	25	59	13	74	---	---
	02/09/95	11.96	240	260	7.1	11	1.1	11	---	---
	05/04/95	11.42	580	---	15	20	2.7	20	---	---
	08/01/95	10.83	400	250	10	19	2.1	17	---	---
	08/01/95[dup]	10.83	490	200	13	22	1.7	19	---	---
	11/06/95	11.80	1,700	550	21	51	4.7	50	---	---
	11/06/95[dup]	11.80	1,700	420	26	48	4.7	49	---	---
	02/12/96	10.95	1,600	510	18	47	12	52	---	---
	02/12/96[dup]	10.95	1,600	50	17	45	12	49	---	---
	05/17/96	11.26	460	<50	3.1	12.4	6.1	12.0	---	<10
	05/17/96[dup]	11.26	440	<50	3.0	12.2	5.7	11.8	---	<10

Weiss Associates

3c

Table 2. Analytic Results for Ground Water, Shell Service Station, WIC #204-6836-1801, 1705 Berryessa Road, San Jose, California (continued)

Well ID	Date	Depth to Water (ft)	TPH-G	TPH-D	B	E	T	X	O&G	MTBE
			← parts per billion (µg/L) →							
S-2	08/01/95	10.41	7,900	3,900	22	<5.0	7.7	640	---	---
	11/06/95	11.50	<50	<50	<0.5	<0.5	<0.5	<0.5	---	---
	02/12/96	10.65	80	80	<0.5	2.9	<0.5	2.6	---	---
	05/17/96	**10.46**	**<50**	**<50**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**---**	**<10**
S-3	08/01/95	12.12	50	60	<0.5	<0.5	<0.5	<0.5	---	---
	11/06/95	12.80	<50	<50	<0.5	<0.5	<0.5	<0.5	---	---
	02/12/96	11.76	<50	<0.5	<0.5	<0.5	<0.5	<0.5	---	---
	05/17/96	**12.08**	**<50**	**<50**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**---**	**<10**
Trip Blank	11/17/93		<50	<50	<0.5	<0.5	<0.5	<0.5	<5,000	---
	02/04/94		<50	<50	<0.5	<0.5	<0.5	<0.5	<5,000	---
	05/25/94		<50	<50	<0.5	<0.5	<0.5	<0.5	<5,000	---
	08/31/94		<50	---	<0.5	<0.5	<0.5	<0.5	---	---
	11/11/94		<50	---	<0.5	<0.5	<0.5	<0.5	---	---
	05/04/95		<50	---	<0.5	<0.5	<0.5	<0.5	---	---
	08/01/95		<50	---	<0.5	<0.5	<0.5	<0.5	---	---
	11/06/95		<50	---	<0.5	<0.5	<0.5	<0.5	---	---
DHS MCLs			NE	NE	1	680	100[c]	1,750	NE	NE

J:\acad\071\(qm\96q2\96q312.doc

Appendix E:

Environmental Database Report

Shell Service Station
1705 Berryessa
San Jose, CA 95133

Inquiry Number: 02658827.194r
December 14, 2009

The EDR Radius Map™ Report with GeoCheck®

EDR® Environmental Data Resources Inc

440 Wheelers Farms Road
Milford, CT 06461
Toll Free: 800.352.0050
www.edrnet.com

TABLE OF CONTENTS

SECTION	PAGE
Executive Summary	**ES1**
Overview Map	**2**
Detail Map	**3**
Map Findings Summary	**4**
Map Findings	**7**
Orphan Summary	**175**
Government Records Searched/Data Currency Tracking	**GR-1**

GEOCHECK ADDENDUM

Physical Setting Source Addendum	**A-1**
Physical Setting Source Summary	**A-2**
Physical Setting Source Map	**A-7**
Physical Setting Source Map Findings	**A-8**
Physical Setting Source Records Searched	**A-38**

Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

Disclaimer - Copyright and Trademark Notice

This Report contains certain information obtained from a variety of public and other sources reasonably available to Environmental Data Resources, Inc. It cannot be concluded from this Report that coverage information for the target and surrounding properties does not exist from other sources. **NO WARRANTY EXPRESSED OR IMPLIED, IS MADE WHATSOEVER IN CONNECTION WITH THIS REPORT. ENVIRONMENTAL DATA RESOURCES, INC. SPECIFICALLY DISCLAIMS THE MAKING OF ANY SUCH WARRANTIES, INCLUDING WITHOUT LIMITATION, MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE OR PURPOSE. ALL RISK IS ASSUMED BY THE USER. IN NO EVENT SHALL ENVIRONMENTAL DATA RESOURCES, INC. BE LIABLE TO ANYONE, WHETHER ARISING OUT OF ERRORS OR OMISSIONS, NEGLIGENCE, ACCIDENT OR ANY OTHER CAUSE, FOR ANY LOSS OF DAMAGE, INCLUDING, WITHOUT LIMITATION, SPECIAL, INCIDENTAL, CONSEQUENTIAL, OR EXEMPLARY DAMAGES. ANY LIABILITY ON THE PART OF ENVIRONMENTAL DATA RESOURCES, INC. IS STRICTLY LIMITED TO A REFUND OF THE AMOUNT PAID FOR THIS REPORT.** Purchaser accepts this Report "AS IS". Any analyses, estimates, ratings, environmental risk levels or risk codes provided in this Report are provided for illustrative purposes only, and are not intended to provide, nor should they be interpreted as providing any facts regarding, or prediction or forecast of, any environmental risk for any property. Only a Phase I Environmental Site Assessment performed by an environmental professional can provide information regarding the environmental risk for any property. Additionally, the information provided in this Report is not to be construed as legal advice.

Copyright 2009 by Environmental Data Resources, Inc. All rights reserved. Reproduction in any media or format, in whole or in part, of any report or map of Environmental Data Resources, Inc., or its affiliates, is prohibited without prior written permission.

EDR and its logos (including Sanborn and Sanborn Map) are trademarks of Environmental Data Resources, Inc. or its affiliates. All other trademarks used herein are the property of their respective owners.

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

1705 BERRYESSA
SAN JOSE, CA 95133

COORDINATES

Latitude (North):	37.373000 - 37˚ 22' 22.8''
Longitude (West):	121.874200 - 121˚ 52' 27.1''
Universal Tranverse Mercator:	Zone 10
UTM X (Meters):	599682.0
UTM Y (Meters):	4136642.2
Elevation:	89 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map:	37121-D8 MILPITAS, CA
Most Recent Revision:	1980
East Map:	37121-D7 CALAVERAS RESERVOIR, CA
Most Recent Revision:	1980
Southeast Map:	37121-C7 SAN JOSE EAST, CA
Most Recent Revision:	1980
South Map:	37121-C8 SAN JOSE WEST, CA
Most Recent Revision:	1980

AERIAL PHOTOGRAPHY IN THIS REPORT

Portions of Photo from:	2006, 2005
Source:	USDA

TARGET PROPERTY SEARCH RESULTS

The target property was identified in the following records. For more information on this property see page 7 of the attached EDR Radius Map report:

Site	Database(s)	EPA ID
CAPITOL SHELL 1705 BERRYESSA RD 1 SAN JOSE, CA 95133	SAN JOSE HAZMAT SWEEPS UST	N/A
SHELL OIL COMPANY 1705 BERRYESSA RD SAN JOSE, CA 95133	LUST Status: Completed - Case Closed HIST LUST	N/A

EXECUTIVE SUMMARY

EQUILON ENTERPRISES LLC/SHELL STA 1705 BERRYESSA SAN JOSE, CA 95150	RCRA-LQG	CAD981402787
SHELL 1705 BERRYESSA LUNDY SAN JOSE, CA 95150	HAZNET	N/A
CHAVEZ ENTERPRISES INC. 1705 BERRYESSA RD SAN JOSE, CA 95150	HIST UST	N/A
SHELL SERVICE STATION 1705 BERRYESSA SAN JOSE, CA 95150	RCRA-SQG FINDS HAZNET	CAR000127373
BERRYESSA SHELL 1705 BERRYESSA RD SAN JOSE, CA 95133	HAZNET	N/A
1705 BERRYESSA SJ SHELL 1705 BERRYESSA RD SAN JOSE, CA 95133	CA WDS	N/A
SHELL 1705 BERRYESSA RD SAN JOSE, CA 95118	HIST CORTESE LUST Status: Open - Remediation HIST LUST	N/A

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 CERCLIS NFRAP site List

CERC-NFRAP..... CERCLIS No Further Remedial Action Planned

Federal RCRA non-CORRACTS TSD facilities list

RCRA-TSDF..... RCRA - Transporters, 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

Federal ERNS list

ERNS..... Emergency Response Notification 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

SLIC..... Statewide SLIC Cases
INDIAN LUST..... Leaking Underground Storage Tanks on Indian Land

State and tribal registered storage tank lists

UST..... Active UST Facilities
AST..... Aboveground Petroleum Storage Tank Facilities
INDIAN UST..... Underground Storage Tanks on Indian Land

State and tribal voluntary cleanup sites

INDIAN VCP..... Voluntary Cleanup Priority Listing
VCP..... Voluntary Cleanup Program Properties

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS..... A Listing of Brownfields Sites

EXECUTIVE SUMMARY

Local Lists of Landfill / Solid Waste Disposal Sites

DEBRIS REGION 9	Torres Martinez Reservation Illegal Dump Site Locations
ODI	Open Dump Inventory
WMUDS/SWAT	Waste Management Unit 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
SCH	School Property Evaluation Program
Toxic Pits	Toxic Pits Cleanup Act Sites
CDL	Clandestine Drug Labs
US HIST CDL	National Clandestine Laboratory Register

Local Lists of Registered Storage Tanks

CA FID UST	Facility Inventory Database

Local Land Records

LIENS 2	CERCLA Lien Information
LUCIS	Land Use Control Information System
LIENS	Environmental Liens Listing
DEED	Deed Restriction Listing

Records of Emergency Release Reports

HMIRS	Hazardous Materials Information Reporting System
CHMIRS	California Hazardous Material Incident Report System
LDS	Land Disposal Sites Listing
MCS	Military Cleanup Sites Listing

Other Ascertainable Records

RCRA-NonGen	RCRA - Non Generators
DOT OPS	Incident and Accident Data
DOD	Department of Defense Sites
FUDS	Formerly Used Defense Sites
CONSENT	Superfund (CERCLA) Consent Decrees
UMTRA	Uranium Mill Tailings Sites
MINES	Mines Master Index File
TRIS	Toxic Chemical Release Inventory System
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

EXECUTIVE SUMMARY

RAATS..... RCRA Administrative Action Tracking System
NPDES..... NPDES Permits Listing
Cortese..... "Cortese" Hazardous Waste & Substances Sites List
Notify 65..... Proposition 65 Records
DRYCLEANERS..... Cleaner Facilities
WIP..... Well Investigation Program Case List
EMI..... Emissions Inventory Data
INDIAN RESERV..... Indian Reservations
SCRD DRYCLEANERS..... State Coalition for Remediation of Drycleaners Listing
HWT..... Registered Hazardous Waste Transporter Database
PCB TRANSFORMER..... PCB Transformer Registration Database

EDR PROPRIETARY RECORDS

EDR Proprietary Records

Manufactured Gas Plants..... EDR Proprietary Manufactured Gas Plants
EDR Historical Auto Stations.. EDR Proprietary Historic Gas Stations
EDR Historical Cleaners..... EDR Proprietary Historic Dry Cleaners

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 CORRACTS facilities list

CORRACTS: CORRACTS is a list of handlers with RCRA Corrective Action Activity. This report shows which nationally-defined corrective action core events have occurred for every handler that has had corrective action activity.

A review of the CORRACTS list, as provided by EDR, and dated 09/15/2009 has revealed that there is 1 CORRACTS site within approximately 1 mile of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
CLEAN HARBORS SAN JOSE LLC	***1021 BERRYESSA ROAD***	***SW 1/2 - 1 (0.792 mi.)***	***D28***	***54***

EXECUTIVE SUMMARY

Federal RCRA generators list

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 11/12/2008 has revealed that there are 2 RCRA-SQG sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
PHOTO PLUS	***972 LUNDY AVE***	***E 0 - 1/8 (0.091 mi.)***	***12***	***22***

Lower Elevation	Address	Direction / Distance	Map ID	Page
SYSTEC ELECTRONICS INC	***1630A BERRYESSA RD***	***SW 1/8 - 1/4 (0.238 mi.)***	***17***	***30***

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 11/09/2009 has revealed that there are 4 ENVIROSTOR sites within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
CHERRY ACRES PARTNERSHIP Status: No Further Action	***1671 MABURY***	***SSE 1/2 - 1 (0.511 mi.)***	***26***	***45***
SAN JOSE CRANE & RIGGING Status: Refer: Other Agency	***660 GIGUERE CT***	***ESE 1/2 - 1 (0.874 mi.)***	***30***	***168***

Lower Elevation	Address	Direction / Distance	Map ID	Page
CLEAN HARBORS SAN JOSE LLC Status: Refer: RWQCB	***1021 BERRYESSA ROAD***	***SW 1/2 - 1 (0.792 mi.)***	***D28***	***54***
SOLVENT SERVICES Status: Refer: RWQCB	***1021 BERRYESSA ROAD***	***SW 1/2 - 1 (0.792 mi.)***	***D29***	***161***

EXECUTIVE SUMMARY

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 11/12/2009 has revealed that there are 8 LUST sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
CHEVRON #9-6215	***1715 BERRYESSA RD***	***NE 0 - 1/8 (0.014 mi.)***	***A10***	***18***
Status: Completed - Case Closed				
AMERICAN METAL & IRON	11665 BERRYESSA	NE 1/4 - 1/2 (0.477 mi.)	C20	35
Status: Open - Site Assessment				
CITY METALS AND SALVAGE INC	***11665 BERRYESSA RD***	***NE 1/4 - 1/2 (0.477 mi.)***	***C21***	***35***
Status: Completed - Case Closed				
AMERICAN METAL & IRON	***11665 BERRYESSA RD***	***NE 1/4 - 1/2 (0.477 mi.)***	***C23***	***40***
GRANITE ROCK COMPANY	***11711 BERRYESSA AVE***	***NE 1/4 - 1/2 (0.487 mi.)***	***C24***	***41***
Status: Completed - Case Closed				
HARRIS FEEDING COMPANY	***11740 BERRYESSA RD***	***NE 1/4 - 1/2 (0.496 mi.)***	***C25***	***42***
Status: Completed - Case Closed				
Status: Completed - Case Closed				

Lower Elevation	Address	Direction / Distance	Map ID	Page
FACCHINO FREIGHT LINES	***1655 BERRYESSA RD***	***SW 1/8 - 1/4 (0.134 mi.)***	***B15***	***26***
Status: Completed - Case Closed				
SAN JOSE FLEA MARKET	***1590 BERRYESSA RD***	***SW 1/4 - 1/2 (0.318 mi.)***	***18***	***31***
Status: Completed - Case Closed				
Status: Completed - Case Closed				

HIST LUST: 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.

A review of the HIST LUST list, as provided by EDR, and dated 03/29/2005 has revealed that there are 6 HIST LUST sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
CHEVRON #9-6215	***1715 BERRYESSA RD***	***NE 0 - 1/8 (0.014 mi.)***	***A10***	***18***
CITY METALS AND SALVAGE INC	***11665 BERRYESSA RD***	***NE 1/4 - 1/2 (0.477 mi.)***	***C21***	***35***
GRANITE ROCK COMPANY	***11711 BERRYESSA AVE***	***NE 1/4 - 1/2 (0.487 mi.)***	***C24***	***41***
HARRIS FEEDING COMPANY	***11740 BERRYESSA RD***	***NE 1/4 - 1/2 (0.496 mi.)***	***C25***	***42***

Lower Elevation	Address	Direction / Distance	Map ID	Page
FACCHINO FREIGHT LINES	***1655 BERRYESSA RD***	***SW 1/8 - 1/4 (0.134 mi.)***	***B15***	***26***
SAN JOSE FLEA MARKET	***1590 BERRYESSA RD***	***SW 1/4 - 1/2 (0.318 mi.)***	***18***	***31***

EXECUTIVE SUMMARY

ADDITIONAL ENVIRONMENTAL RECORDS

Local Lists of Landfill / Solid Waste Disposal Sites

SWRCY: A listing of recycling facilities in California.

A review of the SWRCY list, as provided by EDR, and dated 09/25/2009 has revealed that there is 1 SWRCY site within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
AMERICAN METAL & IRON INC	***11665 BERRYESSA RD***	***NE 1/4 - 1/2 (0.477 mi.)***	***C22***	***39***

Local Lists of Registered Storage Tanks

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 3 HIST UST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
96215	1715 BERRYESSA RD	NE 0 - 1/8 (0.014 mi.)	A11	21
C. J. VOSS & SONS	1167 LUNDY AVE	N 1/8 - 1/4 (0.163 mi.)	16	29

Lower Elevation	Address	Direction / Distance	Map ID	Page
FACCHINO FREIGHT LINES	***1655 BERRYESSA RD***	***SW 1/8 - 1/4 (0.134 mi.)***	***B15***	***26***

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 2 SWEEPS UST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
CHEVRON #9-6215	***1715 BERRYESSA RD***	***NE 0 - 1/8 (0.014 mi.)***	***A10***	***18***

Lower Elevation	Address	Direction / Distance	Map ID	Page
BLACK MTN SPRING WATER	1655 BERRYESSA RD A	SW 1/8 - 1/4 (0.125 mi.)	B14	24

Other Ascertainable Records

ROD: Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid the cleanup.

A review of the ROD list, as provided by EDR, and dated 09/01/2009 has revealed that there is 1 ROD

site within approximately 1 mile of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
CLEAN HARBORS SAN JOSE LLC	***1021 BERRYESSA ROAD***	***SW 1/2 - 1 (0.792 mi.)***	***D28***	***54***

CA BOND EXP. 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.

A review of the CA BOND EXP. PLAN list, as provided by EDR, and dated 01/01/1989 has revealed that there is 1 CA BOND EXP. PLAN site within approximately 1 mile of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
SOLVENT SERVICES	***1021 BERRYESSA ROAD***	***SW 1/2 - 1 (0.792 mi.)***	***D29***	***161***

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].

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 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
SCR-SOLVENT SERVICE INC.	1021 BERRYESA	NE 1/4 - 1/2 (0.381 mi.)	19	34
CITY METALS AND SALVAGE INC	***11665 BERRYESSA RD***	***NE 1/4 - 1/2 (0.477 mi.)***	***C21***	***35***
GRANITE ROCK COMPANY	***11711 BERRYESSA AVE***	***NE 1/4 - 1/2 (0.487 mi.)***	***C24***	***41***
HARRIS FEEDING COMPANY	***11740 BERRYESSA RD***	***NE 1/4 - 1/2 (0.496 mi.)***	***C25***	***42***

Lower Elevation	Address	Direction / Distance	Map ID	Page
FACCHINO FREIGHT LINES	***1655 BERRYESSA RD***	***SW 1/8 - 1/4 (0.134 mi.)***	***B15***	***26***
SAN JOSE FLEA MARKET	***1590 BERRYESSA RD***	***SW 1/4 - 1/2 (0.318 mi.)***	***18***	***31***

SAN JOSE HAZMAT: San Jose Hazmat Facilities.

A review of the SAN JOSE HAZMAT list, as provided by EDR, and dated 08/31/2009 has revealed that there are 2 SAN JOSE HAZMAT sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
CHEVRON #9-6215	***1715 BERRYESSA RD***	***NE 0 - 1/8 (0.014 mi.)***	***A10***	***18***

Lower Elevation	Address	Direction / Distance	Map ID	Page
THE CELTIS GROUP	1655 BERRYESSA RD SUITE	SW 1/8 - 1/4 (0.125 mi.)	B13	24

HWP: Detailed information on permitted hazardous waste facilities and corrective action (a??cleanupsa??) tracked in EnviroStor.

A review of the HWP list, as provided by EDR, and dated 03/13/2009 has revealed that there are 2 HWP sites within approximately 1 mile of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
SAFETY KLEEN	***660 LENFEST RD***	***SSE 1/2 - 1 (0.688 mi.)***	***27***	***48***

EXECUTIVE SUMMARY

Lower Elevation	Address	Direction / Distance	Map ID	Page
CLEAN HARBORS SAN JOSE LLC	*1021 BERRYESSA ROAD*	*SW 1/2 - 1 (0.792 mi.)*	*D28*	*54*

EXECUTIVE SUMMARY

Due to poor or inadequate address information, the following sites were not mapped:

Site Name	Database(s)
ALMADEN AIR FORCE STATION	HIST CORTESE
MURPHY/LUNDY DEVELOPMENT	HIST CORTESE
CREEKSIDE STATION	NPDES
CALIFORNIA POOL SERVICE	FTTS
FLEA MARKET, THE	SWEEPS UST
JONES ROOFING	SWEEPS UST
L & D SERVICE STATION	SWEEPS UST
LMC METALS	SAN JOSE HAZMAT, SWEEPS UST
CAL AIR INC	SWEEPS UST
COCA COLA BOTTLING COMPANY	SWEEPS UST
OAKMEAD PUMP STATION	SWEEPS UST
COLUMBIA ANALYTICAL SERVICE	SWEEPS UST
EXXON STATION #70108	SWEEPS UST
BUTTERICK DEMOLITION	CERC-NFRAP
STAUFFER CHEM CO RAISCH QUARRY	CERC-NFRAP
SILVERADO CONDOMINIUMS	CERC-NFRAP
VALLEY RECYCLING	SWF/LF
MARSHLAND SOLID WASTE FACILITY	SWF/LF
ALVISO	LUST
FORMER TEXACO STATION	LUST
UNOCAL STATION #5954	LUST
UNITED PARCEL SERVICE	LUST, HIST LUST
P&G INVESTMENT COMPANY	LUST, HIST LUST
SUNNYVALE, CITY OF	LUST
AIR & AUTO SALVAGE SERVICE	LUST
ONIZUKA AIR FORCE STATION	LUST
P&G INVESTMENT COMPANY	LUST
RANCHO SERVICE CENTER	LUST
ALMADEN AIR FORCE STATION	LUST
L & D SERVICE STATION	UST
SAN JOSE TRANSIT VILLAGE	VCP, ENVIROSTOR
CALIFORNIA WATER SERVICE CO CH STA	RCRA-SQG, HAZNET
CASTLE COPY SERVICE INC	HAZNET
ADVANTAGE TIRE SERVICE	HAZNET
ALMADEN RV SERVICE AND REPAIRS	HAZNET
CALIFORNIA WATER SERVICE CO CH STA	FINDS
HAWKINS WATER CO-CAL WATER SERVICE	FINDS
NPD-DON PEDRO CHABOYA STATION	FINDS
NATIONAL WEATHER SERVICE	FINDS
PROPOSED COMMUNICATION HILL K-8 SC	SCH, ENVIROSTOR
CALIFORNIA WATER SERVICE C	SAN JOSE HAZMAT
GEORGE'S SERVICE CENTER	SAN JOSE HAZMAT
PACIFIC PRIDE STATION #75	SAN JOSE HAZMAT
FORTY-FIVE FOREVER	SAN JOSE HAZMAT
FLEA MARKET, THE	SAN JOSE HAZMAT
LSA CLEANPART LLC	SAN JOSE HAZMAT
NEW CINGULAR 25443	SAN JOSE HAZMAT
BERREYESSA CHEVRON AUTOTEC	SAN JOSE HAZMAT
RAISED FLOOR INSTALLATION	SAN JOSE HAZMAT
SPRINT FS04XC182	SAN JOSE HAZMAT
KC SHEETMETAL	SAN JOSE HAZMAT
EXECUTIVE CASEWORK	SAN JOSE HAZMAT
L & D SERVICE STATION	SAN JOSE HAZMAT
ASPEN TEN	SAN JOSE HAZMAT
MATOS AUTO TOWING/TRANSPOR	SAN JOSE HAZMAT
CUSTOM DESIGN CABINETS	SAN JOSE HAZMAT
SPRINT SF60XC832	SAN JOSE HAZMAT
UNIVERSAL SWEEPING SERVICE	SAN JOSE HAZMAT
SPRINT PCS SF33XC574	SAN JOSE HAZMAT

EXECUTIVE SUMMARY

NEW CINGULAR WIRELESS	SAN JOSE HAZMAT
T-MOBILE	SAN JOSE HAZMAT
FLEXTRONICS INTERNATIONAL	SAN JOSE HAZMAT
CINGULAR WIRELESS	SAN JOSE HAZMAT
ADVANCE AUTO TECH, INC	SAN JOSE HAZMAT
GULL INDUSTRIES	SAN JOSE HAZMAT
FREEMAN FINISHING	SAN JOSE HAZMAT
HOGE BROS INC	SAN JOSE HAZMAT
NAVARRA TRUCK PARTS/ AB AU	SAN JOSE HAZMAT
S & M COMMERCIAL BODY	SAN JOSE HAZMAT
CALIFORNIA BARBEQUES MFG I	SAN JOSE HAZMAT
F & F STEEL & STAIRWAY INC	SAN JOSE HAZMAT
NEW CINGULAR WIRELESS14132	SAN JOSE HAZMAT
FLEET AUTOMATIVE SERVICE	SAN JOSE HAZMAT
PERFORMANCE RADIATOR PACIF	SAN JOSE HAZMAT
COCA COLA BOTTLING CO	SAN JOSE HAZMAT
UNITED RENT HIGHWAY TECH	SAN JOSE HAZMAT
S J CONCRETE PIPE CO	SAN JOSE HAZMAT
ABC FIRE PROTECTION INC	SAN JOSE HAZMAT
FRANKLIN-MC KINLEY SERVICE	SAN JOSE HAZMAT
REBELLO'S TOWING SERVICE	SAN JOSE HAZMAT
NATIONAL WEATHER SERVICE	EMI
CALIFORNIA WATER SERVICE	EMI
MURPHY/LUNDY DEVELOPMENT	ENVIROSTOR
CLEAN HARBORS SAN JOSE LLC	MANIFEST

OVERVIEW MAP - 02658827.194r

- 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 1/4 1/2 1 Miles

- Indian Reservations BIA
- Power transmission lines
- Oil & Gas pipelines
- 100-year flood zone
- 500-year flood zone
- National Wetland Inventory

- Areas of Concern

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME:	Shell Service Station	CLIENT:	Bureau Veritas North America, Inc.
ADDRESS:	1705 Berryessa San Jose CA 95133	CONTACT:	Jon Rosso
		INQUIRY #:	02658827.194r
LAT/LONG:	37.3730 / 121.8742	DATE:	December 14, 2009 3:43 pm

Copyright © 2008 EDR, Inc. © 2008 Tele Atlas Rel. 07/2007.

DETAIL MAP - 02658827.194r

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 1/16 1/8 1/4 Miles

Indian Reservations BIA

Oil & Gas pipelines

100-year flood zone

500-year flood zone

Areas of Concern

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: Shell Service Station	CLIENT: Bureau Veritas North America, Inc.
ADDRESS: 1705 Berryessa San Jose CA 95133	CONTACT: Jon Rosso INQUIRY #: 02658827.194r
LAT/LONG: 37.3730 / 121.8742	DATE: December 14, 2009 3:49 pm

Copyright © 2008 EDR, Inc. © 2008 Tele Atlas Rel. 07/2007.

MAP FINDINGS SUMMARY

Database	Target Property	Search Distance (Miles)	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
STANDARD ENVIRONMENTAL RECORDS								
Federal NPL site list								
NPL		1.000	0	0	0	0	NR	0
Proposed NPL		1.000	0	0	0	0	NR	0
NPL LIENS		TP	NR	NR	NR	NR	NR	0
Federal Delisted NPL site list								
Delisted NPL		1.000	0	0	0	0	NR	0
Federal CERCLIS list								
CERCLIS		0.500	0	0	0	NR	NR	0
Federal CERCLIS NFRAP site List								
CERC-NFRAP		0.500	0	0	0	NR	NR	0
Federal RCRA CORRACTS facilities list								
CORRACTS		1.000	0	0	0	1	NR	1
Federal RCRA non-CORRACTS TSD facilities list								
RCRA-TSDF		0.500	0	0	0	NR	NR	0
Federal RCRA generators list								
RCRA-LQG	X	0.250	0	0	NR	NR	NR	0
RCRA-SQG	X	0.250	1	1	NR	NR	NR	2
RCRA-CESQG		0.250	0	0	NR	NR	NR	0
Federal institutional controls / engineering controls registries								
US ENG CONTROLS		0.500	0	0	0	NR	NR	0
US INST CONTROL		0.500	0	0	0	NR	NR	0
Federal ERNS list								
ERNS		TP	NR	NR	NR	NR	NR	0
State- and tribal - equivalent NPL								
RESPONSE		1.000	0	0	0	0	NR	0
State- and tribal - equivalent CERCLIS								
ENVIROSTOR		1.000	0	0	0	4	NR	4
State and tribal landfill and/or solid waste disposal site lists								
SWF/LF		0.500	0	0	0	NR	NR	0
State and tribal leaking storage tank lists								
LUST	X	0.500	1	1	6	NR	NR	8
SLIC		0.500	0	0	0	NR	NR	0
HIST LUST	X	0.500	1	1	4	NR	NR	6

MAP FINDINGS SUMMARY

Database	Target Property	Search Distance (Miles)	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
INDIAN LUST		0.500	0	0	0	NR	NR	0
State and tribal registered storage tank lists								
UST		0.250	0	0	NR	NR	NR	0
AST		0.250	0	0	NR	NR	NR	0
INDIAN UST		0.250	0	0	NR	NR	NR	0
State and tribal voluntary cleanup sites								
INDIAN VCP		0.500	0	0	0	NR	NR	0
VCP		0.500	0	0	0	NR	NR	0
ADDITIONAL ENVIRONMENTAL RECORDS								
Local Brownfield lists								
US BROWNFIELDS		0.500	0	0	0	NR	NR	0
Local Lists of Landfill / Solid Waste Disposal Sites								
DEBRIS REGION 9		0.500	0	0	0	NR	NR	0
ODI		0.500	0	0	0	NR	NR	0
WMUDS/SWAT		0.500	0	0	0	NR	NR	0
SWRCY		0.500	0	0	1	NR	NR	1
HAULERS		TP	NR	NR	NR	NR	NR	0
INDIAN ODI		0.500	0	0	0	NR	NR	0
Local Lists of Hazardous waste / Contaminated Sites								
US CDL		TP	NR	NR	NR	NR	NR	0
HIST Cal-Sites		1.000	0	0	0	0	NR	0
SCH		0.250	0	0	NR	NR	NR	0
Toxic Pits		1.000	0	0	0	0	NR	0
CDL		TP	NR	NR	NR	NR	NR	0
US HIST CDL		TP	NR	NR	NR	NR	NR	0
Local Lists of Registered Storage Tanks								
CA FID UST		0.250	0	0	NR	NR	NR	0
HIST UST	X	0.250	1	2	NR	NR	NR	3
SWEEPS UST	X	0.250	1	1	NR	NR	NR	2
Local Land Records								
LIENS 2		TP	NR	NR	NR	NR	NR	0
LUCIS		0.500	0	0	0	NR	NR	0
LIENS		TP	NR	NR	NR	NR	NR	0
DEED		0.500	0	0	0	NR	NR	0
Records of Emergency Release Reports								
HMIRS		TP	NR	NR	NR	NR	NR	0
CHMIRS		TP	NR	NR	NR	NR	NR	0
LDS		TP	NR	NR	NR	NR	NR	0
MCS		TP	NR	NR	NR	NR	NR	0

MAP FINDINGS SUMMARY

Database	Target Property	Search Distance (Miles)	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
Other Ascertainable Records								
RCRA-NonGen		0.250	0	0	NR	NR	NR	0
DOT OPS		TP	NR	NR	NR	NR	NR	0
DOD		1.000	0	0	0	0	NR	0
FUDS		1.000	0	0	0	0	NR	0
CONSENT		1.000	0	0	0	0	NR	0
ROD		1.000	0	0	0	1	NR	1
UMTRA		0.500	0	0	0	NR	NR	0
MINES		0.250	0	0	NR	NR	NR	0
TRIS		TP	NR	NR	NR	NR	NR	0
TSCA		TP	NR	NR	NR	NR	NR	0
FTTS		TP	NR	NR	NR	NR	NR	0
HIST FTTS		TP	NR	NR	NR	NR	NR	0
SSTS		TP	NR	NR	NR	NR	NR	0
ICIS		TP	NR	NR	NR	NR	NR	0
PADS		TP	NR	NR	NR	NR	NR	0
MLTS		TP	NR	NR	NR	NR	NR	0
RADINFO		TP	NR	NR	NR	NR	NR	0
FINDS	X	TP	NR	NR	NR	NR	NR	0
RAATS		TP	NR	NR	NR	NR	NR	0
CA BOND EXP. PLAN		1.000	0	0	0	1	NR	1
CA WDS	X	TP	NR	NR	NR	NR	NR	0
NPDES		TP	NR	NR	NR	NR	NR	0
Cortese		0.500	0	0	0	NR	NR	0
HIST CORTESE	X	0.500	0	1	5	NR	NR	6
SAN JOSE HAZMAT	X	0.250	1	1	NR	NR	NR	2
Notify 65		1.000	0	0	0	0	NR	0
DRYCLEANERS		0.250	0	0	NR	NR	NR	0
WIP		0.250	0	0	NR	NR	NR	0
HAZNET	X	TP	NR	NR	NR	NR	NR	0
EMI		TP	NR	NR	NR	NR	NR	0
INDIAN RESERV		1.000	0	0	0	0	NR	0
SCRD DRYCLEANERS		0.500	0	0	0	NR	NR	0
HWP		1.000	0	0	0	2	NR	2
HWT		0.250	0	0	NR	NR	NR	0
PCB TRANSFORMER		TP	NR	NR	NR	NR	NR	0
EDR PROPRIETARY RECORDS								
EDR Proprietary Records								
Manufactured Gas Plants		1.000	0	0	0	0	NR	0
EDR Historical Auto Stations		0.250	0	0	NR	NR	NR	0
EDR Historical Cleaners		0.250	0	0	NR	NR	NR	0

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

A1 Target Property | **CAPITOL SHELL**
1705 BERRYESSA RD 1
SAN JOSE, CA 95133 | **SAN JOSE HAZMAT**
SWEEPS UST | **S102415344**
N/A

Site 1 of 11 in cluster A

Actual: 89 ft.

SAN JOSE HAZMAT:

Region:	SAN JOSE
File Num:	401728
Class:	Gasoline Station

SWEEPS UST:

Status:	A
Comp Number:	401728
Number:	9
Board Of Equalization:	Not reported
Ref Date:	09-30-92
Act Date:	09-08-92
Created Date:	02-29-88
Tank Status:	A
Owner Tank Id:	Not reported
Swrcb Tank Id:	43-060-401728-000001
Actv Date:	Not reported
Capacity:	12000
Tank Use:	M.V. FUEL
Stg:	P
Content:	REG UNLEADED
Number Of Tanks:	4

Status:	A
Comp Number:	401728
Number:	9
Board Of Equalization:	Not reported
Ref Date:	09-30-92
Act Date:	09-08-92
Created Date:	02-29-88
Tank Status:	A
Owner Tank Id:	Not reported
Swrcb Tank Id:	43-060-401728-000002
Actv Date:	Not reported
Capacity:	12000
Tank Use:	M.V. FUEL
Stg:	P
Content:	REG UNLEADED
Number Of Tanks:	Not reported

Status:	A
Comp Number:	401728
Number:	9
Board Of Equalization:	Not reported
Ref Date:	09-30-92
Act Date:	09-08-92
Created Date:	02-29-88
Tank Status:	A
Owner Tank Id:	Not reported
Swrcb Tank Id:	43-060-401728-000003
Actv Date:	Not reported
Capacity:	12000
Tank Use:	M.V. FUEL

CAPITOL SHELL (Continued) **S102415344**

Stg:	P
Content:	REG UNLEADED
Number Of Tanks:	Not reported

Status:	A
Comp Number:	401728
Number:	9
Board Of Equalization:	Not reported
Ref Date:	09-30-92
Act Date:	09-08-92
Created Date:	02-29-88
Tank Status:	A
Owner Tank Id:	Not reported
Swrcb Tank Id:	43-060-401728-000007
Actv Date:	Not reported
Capacity:	550
Tank Use:	OIL
Stg:	W
Content:	Not reported
Number Of Tanks:	Not reported

Status:	Not reported
Comp Number:	401728
Number:	Not reported
Board Of Equalization:	Not reported
Ref Date:	Not reported
Act Date:	Not reported
Created Date:	Not reported
Tank Status:	Not reported
Owner Tank Id:	Not reported
Swrcb Tank Id:	43-060-401728-000004
Actv Date:	Not reported
Capacity:	8000
Tank Use:	M.V. FUEL
Stg:	PRODUCT
Content:	REG UNLEADED
Number Of Tanks:	3

Status:	Not reported
Comp Number:	401728
Number:	Not reported
Board Of Equalization:	Not reported
Ref Date:	Not reported
Act Date:	Not reported
Created Date:	Not reported
Tank Status:	Not reported
Owner Tank Id:	Not reported
Swrcb Tank Id:	43-060-401728-000005
Actv Date:	Not reported
Capacity:	8000
Tank Use:	M.V. FUEL
Stg:	PRODUCT
Content:	REG UNLEADED
Number Of Tanks:	Not reported

Status:	Not reported
Comp Number:	401728

CAPITOL SHELL (Continued) **S102415344**

Number:	Not reported
Board Of Equalization:	Not reported
Ref Date:	Not reported
Act Date:	Not reported
Created Date:	Not reported
Tank Status:	Not reported
Owner Tank Id:	Not reported
Swrcb Tank Id:	43-060-401728-000006
Actv Date:	Not reported
Capacity:	8000
Tank Use:	M.V. FUEL
Stg:	PRODUCT
Content:	LEADED
Number Of Tanks:	Not reported

A2 Target Property **SHELL OIL COMPANY** **LUST** **S105512912**
1705 BERRYESSA RD **HIST LUST** **N/A**
SAN JOSE, CA 95133

Site 2 of 11 in cluster A

Actual: 89 ft.

LUST:

Region:	STATE
Global Id:	T0608501266
Latitude:	37.3735
Longitude:	-121.87255
Case Type:	LUST Cleanup Site
Status:	Completed - Case Closed
Status Date:	1996-07-23 00:00:00
Lead Agency:	SANTA CLARA COUNTY LOP
Case Worker:	Not reported
Local Agency:	SANTA CLARA COUNTY LOP
RB Case Number:	Not reported
LOC Case Number:	Not reported
File Location:	Stored electronically as an E-file
Potential Media Affect:	ndwater (uses other than drinking water)
Potential Contaminants of Concern:	Gasoline
Site History:	Not reported

LUST REG 2:

Region:	2
Facility Id:	Not reported
Facility Status:	Case Closed
Case Number:	06S1E33D01f
How Discovered:	Not reported
Leak Cause:	Not reported
Leak Source:	Not reported
Date Leak Confirmed:	Not reported
Oversight Program:	LUST
Prelim. Site Assesment Wokplan Submitted:	Not reported
Preliminary Site Assesment Began:	7/14/1987
Pollution Characterization Began:	7/14/1987
Pollution Remediation Plan Submitted:	Not reported
Date Remediation Action Underway:	Not reported
Date Post Remedial Action Monitoring Began:	Not reported

SHELL OIL COMPANY (Continued) **S105512912**

LUST SANTA CLARA:
Region: SANTA CLARA
SCVWD ID: 06S1E33D01f
Closed Date: 7/23/1996

HIST LUST SANTA CLARA:
Region: SANTA CLARA
Region Code: 2
SCVWD ID: 06S1E33D01
Oversite Agency: SCVWD
Date Listed: 1992-01-01 00:00:00
Closed Date: 1996-07-23 00:00:00

A3 Target Property | **EQUILON ENTERPRISES LLC/SHELL STATION** | **RCRA-LQG** | **1007199283**
1705 BERRYESSA | **CAD981402787**
SAN JOSE, CA 95150

Site 3 of 11 in cluster A

Actual: 89 ft.

RCRA-LQG:
Date form received by agency: 10/12/2000
Facility name: EQUILON ENTERPRISES LLC/SHELL STATION
Facility address: 1705 BERRYESSA
SAN JOSE, CA 95150
EPA ID: CAD981402787
Mailing address: PO BOX 2099
HOUSTON, TX 772522099
Contact: SONDRA BIENVENU
Contact address: Not reported
Not reported
Contact country: Not reported
Contact telephone: (713) 241-2258
Contact email: Not reported
EPA Region: 09
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

Handler Activities Summary:
U.S. importer of hazardous waste: Unknown
Mixed waste (haz. and radioactive): Unknown
Recycler of hazardous waste: Unknown
Transporter of hazardous waste: Unknown
Treater, storer or disposer of HW: No
Underground injection activity: Unknown
On-site burner exemption: Unknown

EQUILON ENTERPRISES LLC/SHELL STATION (Continued) **1007199283**

Furnace exemption:	Unknown
Used oil fuel burner:	Unknown
Used oil processor:	Unknown
User oil refiner:	Unknown
Used oil fuel marketer to burner:	Unknown
Used oil Specification marketer:	Unknown
Used oil transfer facility:	Unknown
Used oil transporter:	Unknown
Off-site waste receiver:	Commercial status unknown

Violation Status: No violations found

A4 Target Property **SHELL** **HAZNET** **S105126499**
1705 BERRYESSA LUNDY **N/A**
SAN JOSE, CA 95150

Site 4 of 11 in cluster A

Actual: 89 ft.

HAZNET:

Gepaid:	CAD981402787
Contact:	EQUILON ENTERPRISES LLC
Telephone:	7132412258
Facility Addr2:	Not reported
Mailing Name:	Not reported
Mailing Address:	PO BOX 4453
Mailing City,St,Zip:	HOUSTON, TX 772104453
Gen County:	Santa Clara
TSD EPA ID:	CAD009466392
TSD County:	7
Waste Category:	Empty containers less than 30 gallons
Disposal Method:	Recycler
Tons:	0.3
Facility County:	Santa Clara

Gepaid:	CAD981402787
Contact:	EQUILON ENTERPRISES LLC
Telephone:	7132412258
Facility Addr2:	Not reported
Mailing Name:	Not reported
Mailing Address:	PO BOX 4453
Mailing City,St,Zip:	HOUSTON, TX 772104453
Gen County:	Santa Clara
TSD EPA ID:	CAD028409019
TSD County:	Los Angeles
Waste Category:	Aqueous solution with less than 10% total organic residues
Disposal Method:	Treatment, Tank
Tons:	4.17
Facility County:	Santa Clara

A5 Target Property | **CHAVEZ ENTERPRISES INC.**
1705 BERRYESSA RD
SAN JOSE, CA 95150 | **HIST UST** | **U001603179**
N/A

Site 5 of 11 in cluster A

Actual: 89 ft.

HIST UST:

Region:	STATE
Facility ID:	00000010973
Facility Type:	Gas Station
Other Type:	Not reported
Total Tanks:	0004
Contact Name:	Not reported
Telephone:	4082722324
Owner Name:	SHELL OIL COMPANY
Owner Address:	P.O. BOX 4848
Owner City,St,Zip:	ANAHEIM, CA 92803

Tank Num:	001
Container Num:	1
Year Installed:	1974
Tank Capacity:	00008000
Tank Used for:	PRODUCT
Type of Fuel:	PREMIUM
Tank Construction:	1/4 inches
Leak Detection:	Stock Inventor, 10

Tank Num:	002
Container Num:	2
Year Installed:	1974
Tank Capacity:	00008000
Tank Used for:	PRODUCT
Type of Fuel:	REGULAR
Tank Construction:	1/4 inches
Leak Detection:	Stock Inventor, 10

Tank Num:	003
Container Num:	3
Year Installed:	1974
Tank Capacity:	00008000
Tank Used for:	PRODUCT
Type of Fuel:	UNLEADED
Tank Construction:	1/4 inches
Leak Detection:	Stock Inventor, 10

Tank Num:	004
Container Num:	4
Year Installed:	Not reported
Tank Capacity:	00000550
Tank Used for:	WASTE
Type of Fuel:	WASTE OIL
Tank Construction:	12 gauge
Leak Detection:	Stock Inventor, 10

A6	**SHELL SERVICE STATION**	**RCRA-SQG**	**1005904522**
Target	**1705 BERRYESSA**	**FINDS**	**CAR000127373**
Property	**SAN JOSE, CA 95150**	**HAZNET**	

Site 6 of 11 in cluster A

Actual: 89 ft.

RCRA-SQG:

Date form received by agency:	09/03/2002
Facility name:	SHELL SERVICE STATION
Facility address:	1705 BERRYESSA S A P 136010 SAN JOSE, CA 95150
EPA ID:	CAR000127373
Mailing address:	P O BOX 2648 HOUSTON, TX 772522648
Contact:	SONDRA BIENVENU
Contact address:	P O BOX 2648 HOUSTON, TX 772522648
Contact country:	US
Contact telephone:	(713) 241-5036
Contact email:	Not reported
EPA Region:	09
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:	EQUILON ENTERPRISES LLC DBA
Owner/operator address:	P O BOX 2648 HOUSTON, TX 77252
Owner/operator country:	Not reported
Owner/operator telephone:	(713) 241-5036
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:	Unknown
Mixed waste (haz. and radioactive):	Unknown
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:	Unknown
Furnace exemption:	Unknown
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
Off-site waste receiver:	Commercial status unknown

SHELL SERVICE STATION (Continued) **1005904522**

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

Violation Status: No violations found

FINDS:

Registry ID: 110013293186

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:

Gepaid: CAR000127373
Contact: R HULL/ENV. REPORTING ANALYST
Telephone: 2818742224
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: 12700 NORTHBOROUGH DR 300G03
Mailing City,St,Zip: Houston, TX 770670000
Gen County: Santa Clara
TSD EPA ID: CAD028409019
TSD County: Los Angeles
Waste Category: Waste oil and mixed oil
Disposal Method: Transfer Station
Tons: 0.06
Facility County: Santa Clara

Gepaid: CAR000127373
Contact: R HULL/ENV. REPORTING ANALYST
Telephone: 2818742224
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: 12700 NORTHBOROUGH DR 300G03
Mailing City,St,Zip: Houston, TX 770670000
Gen County: Santa Clara

SHELL SERVICE STATION (Continued) **1005904522**

TSD EPA ID: CAD008830290
TSD County: Not reported
Waste Category: Other organic solids
Disposal Method: H141
Tons: 0.02
Facility County: Santa Clara

Gepaid: CAR000127373
Contact: N CORTEZ/ENVT'L DATA ANALYST
Telephone: 2818742224
Facility Addr2: S A P 136010
Mailing Name: Not reported
Mailing Address: 12700 NORTHBOROUGH DRIVE MFT 240-G
Mailing City,St,Zip: Houston, TX 770672508
Gen County: Santa Clara
TSD EPA ID: CAD982444481
TSD County: Santa Clara
Waste Category: Other organic solids
Disposal Method: Recycler
Tons: 0.09
Facility County: Santa Clara

Gepaid: CAR000127373
Contact: N CORTEZ/ENVT'L DATA ANALYST
Telephone: 2818742224
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: 12700 NORTHBOROUGH DRIVE MFT 240-G
Mailing City,St,Zip: Houston, TX 770672508
Gen County: Santa Clara
TSD EPA ID: WAD991281767
TSD County: 99
Waste Category: Other organic solids
Disposal Method: Recycler
Tons: 0.03
Facility County: Not reported

Gepaid: CAR000127373
Contact: R HULL/ENV. REPORTING ANALYST
Telephone: 2818742224
Facility Addr2: S A P 136010
Mailing Name: Not reported
Mailing Address: 12700 NORTHBOROUGH DR 300G03
Mailing City,St,Zip: Houston, TX 770670000
Gen County: Santa Clara
TSD EPA ID: CAD008302903
TSD County: Los Angeles
Waste Category: Other organic solids
Disposal Method: H141
Tons: 0.05
Facility County: Santa Clara

Click this hyperlink while viewing on your computer to access
4 additional CA_HAZNET: record(s) in the EDR Site Report.

A7 Target Property | **BERRYESSA SHELL**
1705 BERRYESSA RD
SAN JOSE, CA 95133 | **HAZNET** | **S108743138**
N/A

Site 7 of 11 in cluster A

Actual: 89 ft.

HAZNET:

Gepaid:	CAL000293138
Contact:	JOHN R EDWARDS
Telephone:	5105810230
Facility Addr2:	Not reported
Mailing Name:	Not reported
Mailing Address:	3649 JAMISON WAY
Mailing City,St,Zip:	CASTRO VALLEY, CA 945460000
Gen County:	Santa Clara
TSD EPA ID:	CAD980887418
TSD County:	Alameda
Waste Category:	Unspecified oil-containing waste
Disposal Method:	Transfer Station
Tons:	0.05
Facility County:	Santa Clara

A8 Target Property | **1705 BERRYESSA SJ SHELL**
1705 BERRYESSA RD
SAN JOSE, CA 95133 | **CA WDS** | **S105455612**
N/A

Site 8 of 11 in cluster A

Actual: 89 ft.

CA WDS:

Facility ID:	San Francisco Bay 438597001
Facility Type:	Other - Does not fall into the category of Municipal/Domestic, Industrial, Agricultural or Solid Waste (Class I, II or III)
Facility Status:	Active - Any facility with a continuous or seasonal discharge that is under Waste Discharge Requirements.
NPDES Number:	CAG912002 The 1st 2 characters designate the state. The remaining 7 are assigned by the Regional Board
Subregion:	2
Facility Telephone:	4156818816
Facility Contact:	Keith Winemiller (Toxichem)
Agency Name:	SHELL OIL PRODUCTS U.S.
Agency Address:	Not reported
Agency City,St,Zip:	0
Agency Contact:	CAROL CAMPAGNA
Agency Telephone:	6179016512
Agency Type:	Private
SIC Code:	5541
SIC Code 2:	Not reported
Primary Waste:	Contaminated Ground Water
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:	Not reported
Secondary Waste Type:	Not reported
Design Flow:	0
Baseline Flow:	0
Reclamation:	No reclamation requirements associated with this facility.
POTW:	The facility is not a POTW.
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

1705 BERRYESSA SJ SHELL (Continued) **S105455612**

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.

A9 Target Property | **SHELL**
1705 BERRYESSA RD
SAN JOSE, CA 95118 | **HIST CORTESE**
LUST
HIST LUST | **S105126367**
N/A

Site 9 of 11 in cluster A

Actual: 89 ft.

CORTESE:

Region:	CORTESE
Facility County Code:	Not reported
Reg By:	Not reported
Reg Id:	Not reported

LUST:

Region:	STATE
Global Id:	T0608502428
Latitude:	37.373848
Longitude:	-121.873829
Case Type:	LUST Cleanup Site
Status:	Open - Remediation
Status Date:	2002-09-24 00:00:00
Lead Agency:	SANTA CLARA COUNTY LOP
Case Worker:	Not reported
Local Agency:	SANTA CLARA COUNTY LOP
RB Case Number:	19-110
LOC Case Number:	06S1E33D03f
File Location:	Stored electronically as an E-file
Potential Media Affect:	ndwater (uses other than drinking water)
Potential Contaminants of Concern:	Gasoline
Site History:	Not reported

LUST REG 2:

Region:	2
Facility Id:	Not reported
Facility Status:	Pollution Characterization
Case Number:	06S1E33D03f
How Discovered:	Not reported
Leak Cause:	Not reported
Leak Source:	Not reported
Date Leak Confirmed:	Not reported
Oversight Program:	LUST
Prelim. Site Assesment Wokplan Submitted:	Not reported
Preliminary Site Assesment Began:	1/19/1999
Pollution Characterization Began:	6/23/1999
Pollution Remediation Plan Submitted:	Not reported
Date Remediation Action Underway:	Not reported
Date Post Remedial Action Monitoring Began:	Not reported

SHELL (Continued) **S105126367**

HIST LUST SANTA CLARA:
Region: SANTA CLARA
Region Code: 2
SCVWD ID: 06S1E33D03
Oversite Agency: SCCDEH
Date Listed: 1999-03-15 00:00:00
Closed Date: Not reported

A10
NE
< 1/8
0.014 mi.
75 ft.

CHEVRON #9-6215 **LUST** **S105030336**
1715 BERRYESSA RD **HIST LUST** **N/A**
SAN JOSE, CA 95131 **SAN JOSE HAZMAT**
SWEEPS UST
Site 10 of 11 in cluster A **HAZNET**

Relative:
Higher

Actual:
90 ft.

LUST:
Region: STATE
Global Id: T0608500353
Latitude: 37.373985
Longitude: -121.87207
Case Type: LUST Cleanup Site
Status: Completed - Case Closed
Status Date: 2005-02-14 00:00:00
Lead Agency: SANTA CLARA COUNTY LOP
Case Worker: Not reported
Local Agency: SANTA CLARA COUNTY LOP
RB Case Number: Not reported
LOC Case Number: Not reported
File Location: Stored electronically as an E-file
Potential Media Affect: ndwater (uses other than drinking water)
Potential Contaminants of Concern: Gasoline
Site History: Not reported

LUST REG 2:
Region: 2
Facility Id: Not reported
Facility Status: Post remedial action monitoring
Case Number: 06S1E33D02f
How Discovered: Not reported
Leak Cause: Not reported
Leak Source: Not reported
Date Leak Confirmed: Not reported
Oversight Program: LUST
Prelim. Site Assesment Wokplan Submitted: Not reported
Preliminary Site Assesment Began: 10/1/1984
Pollution Characterization Began: 6/1/1989
Pollution Remediation Plan Submitted: Not reported
Date Remediation Action Underway: Not reported
Date Post Remedial Action Monitoring Began: 6/1/1992

LUST SANTA CLARA:
Region: SANTA CLARA
SCVWD ID: 06S1E33D02f
Closed Date: 2/14/2005

HIST LUST SANTA CLARA:
Region: SANTA CLARA

CHEVRON #9-6215 (Continued) **S105030336**

Region Code: 2
SCVWD ID: 06S1E33D02
Oversite Agency: SCVWD
Date Listed: 1985-01-01 00:00:00
Closed Date: 2005-02-14 00:00:00

SAN JOSE HAZMAT:
Region: SAN JOSE
File Num: 405014
Class: Gasoline Station

SWEEPS UST:
Status: A
Comp Number: 405014
Number: 9
Board Of Equalization: Not reported
Ref Date: 09-30-92
Act Date: 09-08-92
Created Date: 02-29-88
Tank Status: A
Owner Tank Id: Not reported
Swrcb Tank Id: 43-060-405014-000001
Actv Date: Not reported
Capacity: 10000
Tank Use: M.V. FUEL
Stg: P
Content: REG UNLEADED
Number Of Tanks: 4

Status: A
Comp Number: 405014
Number: 9
Board Of Equalization: Not reported
Ref Date: 09-30-92
Act Date: 09-08-92
Created Date: 02-29-88
Tank Status: A
Owner Tank Id: Not reported
Swrcb Tank Id: 43-060-405014-000002
Actv Date: Not reported
Capacity: 6000
Tank Use: M.V. FUEL
Stg: P
Content: LEADED
Number Of Tanks: Not reported

Status: A
Comp Number: 405014
Number: 9
Board Of Equalization: Not reported
Ref Date: 09-30-92
Act Date: 09-08-92
Created Date: 02-29-88
Tank Status: A
Owner Tank Id: Not reported
Swrcb Tank Id: 43-060-405014-000003

CHEVRON #9-6215 (Continued) **S105030336**

Actv Date:	Not reported
Capacity:	10000
Tank Use:	M.V. FUEL
Stg:	P
Content:	REG UNLEADED
Number Of Tanks:	Not reported

Status:	A
Comp Number:	405014
Number:	9
Board Of Equalization:	Not reported
Ref Date:	09-30-92
Act Date:	09-08-92
Created Date:	02-29-88
Tank Status:	A
Owner Tank Id:	Not reported
Swrcb Tank Id:	43-060-405014-000004
Actv Date:	Not reported
Capacity:	1500
Tank Use:	OIL
Stg:	W
Content:	Not reported
Number Of Tanks:	Not reported

HAZNET:

Gepaid:	CAL000218687
Contact:	LAM VAN THUONG
Telephone:	4082590403
Facility Addr2:	Not reported
Mailing Name:	LIM VAN THUONG/OWNER
Mailing Address:	1715 BERRYESSA RD
Mailing City,St,Zip:	SAN JOSE, CA 951330000
Gen County:	Santa Clara
TSD EPA ID:	CAL000161743
TSD County:	Santa Clara
Waste Category:	Aqueous solution with less than 10% total organic residues
Disposal Method:	Recycler
Tons:	0.22
Facility County:	Santa Clara

Gepaid:	CAL000218687
Contact:	LAM VAN THUONG
Telephone:	4082590403
Facility Addr2:	Not reported
Mailing Name:	Not reported
Mailing Address:	1715 BERRYESSA RD
Mailing City,St,Zip:	SAN JOSE, CA 951330000
Gen County:	Santa Clara
TSD EPA ID:	CAL000161743
TSD County:	Santa Clara
Waste Category:	Aqueous solution with less than 10% total organic residues
Disposal Method:	Recycler
Tons:	0.22
Facility County:	Santa Clara

Gepaid:	CAL000218687
Contact:	LAM VAN THUONG

CHEVRON #9-6215 (Continued) **S105030336**

Telephone:	4082590403
Facility Addr2:	Not reported
Mailing Name:	Not reported
Mailing Address:	1715 BERRYESSA RD
Mailing City,St,Zip:	SAN JOSE, CA 951330000
Gen County:	Santa Clara
TSD EPA ID:	CAL000161743
TSD County:	Santa Clara
Waste Category:	Aqueous solution with less than 10% total organic residues
Disposal Method:	Recycler
Tons:	0.64
Facility County:	Not reported

Gepaid:	CAL000218687
Contact:	LAM VAN THUONG
Telephone:	4082590403
Facility Addr2:	Not reported
Mailing Name:	Not reported
Mailing Address:	1715 BERRYESSA RD
Mailing City,St,Zip:	SAN JOSE, CA 951330000
Gen County:	Santa Clara
TSD EPA ID:	CAL000161743
TSD County:	Santa Clara
Waste Category:	Aqueous solution with less than 10% total organic residues
Disposal Method:	H141
Tons:	0.23
Facility County:	Santa Clara

Gepaid:	CAL000218687
Contact:	LAM VAN THUONG
Telephone:	4082590403
Facility Addr2:	Not reported
Mailing Name:	Not reported
Mailing Address:	1715 BERRYESSA RD
Mailing City,St,Zip:	SAN JOSE, CA 951330000
Gen County:	Santa Clara
TSD EPA ID:	CAL000161743
TSD County:	Santa Clara
Waste Category:	Aqueous solution with less than 10% total organic residues
Disposal Method:	H039
Tons:	0.23
Facility County:	Santa Clara

Click this hyperlink while viewing on your computer to access
1 additional CA_HAZNET: record(s) in the EDR Site Report.

A11 **96215** **HIST UST** **U001603022**
NE **1715 BERRYESSA RD** **N/A**
< 1/8 **SAN JOSE, CA 95131**
0.014 mi.
75 ft. **Site 11 of 11 in cluster A**

Relative:
Higher

Actual:
90 ft.

HIST UST:

Region:	STATE
Facility ID:	00000062860
Facility Type:	Gas Station
Other Type:	Not reported
Total Tanks:	0004

96215 (Continued) **U001603022**

Contact Name: SEPTON, LARRY
Telephone: 4082590403
Owner Name: CHEVRON U.S.A. INC.
Owner Address: 575 MARKET
Owner City,St,Zip: SAN FRANCISCO, CA 94105

Tank Num: 001
Container Num: 1
Year Installed: 1971
Tank Capacity: 00010000
Tank Used for: PRODUCT
Type of Fuel: Not reported
Tank Construction: 0000250 unknown
Leak Detection: Stock Inventor

Tank Num: 002
Container Num: 2
Year Installed: 1971
Tank Capacity: 00006000
Tank Used for: PRODUCT
Type of Fuel: Not reported
Tank Construction: 0000250 unknown
Leak Detection: Stock Inventor

Tank Num: 003
Container Num: 3
Year Installed: 1971
Tank Capacity: 00010000
Tank Used for: PRODUCT
Type of Fuel: Not reported
Tank Construction: 0000250 unknown
Leak Detection: Stock Inventor

Tank Num: 004
Container Num: 4
Year Installed: 1971
Tank Capacity: 00001000
Tank Used for: WASTE
Type of Fuel: Not reported
Tank Construction: 0000250 unknown
Leak Detection: Stock Inventor

12
East
< 1/8
0.091 mi.
479 ft.

PHOTO PLUS
972 LUNDY AVE
SAN JOSE, CA 95133

RCRA-SQG **1000818914**
FINDS **CAD983648494**
HAZNET

Relative:
Higher

Actual:
93 ft.

RCRA-SQG:
Date form received by agency: 09/21/1992
Facility name: PHOTO PLUS
Facility address: 972 LUNDY AVE
SAN JOSE, CA 95133
EPA ID: CAD983648494
Mailing address: LUNDY AVE
SAN JOSE, CA 95133
Contact: SHIRLENE CHEN
Contact address: 972 LUNDY AVE

PHOTO PLUS (Continued) **1000818914**

SAN JOSE, CA 95133
Contact country: US
Contact telephone: (408) 251-1639
Contact email: Not reported
EPA Region: 09
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: GRANDY CHEN
Owner/operator address: 1724 WINSTON
SAN JOSE, CA 95131
Owner/operator country: Not reported
Owner/operator telephone: (408) 251-0701
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: Unknown
Mixed waste (haz. and radioactive): Unknown
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: Unknown
Furnace exemption: Unknown
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
Off-site waste receiver: Commercial status unknown

Violation Status: No violations found

FINDS:

Registry ID: 110002884736

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.

PHOTO PLUS (Continued) **1000818914**

HAZNET:

Gepaid:	CAD983648494
Contact:	GRANDY CHEN
Telephone:	4082510701
Facility Addr2:	Not reported
Mailing Name:	Not reported
Mailing Address:	972 LUNDY AVE
Mailing City,St,Zip:	SAN JOSE, CA 951331514
Gen County:	Santa Clara
TSD EPA ID:	CAD003963592
TSD County:	Santa Clara
Waste Category:	Photochemicals/photoprocessing waste
Disposal Method:	Recycler
Tons:	.2502
Facility County:	Santa Clara

Gepaid:	CAD983648494
Contact:	GRANDY CHEN
Telephone:	4082510701
Facility Addr2:	Not reported
Mailing Name:	Not reported
Mailing Address:	972 LUNDY AVE
Mailing City,St,Zip:	SAN JOSE, CA 951331514
Gen County:	Santa Clara
TSD EPA ID:	CAD981161367
TSD County:	Marin
Waste Category:	Photochemicals/photoprocessing waste
Disposal Method:	Recycler
Tons:	1.2510
Facility County:	Santa Clara

B13 **THE CELTIS GROUP** **SAN JOSE HAZMAT** **S108419262**
SW **1655 BERRYESSA RD SUITE A** **N/A**
1/8-1/4 **, CA 95133**
0.125 mi.
660 ft. **Site 1 of 3 in cluster B**

Relative:
Lower

Actual:
84 ft.

SAN JOSE HAZMAT:

Region:	SAN JOSE
File Num:	406280
Class:	Auto Wrecking/Misc Simple Facility

B14 **BLACK MTN SPRING WATER** **SWEEPS UST** **S106923377**
SW **1655 BERRYESSA RD A** **N/A**
1/8-1/4 **SAN JOSE, CA 95133**
0.125 mi.
660 ft. **Site 2 of 3 in cluster B**

Relative:
Lower

Actual:
84 ft.

SWEEPS UST:

Status:	Not reported
Comp Number:	406280
Number:	Not reported
Board Of Equalization:	Not reported
Ref Date:	Not reported
Act Date:	Not reported
Created Date:	Not reported

BLACK MTN SPRING WATER (Continued) **S106923377**

Tank Status:	Not reported
Owner Tank Id:	Not reported
Swrcb Tank Id:	43-060-406280-000001
Actv Date:	Not reported
Capacity:	10000
Tank Use:	M.V. FUEL
Stg:	PRODUCT
Content:	DIESEL
Number Of Tanks:	4

Status:	Not reported
Comp Number:	406280
Number:	Not reported
Board Of Equalization:	Not reported
Ref Date:	Not reported
Act Date:	Not reported
Created Date:	Not reported
Tank Status:	Not reported
Owner Tank Id:	Not reported
Swrcb Tank Id:	43-060-406280-000002
Actv Date:	Not reported
Capacity:	1000
Tank Use:	OIL
Stg:	WASTE
Content:	Not reported
Number Of Tanks:	Not reported

Status:	Not reported
Comp Number:	406280
Number:	Not reported
Board Of Equalization:	Not reported
Ref Date:	Not reported
Act Date:	Not reported
Created Date:	Not reported
Tank Status:	Not reported
Owner Tank Id:	Not reported
Swrcb Tank Id:	43-060-406280-000003
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:	406280
Number:	Not reported
Board Of Equalization:	Not reported
Ref Date:	Not reported
Act Date:	Not reported
Created Date:	Not reported
Tank Status:	Not reported
Owner Tank Id:	Not reported
Swrcb Tank Id:	43-060-406280-000004
Actv Date:	Not reported
Capacity:	3000
Tank Use:	CHEMICAL

BLACK MTN SPRING WATER (Continued) **S106923377**

Stg: PRODUCT
Content: Not reported
Number Of Tanks: Not reported

B15 **FACCHINO FREIGHT LINES** **HIST CORTESE** **U001603097**
SW **1655 BERRYESSA RD** **LUST** **N/A**
1/8-1/4 **SAN JOSE, CA 95160** **HIST LUST**
0.134 mi. **HIST UST**
709 ft. **Site 3 of 3 in cluster B** **HAZNET**

Relative:
Lower

Actual:
83 ft.

CORTESE:
Region: CORTESE
Facility County Code: 43
Reg By: LTNKA
Reg Id: 43-0553

LUST:
Region: STATE
Global Id: T0608500595
Latitude: 37.3641
Longitude: -121.8844
Case Type: LUST Cleanup Site
Status: Completed - Case Closed
Status Date: 1996-12-06 00:00:00
Lead Agency: SANTA CLARA COUNTY LOP
Case Worker: Not reported
Local Agency: SANTA CLARA COUNTY LOP
RB Case Number: Not reported
LOC Case Number: Not reported
File Location: Stored electronically as an E-file
Potential Media Affect: ndwater (uses other than drinking water)
Potential Contaminants of Concern: Diesel
Site History: Not reported

LUST REG 2:
Region: 2
Facility Id: Not reported
Facility Status: Case Closed
Case Number: 06S1E32A01f
How Discovered: Not reported
Leak Cause: Not reported
Leak Source: Not reported
Date Leak Confirmed: Not reported
Oversight Program: LUST
Prelim. Site Assesment Wokplan Submitted: Not reported
Preliminary Site Assesment Began: 7/27/1988
Pollution Characterization Began: 11/9/1992
Pollution Remediation Plan Submitted: Not reported
Date Remediation Action Underway: Not reported
Date Post Remedial Action Monitoring Began: Not reported

LUST SANTA CLARA:
Region: SANTA CLARA
SCVWD ID: 06S1E32A01f
Closed Date: 12/6/1996

FACCHINO FREIGHT LINES (Continued) **U001603097**

HIST LUST SANTA CLARA:

Region:	SANTA CLARA
Region Code:	2
SCVWD ID:	06S1E32A01
Oversite Agency:	SCVWD
Date Listed:	1989-01-01 00:00:00
Closed Date:	1996-12-06 00:00:00

HIST UST:

Region:	STATE
Facility ID:	00000011173
Facility Type:	Other
Other Type:	TRUCKING
Total Tanks:	0004
Contact Name:	Not reported
Telephone:	4082874433
Owner Name:	BERNARD J. FACCHINO
Owner Address:	1655 BERRYESSA RD
Owner City,St,Zip:	SAN JOSE, CA 95133

Tank Num:	001
Container Num:	#1
Year Installed:	1974
Tank Capacity:	00010000
Tank Used for:	PRODUCT
Type of Fuel:	DIESEL
Tank Construction:	Not reported
Leak Detection:	Stock Inventor

Tank Num:	002
Container Num:	#2
Year Installed:	1974
Tank Capacity:	00010000
Tank Used for:	WASTE
Type of Fuel:	REGULAR
Tank Construction:	Not reported
Leak Detection:	Stock Inventor

Tank Num:	003
Container Num:	#3
Year Installed:	1974
Tank Capacity:	00001000
Tank Used for:	WASTE
Type of Fuel:	WASTE OIL
Tank Construction:	Not reported
Leak Detection:	Stock Inventor

Tank Num:	004
Container Num:	#4
Year Installed:	1974
Tank Capacity:	00004000
Tank Used for:	PRODUCT
Type of Fuel:	Not reported
Tank Construction:	Not reported
Leak Detection:	Stock Inventor

FACCHINO FREIGHT LINES (Continued) **U001603097**

HAZNET:

Gepaid:	CAC002624777
Contact:	JOHN VELASQUEZ
Telephone:	4084520777
Facility Addr2:	Not reported
Mailing Name:	Not reported
Mailing Address:	11665 BERRYESSA RD
Mailing City,St,Zip:	SAN JOSE, CA 951331010
Gen County:	Santa Clara
TSD EPA ID:	CAD980887418
TSD County:	Alameda
Waste Category:	Waste oil and mixed oil
Disposal Method:	H141
Tons:	6.65
Facility County:	Santa Clara

Gepaid:	CAC002624777
Contact:	JOHN VELASQUEZ
Telephone:	4084520777
Facility Addr2:	Not reported
Mailing Name:	Not reported
Mailing Address:	11665 BERRYESSA RD
Mailing City,St,Zip:	SAN JOSE, CA 951331010
Gen County:	Santa Clara
TSD EPA ID:	CAD982444481
TSD County:	San Bernardino
Waste Category:	Off-specification, aged, or surplus organics
Disposal Method:	H141
Tons:	0.99
Facility County:	Santa Clara

Gepaid:	CAC002624777
Contact:	JOHN VELASQUEZ
Telephone:	4084520777
Facility Addr2:	Not reported
Mailing Name:	Not reported
Mailing Address:	11665 BERRYESSA RD
Mailing City,St,Zip:	SAN JOSE, CA 951331010
Gen County:	Santa Clara
TSD EPA ID:	CAD982444481
TSD County:	San Bernardino
Waste Category:	Other organic solids
Disposal Method:	H141
Tons:	0.4
Facility County:	Santa Clara

Gepaid:	CAC002624777
Contact:	JOHN VELASQUEZ
Telephone:	4084520777
Facility Addr2:	Not reported
Mailing Name:	Not reported
Mailing Address:	11665 BERRYESSA RD
Mailing City,St,Zip:	SAN JOSE, CA 951331010
Gen County:	Santa Clara
TSD EPA ID:	CAD982444481
TSD County:	San Bernardino
Waste Category:	Other inorganic solid waste

FACCHINO FREIGHT LINES (Continued) **U001603097**

Disposal Method: H141
Tons: 0.45
Facility County: Santa Clara

Gepaid: CAC002624777
Contact: JOHN VELASQUEZ
Telephone: 4084520777
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: 11665 BERRYESSA RD
Mailing City,St,Zip: SAN JOSE, CA 951331010
Gen County: Santa Clara
TSD EPA ID: CAD059494310
TSD County: Santa Clara
Waste Category: Unspecified organic liquid mixture
Disposal Method: H141
Tons: 0.129
Facility County: Santa Clara

Click this hyperlink while viewing on your computer to access
2 additional CA_HAZNET: record(s) in the EDR Site Report.

16
North
1/8-1/4
0.163 mi.
859 ft.

C. J. VOSS & SONS **HIST UST** **U001603075**
1167 LUNDY AVE **N/A**
SAN JOSE, CA 95132

Relative:
Higher

Actual:
93 ft.

HIST UST:
Region: STATE
Facility ID: 00000035583
Facility Type: Other
Other Type: FARMING
Total Tanks: 0001
Contact Name: Not reported
Telephone: 4082587080
Owner Name: C. J. VOSS & SONS
Owner Address: 3212 RAVENSWOOD WAY
Owner City,St,Zip: SAN JOSE, CA 95148

Tank Num: 001
Container Num: 1
Year Installed: Not reported
Tank Capacity: 00000000
Tank Used for: PRODUCT
Type of Fuel: REGULAR
Tank Construction: Not reported
Leak Detection: Stock Inventor, None

17 SW 1/8-1/4 0.238 mi. 1256 ft. | **SYSTEC ELECTRONICS INC**
1630A BERRYESSA RD
SAN JOSE, CA 95133 | **RCRA-SQG FINDS** | **1000397964 CAD982505547**

Relative: Lower

Actual: 83 ft.

RCRA-SQG:

Date form received by agency:	06/09/1989
Facility name:	SYSTEC ELECTRONICS INC
Facility address:	1630A BERRYESSA RD SAN JOSE, CA 95133
EPA ID:	CAD982505547
Mailing address:	1605B MABURY RD SAN JOSE, CA 95133
Contact:	ENVIRONMENTAL MANAGER
Contact address:	1630A BERRYESSA RD SAN JOSE, CA 95133
Contact country:	US
Contact telephone:	(408) 729-0202
Contact email:	Not reported
EPA Region:	09
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:	DAVID KUO
Owner/operator address:	NOT REQUIRED NOT REQUIRED, ME 99999
Owner/operator country:	Not reported
Owner/operator telephone:	(415) 555-1212
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported
Owner/operator name:	NOT REQUIRED
Owner/operator address:	NOT REQUIRED NOT REQUIRED, ME 99999
Owner/operator country:	Not reported
Owner/operator telephone:	(415) 555-1212
Legal status:	Private
Owner/Operator Type:	Operator
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Handler Activities Summary:

U.S. importer of hazardous waste:	Unknown
Mixed waste (haz. and radioactive):	Unknown
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:	Unknown
Furnace exemption:	Unknown

SYSTEC ELECTRONICS INC (Continued) **1000397964**

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
Off-site waste receiver: Commercial status unknown

Violation Status: No violations found

FINDS:

Registry ID: 110002835763

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.

18
SW
1/4-1/2
0.318 mi.
1678 ft.

SAN JOSE FLEA MARKET
1590 BERRYESSA RD
SAN JOSE, CA 95133

HIST CORTESE **S102808740**
LUST **N/A**
HIST LUST
HAZNET

Relative:
Lower

Actual:
82 ft.

CORTESE:
Region: CORTESE
Facility County Code: 43
Reg By: LTNKA
Reg Id: 43-1188

LUST:
Region: STATE
Global Id: T0608502408
Latitude: 37.372572
Longitude: -121.878636
Case Type: LUST Cleanup Site
Status: Completed - Case Closed
Status Date: 2000-10-30 00:00:00
Lead Agency: SANTA CLARA COUNTY LOP
Case Worker: Not reported
Local Agency: SANTA CLARA COUNTY LOP
RB Case Number: Not reported
LOC Case Number: Not reported
File Location: Stored electronically as an E-file
Potential Media Affect: ndwater (uses other than drinking water)
Potential Contaminants of Concern: Gasoline
Site History: Not reported

Region: STATE
Global Id: T0608501176
Latitude: 37.368582
Longitude: -121.878927

SAN JOSE FLEA MARKET (Continued) **S102808740**

Case Type:	LUST Cleanup Site
Status:	Completed - Case Closed
Status Date:	1996-04-04 00:00:00
Lead Agency:	SANTA CLARA COUNTY LOP
Case Worker:	Not reported
Local Agency:	SANTA CLARA COUNTY LOP
RB Case Number:	Not reported
LOC Case Number:	Not reported
File Location:	Stored electronically as an E-file
Potential Media Affect:	ndwater (uses other than drinking water)
Potential Contaminants of Concern:	Gasoline
Site History:	Not reported

LUST REG 2:

Region:	2
Facility Id:	Not reported
Facility Status:	Case Closed
Case Number:	06S1E32H01f
How Discovered:	Not reported
Leak Cause:	Not reported
Leak Source:	Not reported
Date Leak Confirmed:	Not reported
Oversight Program:	LUST
Prelim. Site Assesment Wokplan Submitted:	Not reported
Preliminary Site Assesment Began:	9/1/1985
Pollution Characterization Began:	9/6/1991
Pollution Remediation Plan Submitted:	Not reported
Date Remediation Action Underway:	Not reported
Date Post Remedial Action Monitoring Began:	Not reported

Region:	2
Facility Id:	Not reported
Facility Status:	Case Closed
Case Number:	06S1E33E01f
How Discovered:	Not reported
Leak Cause:	Not reported
Leak Source:	Not reported
Date Leak Confirmed:	Not reported
Oversight Program:	LUST
Prelim. Site Assesment Wokplan Submitted:	Not reported
Preliminary Site Assesment Began:	4/28/1999
Pollution Characterization Began:	6/24/1999
Pollution Remediation Plan Submitted:	Not reported
Date Remediation Action Underway:	Not reported
Date Post Remedial Action Monitoring Began:	Not reported

LUST SANTA CLARA:

Region:	SANTA CLARA
SCVWD ID:	06S1E32H01f
Closed Date:	4/4/1996

Region:	SANTA CLARA
SCVWD ID:	06S1E33E01f
Closed Date:	10/30/2000

SAN JOSE FLEA MARKET (Continued) **S102808740**

HIST LUST SANTA CLARA:

Region:	SANTA CLARA
Region Code:	2
SCVWD ID:	06S1E32H01
Oversite Agency:	SCVWD
Date Listed:	1991-03-21 00:00:00
Closed Date:	1996-04-04 00:00:00

Region:	SANTA CLARA
Region Code:	2
SCVWD ID:	06S1E33E01
Oversite Agency:	SCVWD
Date Listed:	1999-08-20 00:00:00
Closed Date:	2000-10-30 00:00:00

HAZNET:

Gepaid:	CAD983646431
Contact:	JERRY DENNY/ENVIRO HEALTH
Telephone:	4084531110
Facility Addr2:	Not reported
Mailing Name:	Not reported
Mailing Address:	1590 BERRYESSA RD
Mailing City,St,Zip:	SAN JOSE, CA 951331003
Gen County:	Santa Clara
TSD EPA ID:	CAD003963592
TSD County:	Santa Clara
Waste Category:	Photochemicals/photoprocessing waste
Disposal Method:	H010
Tons:	0.06255
Facility County:	Santa Clara

Gepaid:	CAD983646431
Contact:	JERRY DENNY/ENVIRO HEALTH
Telephone:	4084531110
Facility Addr2:	Not reported
Mailing Name:	Not reported
Mailing Address:	1590 BERRYESSA RD
Mailing City,St,Zip:	SAN JOSE, CA 951331003
Gen County:	Santa Clara
TSD EPA ID:	CAD980884183
TSD County:	Sacramento
Waste Category:	Off-specification, aged, or surplus organics
Disposal Method:	H141
Tons:	0.1815
Facility County:	Santa Clara

Gepaid:	CAD983646431
Contact:	SAN JOSE FLEA MARKET
Telephone:	4084531110
Facility Addr2:	Not reported
Mailing Name:	Not reported
Mailing Address:	1590 BERRYESSA RD
Mailing City,St,Zip:	SAN JOSE, CA 951331003
Gen County:	Santa Clara
TSD EPA ID:	CAD009466392
TSD County:	7

SAN JOSE FLEA MARKET (Continued) **S102808740**

Waste Category:	Other empty containers 30 gallons or more
Disposal Method:	Recycler
Tons:	8.75
Facility County:	Santa Clara

Gepaid:	CAD983646431
Contact:	SAN JOSE FLEA MARKET
Telephone:	4084531110
Facility Addr2:	Not reported
Mailing Name:	Not reported
Mailing Address:	1590 BERRYESSA RD
Mailing City,St,Zip:	SAN JOSE, CA 951331003
Gen County:	Santa Clara
TSD EPA ID:	CAL000161743
TSD County:	Santa Clara
Waste Category:	Waste oil and mixed oil
Disposal Method:	Transfer Station
Tons:	5.0456
Facility County:	Santa Clara

Gepaid:	CAL000208547
Contact:	MARIA VILLAR
Telephone:	4082986411
Facility Addr2:	Not reported
Mailing Name:	Not reported
Mailing Address:	283 WILLOW ST.
Mailing City,St,Zip:	SAN JOSE, CA 951100000
Gen County:	Santa Clara
TSD EPA ID:	CAL000212588
TSD County:	Santa Clara
Waste Category:	Unspecified organic liquid mixture
Disposal Method:	Treatment, Tank
Tons:	.0417
Facility County:	Santa Clara

Click this hyperlink while viewing on your computer to access
47 additional CA_HAZNET: record(s) in the EDR Site Report.

19
NE
1/4-1/2
0.381 mi.
2009 ft.

SCR-SOLVENT SERVICE INC. **HIST CORTESE** **S105026242**
1021 BERRYESA **N/A**
SAN JOSE, CA 95112

Relative:
Higher

Actual:
108 ft.

CORTESE:

Region:	CORTESE
Facility County Code:	43
Reg By:	WBC&D
Reg Id:	2 438086N01

C20 NE 1/4-1/2 0.477 mi. 2519 ft. | **AMERICAN METAL & IRON 11665 BERRYESSA SAN JOSE, CA 95133** | **LUST** | **S107863117 N/A**

Site 1 of 6 in cluster C

Relative: Higher

Actual: 113 ft.

LUST:

Region:	STATE
Global Id:	T0608530079
Latitude:	37.36739
Longitude:	-121.883285
Case Type:	LUST Cleanup Site
Status:	Open - Site Assessment
Status Date:	2006-05-12 00:00:00
Lead Agency:	SANTA CLARA COUNTY LOP
Case Worker:	Not reported
Local Agency:	SANTA CLARA COUNTY LOP
RB Case Number:	14-758
LOC Case Number:	06S1E32G03f
File Location:	Stored electronically as an E-file
Potential Media Affect:	ed for drinking water supply
Potential Contaminants of Concern:	Diesel
Site History:	Regulatory closure recieved on January 1997 from SCVWD with residual concentrations of TPHg, Benzene and MTBE following removal of a 550 gallon gasoline UST on July 1985. A 1,000 gallon diesel UST was subsequently installed in the same location as the previous gasoline UST. On February 2006 the 1,000 gallon diesel UST was removed and soil samples collected from tank excavation showed the following contaminants:TPHmo 3,300 ppm, TPHg 57ppm, Benzene .0075 ppm and MTBE .0078 ppm at 10 1/2 fbg. Work plan with proposed scope of work including removal of petroleum hydrocarbon impacted soil, soil sampling and grab groundwater sampling was received by LOP and approved in letter dated February 17, 2009. Subsurface investigation has not taken place to date.

C21 NE 1/4-1/2 0.477 mi. 2520 ft. | **CITY METALS AND SALVAGE INC 11665 BERRYESSA RD SAN JOSE, CA 95133** | **RCRA-NonGen FINDS CA WDS HIST CORTESE LUST HIST LUST HAZNET** | **1001231325 CAR000039065**

Site 2 of 6 in cluster C

Relative: Higher

Actual: 113 ft.

RCRA-NonGen:

Date form received by agency:	04/22/1998
Facility name:	CITY METALS AND SALVAGE INC
Facility address:	11665 BERRYESSA RD SAN JOSE, CA 95133
EPA ID:	CAR000039065
Contact:	HOWARD MISLE
Contact address:	11665 BERRYESSA RD SAN JOSE, CA 95133
Contact country:	US
Contact telephone:	(408) 452-0777
Contact email:	Not reported
EPA Region:	09
Classification:	Non-Generator
Description:	Handler: Non-Generators do not presently generate hazardous waste

CITY METALS AND SALVAGE INC (Continued) **1001231325**

Owner/Operator Summary:

Owner/operator name:	RUBIN JURMAN
Owner/operator address:	11665 BERRYESSA RD SAN JOSE, CA 95133
Owner/operator country:	Not reported
Owner/operator telephone:	(408) 452-0777
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:	Unknown
Mixed waste (haz. and radioactive):	Unknown
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:	Unknown
Furnace exemption:	Unknown
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
Off-site waste receiver:	Commercial status unknown

Hazardous Waste Summary:

Waste code:	D000
Waste name:	Not Defined
Waste code:	D008
Waste name:	LEAD
Violation Status:	No violations found

FINDS:

Registry ID: 110002922080

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.

CA WDS:

Facility ID:	San Francisco Bay 43I012370
Facility Type:	Not reported
Facility Status:	Active - Any facility with a continuous or seasonal discharge that is under Waste Discharge Requirements.

CITY METALS AND SALVAGE INC (Continued) **1001231325**

NPDES Number:	CAS000001 The 1st 2 characters designate the state. The remaining 7 are assigned by the Regional Board
Subregion:	2
Facility Telephone:	Not reported
Facility Contact:	Not reported
Agency Name:	CITY METALS & SALVAGE INC
Agency Address:	Not reported
Agency City,St,Zip:	0
Agency Contact:	Not reported
Agency Telephone:	Not reported
Agency Type:	Not reported
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.

CORTESE:

Region:	CORTESE
Facility County Code:	43
Reg By:	LTNKA
Reg Id:	43-0358

LUST:

Region:	STATE
Global Id:	T0608500413
Latitude:	37.3784
Longitude:	-121.8677
Case Type:	LUST Cleanup Site
Status:	Completed - Case Closed
Status Date:	1997-01-23 00:00:00
Lead Agency:	SANTA CLARA COUNTY LOP
Case Worker:	Not reported
Local Agency:	SANTA CLARA COUNTY LOP
RB Case Number:	Not reported
LOC Case Number:	Not reported
File Location:	Stored electronically as an E-file
Potential Media Affect:	ndwater (uses other than drinking water)
Potential Contaminants of Concern:	Gasoline

CITY METALS AND SALVAGE INC (Continued) **1001231325**

Site History: Not reported

LUST REG 2:

Region:	2
Facility Id:	Not reported
Facility Status:	Case Closed
Case Number:	06S1E32G01f
How Discovered:	Not reported
Leak Cause:	Not reported
Leak Source:	Not reported
Date Leak Confirmed:	Not reported
Oversight Program:	LUST
Prelim. Site Assesment Wokplan Submitted:	Not reported
Preliminary Site Assesment Began:	9/1/1989
Pollution Characterization Began:	7/10/1992
Pollution Remediation Plan Submitted:	Not reported
Date Remediation Action Underway:	Not reported
Date Post Remedial Action Monitoring Began:	Not reported

LUST SANTA CLARA:

Region:	SANTA CLARA
SCVWD ID:	06S1E32G01f
Closed Date:	1/23/1997

HIST LUST SANTA CLARA:

Region:	SANTA CLARA
Region Code:	2
SCVWD ID:	06S1E32G01
Oversite Agency:	SCVWD
Date Listed:	1986-01-01 00:00:00
Closed Date:	1997-01-23 00:00:00

HAZNET:

Gepaid:	CAL000188086
Contact:	MATT SESSLER
Telephone:	4084520777
Facility Addr2:	Not reported
Mailing Name:	Not reported
Mailing Address:	11665 BERRYESSA RD
Mailing City,St,Zip:	SAN JOSE, CA 951330000
Gen County:	Santa Clara
TSD EPA ID:	CAD059494310
TSD County:	Santa Clara
Waste Category:	Latex waste
Disposal Method:	Transfer Station
Tons:	0.5
Facility County:	Santa Clara

C22 NE 1/4-1/2 0.477 mi. 2520 ft. | **AMERICAN METAL & IRON INC**
11665 BERRYESSA RD
SAN JOSE, CA 95133

Site 3 of 6 in cluster C

SWRCY **S101326084**
HAZNET **N/A**

Relative: Higher

Actual: 113 ft.

SWRCY:

Certification Status:	O
Facility Phone Number:	(408) 452-0777
Date facility became certified:	5/8/2000
Date facility began operating:	5/9/2000
Date facility ceased operating:	Still operating
Whether The Facility Is Grandfathered:	Not reported
Convenience Zone Where Faciltiy Located:	Not Accepted
Convenience Zone Where Faciltiy Located 2:	Not Accepted
Convenience Zone Where Faciltiy Located 3:	Not Accepted
Convenience Zone Where Faciltiy Located 4:	Not Accepted
Convenience Zone Where Faciltiy Located 5:	Not Accepted
Convenience Zone Where Faciltiy Located 6:	Not Accepted
Convenience Zone Where Faciltiy Located 7:	Not Accepted
Aluminum Beverage Containers Redeemed:	AL
Glass Beverage Containers Redeemed:	GL
Plastic Beverage Containers Redeemed:	PL
Other mat beverage containers redeemed:	Not reported
Refillable Beverage Containers Redeemed:	Not reported

HAZNET:

Gepaid:	CAL000221009
Contact:	HOWARD MISLE-PRESIDENT
Telephone:	4084520777
Facility Addr2:	Not reported
Mailing Name:	Not reported
Mailing Address:	11665 BERRYESSA RD
Mailing City,St,Zip:	SAN JOSE, CA 951330000
Gen County:	Santa Clara
TSD EPA ID:	CAD009466392
TSD County:	Contra Costa
Waste Category:	Other empty containers 30 gallons or more
Disposal Method:	Recycler
Tons:	0.5
Facility County:	Santa Clara

Gepaid:	CAL000221009
Contact:	AMERICAN METAL & IRON INC
Telephone:	4084520777
Facility Addr2:	Not reported
Mailing Name:	Not reported
Mailing Address:	11665 BERRYESSA RD
Mailing City,St,Zip:	SAN JOSE, CA 951330000
Gen County:	Santa Clara
TSD EPA ID:	CAD028409019
TSD County:	Los Angeles
Waste Category:	Waste oil and mixed oil
Disposal Method:	Treatment, Tank
Tons:	.6880
Facility County:	Santa Clara

Gepaid:	CAL000221009
Contact:	AMERICAN METAL & IRON INC

AMERICAN METAL & IRON INC (Continued) **S101326084**

Telephone:	4084520777
Facility Addr2:	Not reported
Mailing Name:	Not reported
Mailing Address:	11665 BERRYESSA RD
Mailing City,St,Zip:	SAN JOSE, CA 951330000
Gen County:	Santa Clara
TSD EPA ID:	CAT080033681
TSD County:	Los Angeles
Waste Category:	Other organic solids
Disposal Method:	Disposal, Land Fill
Tons:	2.0500
Facility County:	Santa Clara

Gepaid:	CAL000221009
Contact:	AMERICAN METAL & IRON INC
Telephone:	4084520777
Facility Addr2:	Not reported
Mailing Name:	Not reported
Mailing Address:	11665 BERRYESSA RD
Mailing City,St,Zip:	SAN JOSE, CA 951330000
Gen County:	Santa Clara
TSD EPA ID:	CAT080033681
TSD County:	Los Angeles
Waste Category:	Other inorganic solid waste
Disposal Method:	Disposal, Land Fill
Tons:	4.5000
Facility County:	Santa Clara

Gepaid:	CAL000221009
Contact:	AMERICAN METAL & IRON INC
Telephone:	4084520777
Facility Addr2:	Not reported
Mailing Name:	Not reported
Mailing Address:	11665 BERRYESSA RD
Mailing City,St,Zip:	SAN JOSE, CA 951330000
Gen County:	Santa Clara
TSD EPA ID:	CAL000161743
TSD County:	Santa Clara
Waste Category:	Waste oil and mixed oil
Disposal Method:	Not reported
Tons:	.6255
Facility County:	Santa Clara

Click this hyperlink while viewing on your computer to access
14 additional CA_HAZNET: record(s) in the EDR Site Report.

C23 **AMERICAN METAL & IRON** **NPDES** **S107995292**
NE **11665 BERRYESSA RD** **LUST** **N/A**
1/4-1/2 **SAN JOSE, CA**
0.477 mi.
2520 ft. **Site 4 of 6 in cluster C**

Relative:
Higher

Actual:
113 ft.

NPDES:

Npdes Number:	Not reported
Facility Status:	Active
Agency Id:	231937
Region:	2
Regulatory Measure Id:	277002

AMERICAN METAL & IRON (Continued) **S107995292**

Order No:	97-03-DWQ
Regulatory Measure Type:	Storm water industrial
Place Id:	616915
WDID:	2 43I019895
Program Type:	INDSTW
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	11/2/2005
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Howard Misle
Discharge Address:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported

LUST SANTA CLARA:

Region:	SANTA CLARA
SCVWD ID:	06S1E32G03f
Closed Date:	Not reported

C24 **GRANITE ROCK COMPANY** **HIST CORTESE** **S103393897**
NE **11711 BERRYESSA AVE** **LUST** **N/A**
1/4-1/2 **SAN JOSE, CA 95133** **HIST LUST**
0.487 mi.
2570 ft. **Site 5 of 6 in cluster C**

Relative:
Higher

Actual:
113 ft.

CORTESE:

Region:	CORTESE
Facility County Code:	43
Reg By:	LTNKA
Reg Id:	43-2253

LUST:

Region:	STATE
Global Id:	T0608588808
Latitude:	37.367958
Longitude:	-121.882333
Case Type:	LUST Cleanup Site
Status:	Completed - Case Closed
Status Date:	1999-12-06 00:00:00
Lead Agency:	SANTA CLARA COUNTY LOP
Case Worker:	Not reported
Local Agency:	SANTA CLARA COUNTY LOP
RB Case Number:	Not reported
LOC Case Number:	Not reported
File Location:	Stored electronically as an E-file
Potential Media Affect:	ndwater (uses other than drinking water)
Potential Contaminants of Concern:	Diesel
Site History:	Not reported

LUST REG 2:

Region:	2
Facility Id:	Not reported
Facility Status:	Case Closed
Case Number:	06S1E32G02f
How Discovered:	Not reported

GRANITE ROCK COMPANY (Continued) **S103393897**

Leak Cause: Not reported
Leak Source: Not reported
Date Leak Confirmed: Not reported
Oversight Program: LUST
Prelim. Site Assesment Wokplan Submitted: Not reported
Preliminary Site Assesment Began: 3/19/1998
Pollution Characterization Began: 3/26/1998
Pollution Remediation Plan Submitted: Not reported
Date Remediation Action Underway: Not reported
Date Post Remedial Action Monitoring Began: Not reported

LUST SANTA CLARA:
Region: SANTA CLARA
SCVWD ID: 06S1E32G02f
Closed Date: 12/6/1999

HIST LUST SANTA CLARA:
Region: SANTA CLARA
Region Code: 2
SCVWD ID: 06S1E32G02
Oversite Agency: SCVWD
Date Listed: 1998-05-04 00:00:00
Closed Date: 1999-12-06 00:00:00

C25 **HARRIS FEEDING COMPANY** **NPDES** **S101303857**
NE **11740 BERRYESSA RD** **CA WDS** **N/A**
1/4-1/2 **SAN JOSE, CA 95133** **HIST CORTESE**
0.496 mi. **LUST**
2620 ft. **Site 6 of 6 in cluster C** **HIST LUST**

Relative:
Higher

Actual:
114 ft.

NPDES:
Npdes Number: Not reported
Facility Status: Active
Agency Id: 44449
Region: 2
Regulatory Measure Id: 184292
Order No: 97-03-DWQ
Regulatory Measure Type: Storm water industrial
Place Id: 261886
WDID: 2 43I017401
Program Type: INDSTW
Adoption Date Of Regulatory Measure: Not reported
Effective Date Of Regulatory Measure: 7/29/2002
Expiration Date Of Regulatory Measure: Not reported
Termination Date Of Regulatory Measure: Not reported
Discharge Name: SRDC Inc
Discharge Address: 1265 Montecito Ave Ste 200
Discharge City: Mountain View
Discharge State: CA
Discharge Zip: 94043-4581

CA WDS:
Facility ID: San Francisco Bay 43I017401
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

HARRIS FEEDING COMPANY (Continued) **S101303857**

	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:	2
Facility Telephone:	Not reported
Facility Contact:	BYLUND THOMAS
Agency Name:	SRDC INC
Agency Address:	1265 Montecito Ave Ste 200
Agency City,St,Zip:	Mountain View 940434581
Agency Contact:	FERRARI LARRY
Agency Telephone:	6509612742
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.

CORTESE:

Region:	CORTESE
Facility County Code:	43
Reg By:	LTNKA
Reg Id:	43-1203

Region:	CORTESE
Facility County Code:	43
Reg By:	LTNKA
Reg Id:	43-1193

LUST:

Region:	STATE
Global Id:	T0608501190
Latitude:	37.367313
Longitude:	-121.880365
Case Type:	LUST Cleanup Site

HARRIS FEEDING COMPANY (Continued) **S101303857**

Status: Completed - Case Closed
Status Date: 1996-08-29 00:00:00
Lead Agency: SANTA CLARA COUNTY LOP
Case Worker: Not reported
Local Agency: SANTA CLARA COUNTY LOP
RB Case Number: Not reported
LOC Case Number: Not reported
File Location: Stored electronically as an E-file
Potential Media Affect: ndwater (uses other than drinking water)
Potential Contaminants of Concern: Gasoline
Site History: Not reported

Region: STATE
Global Id: T0608501180
Latitude: 37.367313
Longitude: -121.880365
Case Type: LUST Cleanup Site
Status: Completed - Case Closed
Status Date: 1991-09-04 00:00:00
Lead Agency: SANTA CLARA COUNTY LOP
Case Worker: Not reported
Local Agency: SANTA CLARA COUNTY LOP
RB Case Number: Not reported
LOC Case Number: Not reported
File Location: Stored electronically as an E-file
Potential Media Affect: K 1
Potential Contaminants of Concern: Diesel
Site History: Not reported

LUST REG 2:
Region: 2
Facility Id: Not reported
Facility Status: Case Closed
Case Number: 06S1E32J01f
How Discovered: Not reported
Leak Cause: Not reported
Leak Source: Not reported
Date Leak Confirmed: Not reported
Oversight Program: LUST
Prelim. Site Assesment Wokplan Submitted: Not reported
Preliminary Site Assesment Began: 2/18/1991
Pollution Characterization Began: Not reported
Pollution Remediation Plan Submitted: Not reported
Date Remediation Action Underway: Not reported
Date Post Remedial Action Monitoring Began: Not reported

Region: 2
Facility Id: Not reported
Facility Status: Case Closed
Case Number: 06S1E32J02f
How Discovered: Not reported
Leak Cause: Not reported
Leak Source: Not reported
Date Leak Confirmed: Not reported
Oversight Program: LUST
Prelim. Site Assesment Wokplan Submitted: Not reported
Preliminary Site Assesment Began: 3/20/1991

HARRIS FEEDING COMPANY (Continued) **S101303857**

Pollution Characterization Began: 3/20/1991
Pollution Remediation Plan Submitted: Not reported
Date Remediation Action Underway: Not reported
Date Post Remedial Action Monitoring Began: Not reported

LUST SANTA CLARA:
Region: SANTA CLARA
SCVWD ID: 06S1E32J01f
Closed Date: 9/4/1991

Region: SANTA CLARA
SCVWD ID: 06S1E32J02f
Closed Date: 8/29/1996

HIST LUST SANTA CLARA:
Region: SANTA CLARA
Region Code: 2
SCVWD ID: 06S1E32J01
Oversite Agency: SCVWD
Date Listed: 1990-09-14 00:00:00
Closed Date: 1991-09-04 00:00:00

Region: SANTA CLARA
Region Code: 2
SCVWD ID: 06S1E32J02
Oversite Agency: SCVWD
Date Listed: 1991-05-29 00:00:00
Closed Date: 1996-08-29 00:00:00

---

26 **CHERRY ACRES PARTNERSHIP** **VCP** **S106896815**
SSE **1671 MABURY** **ENVIROSTOR** **N/A**
1/2-1 **SAN JOSE, CA 95133**
0.511 mi.
2700 ft.

Relative:
Equal

Actual:
89 ft.

VCP:
Facility ID: 43330031
Site Type: Voluntary Cleanup
Site Type Detail: Voluntary Cleanup
Site Mgmt. Req.: Not reported
Acres: 3.98
National Priorities List: NO
Cleanup Oversight Agencies: SMBRP
Lead Agency: SMBRP
Lead Agency Description: DTSC - Site Mitigation And Brownfield Reuse Program
Project Manager: KATHARINE HILF
Supervisor: Karen Toth
Division Branch: Berkeley
Site Code: 201588
Assembly: 23
Senate: 13
Special Programs Code: Voluntary Cleanup Program
Status: No Further Action
Status Date: 2006-02-06 00:00:00
Restricted Use: NO
Funding: Responsible Party
Lat/Long: 37.3671566265061 / -121.87045

CHERRY ACRES PARTNERSHIP (Continued) **S106896815**

APN:	Not reported
Past Use:	Not reported
Potential COC:	Not reported
Confirmed COC:	Not reported
Potential Description:	Not reported
Alias Name:	43330031
Alias Type:	Envirostor ID Number
Alias Name:	254-17-098
Alias Type:	APN
Alias Name:	254-17-077
Alias Type:	APN
Alias Name:	110033620348
Alias Type:	EPA (FRS #)
Alias Name:	201588
Alias Type:	Project Code (Site Code)

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Preliminary Endangerment Assessment Report
Completed Date:	2006-01-13 00:00:00
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Removal Action Completion Report
Completed Date:	2006-02-06 00:00:00
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Voluntary Cleanup Agreement
Completed Date:	2005-02-04 00:00:00
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	*Voluntary Cleanup Agreement Completion
Completed Date:	2006-02-06 00:00:00
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:	3.98
NPL:	NO
Regulatory Agencies:	SMBRP
Lead Agency:	SMBRP
Program Manager:	KATHARINE HILF
Supervisor:	Karen Toth
Division Branch:	Berkeley

CHERRY ACRES PARTNERSHIP (Continued) **S106896815**

Facility ID:	43330031
Site Code:	201588
Assembly:	23
Senate:	13
Special Program:	Voluntary Cleanup Program
Status:	No Further Action
Status Date:	2006-02-06 00:00:00
Restricted Use:	NO
Site Mgmt. Req.:	NONE SPECIFIED
Funding:	Responsible Party
Latitude:	37.3671566265061
Longitude:	-121.87045
APN:	254-17-098, 254-17-077
Past Use:	AGRICULTURAL - ORCHARD, METAL PLATING - OTHER
Potential COC:	10061, 30013, 3002502, 30407
Confirmed COC:	3002502
Potential Description:	SOIL
Alias Name:	43330031
Alias Type:	Envirostor ID Number
Alias Name:	254-17-098
Alias Type:	APN
Alias Name:	254-17-077
Alias Type:	APN
Alias Name:	110033620348
Alias Type:	EPA (FRS #)
Alias Name:	201588
Alias Type:	Project Code (Site Code)

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Preliminary Endangerment Assessment Report
Completed Date:	2006-01-13 00:00:00
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Removal Action Completion Report
Completed Date:	2006-02-06 00:00:00
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Voluntary Cleanup Agreement
Completed Date:	2005-02-04 00:00:00
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	*Voluntary Cleanup Agreement Completion
Completed Date:	2006-02-06 00:00:00
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

27 SSE 1/2-1 0.688 mi. 3634 ft. | **SAFETY KLEEN 660 LENFEST RD SAN JOSE, CA 95133** | **CA WDS NPDES DRYCLEANERS HAZNET HWP** | **S104565471 N/A**

Relative: Lower

Actual: 86 ft.

CA WDS:

Facility ID:	San Francisco Bay 43I017732
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:	2
Facility Telephone:	4084515000
Facility Contact:	ROLLINS TOM
Agency Name:	CLEAN HARBORS SAN JOSE LLC
Agency Address:	1040 Commercial St
Agency City,St,Zip:	San Jose 951121418
Agency Contact:	ROLLINS TOM
Agency Telephone:	4084515000
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.

NPDES:

Npdes Number:	Not reported
Facility Status:	Active
Agency Id:	11242
Region:	2
Regulatory Measure Id:	184306
Order No:	97-03-DWQ
Regulatory Measure Type:	Storm water industrial
Place Id:	217916

SAFETY KLEEN (Continued) **S104565471**

WDID:	2 43I017732
Program Type:	INDSTW
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	1/8/2003
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Clean Harbors San Jose LLC
Discharge Address:	1040 Commercial St
Discharge City:	San Jose
Discharge State:	CA
Discharge Zip:	95112-1418

DRYCLEANERS:

EPA Id:	CAL000191813
NAICS Code:	81232
NAICS Description:	Drycleaning and Laundry Services (except Coin-Operated)
SIC Code:	7219
SIC Description:	Laundry and Garment Services, NEC (except diaper service and clothing alteration and repair)
Create Date:	12/3/2002 3:25:00 PM
Facility Active:	Yes
Inactive Date:	Not reported
Facility Addr2:	Not reported
Mailing Name:	CLEAN HARBORS SAN JOSE, LLC
Mailing Address:	1021 BERRYESSA RD
Mailing Address 2:	Not reported
Mailing State:	CA
Mailing Zip:	951331004
Region Code:	2
Owner Name:	CLEAN HARBORS SAN JOSE, LLC
Owner Address:	1021 BERRYESSA RD
Owner Address 2:	Not reported
Owner Telephone:	4084410962
Contact Name:	MICHAEL MARLOWE/PLANT GEN MGR
Contact Address:	1021 BERRYESSA RD
Contact Address 2:	Not reported
Contact Telephone:	4084410962

EPA Id:	CAL000191813
NAICS Code:	81232
NAICS Description:	Drycleaning and Laundry Services (except Coin-Operated)
SIC Code:	7211
SIC Description:	Power Laundries, Family and Commercial
Create Date:	12/3/2002 3:25:00 PM
Facility Active:	Yes
Inactive Date:	Not reported
Facility Addr2:	Not reported
Mailing Name:	CLEAN HARBORS SAN JOSE, LLC
Mailing Address:	1021 BERRYESSA RD
Mailing Address 2:	Not reported
Mailing State:	CA
Mailing Zip:	951331004
Region Code:	2
Owner Name:	CLEAN HARBORS SAN JOSE, LLC
Owner Address:	1021 BERRYESSA RD
Owner Address 2:	Not reported
Owner Telephone:	4084410962
Contact Name:	MICHAEL MARLOWE/PLANT GEN MGR

SAFETY KLEEN (Continued) **S104565471**

Contact Address: 1021 BERRYESSA RD
Contact Address 2: Not reported
Contact Telephone: 4084410962

EPA Id: CAL000191813
NAICS Code: 81232
NAICS Description: Drycleaning and Laundry Services (except Coin-Operated)
SIC Code: 7389
SIC Description: Business Services, NEC (apparel pressing service for the trade)
Create Date: 12/3/2002 3:25:00 PM
Facility Active: Yes
Inactive Date: Not reported
Facility Addr2: Not reported
Mailing Name: CLEAN HARBORS SAN JOSE, LLC
Mailing Address: 1021 BERRYESSA RD
Mailing Address 2: Not reported
Mailing State: CA
Mailing Zip: 951331004
Region Code: 2
Owner Name: CLEAN HARBORS SAN JOSE, LLC
Owner Address: 1021 BERRYESSA RD
Owner Address 2: Not reported
Owner Telephone: 4084410962
Contact Name: MICHAEL MARLOWE/PLANT GEN MGR
Contact Address: 1021 BERRYESSA RD
Contact Address 2: Not reported
Contact Telephone: 4084410962

EPA Id: CAL000191813
NAICS Code: 81232
NAICS Description: Drycleaning and Laundry Services (except Coin-Operated)
SIC Code: 7216
SIC Description: Drycleaning Plants, Except Rug Cleaning
Create Date: 12/3/2002 3:25:00 PM
Facility Active: Yes
Inactive Date: Not reported
Facility Addr2: Not reported
Mailing Name: CLEAN HARBORS SAN JOSE, LLC
Mailing Address: 1021 BERRYESSA RD
Mailing Address 2: Not reported
Mailing State: CA
Mailing Zip: 951331004
Region Code: 2
Owner Name: CLEAN HARBORS SAN JOSE, LLC
Owner Address: 1021 BERRYESSA RD
Owner Address 2: Not reported
Owner Telephone: 4084410962
Contact Name: MICHAEL MARLOWE/PLANT GEN MGR
Contact Address: 1021 BERRYESSA RD
Contact Address 2: Not reported
Contact Telephone: 4084410962

EPA Id: CAL000191813
NAICS Code: 81232
NAICS Description: Drycleaning and Laundry Services (except Coin-Operated)
SIC Code: 7212
SIC Description: Garment Pressing, and Agents for Laundries and Drycleaners

SAFETY KLEEN (Continued) **S104565471**

Create Date:	12/3/2002 3:25:00 PM
Facility Active:	Yes
Inactive Date:	Not reported
Facility Addr2:	Not reported
Mailing Name:	CLEAN HARBORS SAN JOSE, LLC
Mailing Address:	1021 BERRYESSA RD
Mailing Address 2:	Not reported
Mailing State:	CA
Mailing Zip:	951331004
Region Code:	2
Owner Name:	CLEAN HARBORS SAN JOSE, LLC
Owner Address:	1021 BERRYESSA RD
Owner Address 2:	Not reported
Owner Telephone:	4084410962
Contact Name:	MICHAEL MARLOWE/PLANT GEN MGR
Contact Address:	1021 BERRYESSA RD
Contact Address 2:	Not reported
Contact Telephone:	4084410962

HAZNET:

Gepaid:	CAC001088816
Contact:	SAFETY KLEEN
Telephone:	0000000000
Facility Addr2:	Not reported
Mailing Name:	Not reported
Mailing Address:	1040 COMMERCIAL ST
Mailing City,St,Zip:	SAN JOSE, CA 951331614
Gen County:	Santa Clara
TSD EPA ID:	CAD059494310
TSD County:	Santa Clara
Waste Category:	Unspecified oil-containing waste
Disposal Method:	Disposal, Other
Tons:	0.75
Facility County:	Santa Clara

Gepaid:	CAL000191813
Contact:	M. MARLOWE/SR. COMPLEANCE MGR
Telephone:	4084410962
Facility Addr2:	Not reported
Mailing Name:	Not reported
Mailing Address:	1021 BERRYESS ROAD
Mailing City,St,Zip:	SAN JOSE, CA 951330000
Gen County:	Santa Clara
TSD EPA ID:	Not reported
TSD County:	Not reported
Waste Category:	Unspecified solvent mixture Waste
Disposal Method:	Not reported
Tons:	2.5
Facility County:	Santa Clara

Gepaid:	CAL000191813
Contact:	MICHAEL MARLOWE/PLANT GEN MGR
Telephone:	4084410962
Facility Addr2:	Not reported
Mailing Name:	CLEAN HARBORS SAN JOSE, LLC
Mailing Address:	1021 BERRYESSA RD
Mailing City,St,Zip:	SAN JOSE, CA 951331004

SAFETY KLEEN (Continued) **S104565471**

Gen County: Santa Clara
TSD EPA ID: MIR000035204
TSD County: Not reported
Waste Category: Unspecified solvent mixture Waste
Disposal Method: H040
Tons: 73.4976
Facility County: Santa Clara

Gepaid: CAL000191813
Contact: MICHAEL MARLOWE/PLANT GEN MGR
Telephone: 4084410962
Facility Addr2: Not reported
Mailing Name: CLEAN HARBORS SAN JOSE, LLC
Mailing Address: 1021 BERRYESSA RD
Mailing City,St,Zip: SAN JOSE, CA 951331004
Gen County: Santa Clara
TSD EPA ID: TXD055141378
TSD County: 99
Waste Category: Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)
Disposal Method: H040
Tons: 16.6749
Facility County: Santa Clara

Gepaid: CAL000191813
Contact: MICHAEL MARLOWE/PLANT GEN MGR
Telephone: 4084410962
Facility Addr2: Not reported
Mailing Name: CLEAN HARBORS SAN JOSE, LLC
Mailing Address: 1021 BERRYESSA RD
Mailing City,St,Zip: SAN JOSE, CA 951331004
Gen County: Santa Clara
TSD EPA ID: ARD069748192
TSD County: 99
Waste Category: Unspecified solvent mixture Waste
Disposal Method: H040
Tons: 128.2788
Facility County: Santa Clara

Click this hyperlink while viewing on your computer to access
34 additional CA_HAZNET: record(s) in the EDR Site Report.

HWP:
EPA Id: CAL000191813
Latitude: 37.364327
Longitude: -121.870634
Facility Type: HAZ WASTE - OPERATING PERMIT
Cleanup Status: Not reported
Region: BERKELEY; STANDARDIZED PERMIT & CORRECTIVE ACTION
Permit Maintenance Lead: CHERRY PADILLA
Permit Renewal Lead: ALFRED WONG
Corrective Action Lead: Not reported
Supervisor: Not reported
Site Code: 22040, 520039
Assembly District: 23
Senate District: 13
Public Information Officer: Not reported

SAFETY KLEEN (Continued) **S104565471**

HWP:

EPA Id:	CAL000191813
Unit Names:	RAILSPUR
Event Description:	Part B Call-In
Actual Date:	2004-09-15 00:00:00
Doc Comments:	Administrative Completeness Letter 10/7/04

EPA Id:	CAL000191813
Unit Names:	RAILSPUR
Event Description:	Draft Permit Issued
Actual Date:	2007-06-13 00:00:00
Doc Comments:	Revised Draft Permit issued 6/13/07

EPA Id:	CAL000191813
Unit Names:	RAILSPUR
Event Description:	Final Determination
Actual Date:	2007-10-26 00:00:00
Doc Comments:	Final Permit issued 10/26/07 for Clean Harbors San Jose Rail Spur Unit, Response To Comments (RTC) a

EPA Id:	CAL000191813
Unit Names:	RAILSPUR
Event Description:	Public Notice
Actual Date:	2005-10-04 00:00:00
Doc Comments:	Draft Standardized Hazardous Waste FAcility Permit and Propsoed Negative Declaration for Clean Harbors

EPA Id:	CAL000191813
Unit Names:	RAILSPUR
Event Description:	Part B Call-In
Actual Date:	2004-03-09 00:00:00
Doc Comments:	Not reported

EPA Id:	CAL000191813
Unit Names:	RAILSPUR
Event Description:	Determined To Be Complete and Technically Adequate
Actual Date:	2005-10-30 00:00:00
Doc Comments:	Not reported

EPA Id:	CAL000191813
Unit Names:	RAILSPUR
Event Description:	Notice of Deficiency
Actual Date:	2005-01-28 00:00:00
Doc Comments:	Not reported

EPA Id:	CAL000191813
Unit Names:	RAILSPUR
Event Description:	Determined To Be Complete and Technically Adequate
Actual Date:	2007-06-12 00:00:00
Doc Comments:	Clean Harbors San Jose Rail Spur - Lenfest Technical Completeness Letter

EPA Id:	CAL000191813
Unit Names:	RAILSPUR
Event Description:	Final Permit Effective
Actual Date:	2007-11-27 00:00:00
Doc Comments:	Permit effective 11/27/07

Facility Status:	Clean Harbors San Jose, LLC operates a rail spur transfer facility at 660 Lenfest Road in San Jose for bulk liquid which includes both hazardous wastes

SAFETY KLEEN (Continued) **S104565471**

and hazardous substances. The type of hazardous wastes allowed at the facility is Oily Water, Lean Water, Fuels, Aqueous Solution and Recyclable Liquids. DTSC issued a Standardized Hazardous Waste Facility Permit on October 26, 2007. The Permit became effective on November 27, 2007 and expires on November 26, 2017. The maximum hazardous waste transfer and storage capacity at the Lenfest Facility at any given time is 56,500 gallons. The Lenfest Facility only accepts bulk liquid hazardous wastes originating from Clean Harbors San Jose, LLC, located at 1021 Berryessa Road, San Jose, California (Berryessa Facility). The Berryessa Facility has a Hazardous Waste Facility Permit for treatment and storage of hazardous waste and provides the staff, supervision and management for the Lenfest Facility. The Berryessa Facility also provides Lenfest Facility with registered hazardous waste transporters or licensed third party haulers to transport hazardous wastes in closed tanker trucks or vacuum trucks from the Berryessa Facility to the Lenfest Facility. Both the Berryessa Facility and Lenfest Facility are operated by Clean Harbors San Jose LLC, located at 1021 Berryessa Road, San Jose, California. The distance between the Berryessa Facility and the Lenfest Facility is approximately one mile. The Lenfest Facility has one permitted Transfer and Storage Unit for transfer and storage of hazardous waste. There are four rail tank cars stationed at the rail spur at any given time. Each rail tank car has a rail track pan for collecting drips and possible spills. Two of the rail trackpans connected by a collection header or drain pipe to an open sump. Transfer of hazardous waste from the tanker truck or vacuum truck parked on a concrete pad into the rail tank car is only allowed at rail tank cars that have rail track pans connected to the open sump. Transfer of hazardous waste from the tanker truck or vacuum truck is not allowed at the other two rail tank cars whose rail track pans are not connected to the open sump. Hazardous waste in each rail tank is stored at this facility up to ten days prior to shipment to various treatment, storage, recycling, or disposal facilities throughout the country.

Facility Status: Not reported

D28
SW
1/2-1
0.792 mi.
4182 ft.

Relative:
Lower

Actual:
79 ft.

CLEAN HARBORS SAN JOSE LLC
1021 BERRYESSA ROAD
SAN JOSE, CA 95133

Site 1 of 2 in cluster D

RCRA-TSDF **1000430269**
CERC-NFRAP **CAD059494310**
CORRACTS
RCRA-LQG
US ENG CONTROLS
US INST CONTROL
ROD
FINDS
HIST UST
SAN JOSE HAZMAT
MANIFEST
MANIFEST
HAZNET
ENVIROSTOR
HWP

RCRA-TSDF:

Date form received by agency:	02/24/2006
Facility name:	CLEAN HARBORS SAN JOSE LLC
Facility address:	1021 BERRYESSA ROAD SAN JOSE, CA 95133
EPA ID:	CAD059494310
Mailing address:	1040 COMMERCIAL STREET SUITE 109 SAN JOSE, CA 95112
Contact:	CHARLES RAQUET
Contact address:	Not reported

CLEAN HARBORS SAN JOSE LLC (Continued) **1000430269**

	Not reported
Contact country:	Not reported
Contact telephone:	(408) 451-5000
Contact email:	RAQUETC@CKEANHARBORS.COM
EPA Region:	09
Land type:	Private
Classification:	TSDF
Description:	Handler is engaged in the treatment, storage or disposal of hazardous waste
TSD commencement date:	Not reported
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:	CLEAN HARBORS SAN JOSE LLC
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:	09/07/2002
Owner/Op end date:	Not reported

Owner/operator name:	CLEAN HARBORS SAN JOSE LLC
Owner/operator address:	1021 BERYESSA ROAD
	SAN JOSE, CA 95133
Owner/operator country:	US
Owner/operator telephone:	Not reported
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	09/07/2002
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:	Yes
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No

CLEAN HARBORS SAN JOSE LLC (Continued) **1000430269**

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
Off-site waste receiver: Commercial status unknown

Universal Waste Summary:
Waste type: Batteries
Accumulated waste on-site: Yes
Generated waste on-site: No

Waste type: Lamps
Accumulated waste on-site: Yes
Generated waste on-site: No

Waste type: Pesticides
Accumulated waste on-site: No
Generated waste on-site: No

Waste type: Thermostats
Accumulated waste on-site: Yes
Generated waste on-site: No

Historical Generators:
Date form received by agency: 03/30/2004
Facility name: CLEAN HARBORS SAN JOSE LLC
Classification: Large Quantity Generator

Date form received by agency: 12/09/2002
Facility name: CLEAN HARBORS SAN JOSE LLC
Classification: Large Quantity Generator

Date form received by agency: 02/28/2002
Facility name: CLEAN HARBORS SAN JOSE LLC
Site name: SAFETY-KLEEN (SAN JOSE) INC
Classification: Large Quantity Generator

Date form received by agency: 10/12/2000
Facility name: CLEAN HARBORS SAN JOSE LLC
Site name: SAFETY-KLEEN (SAN JOSE), INC.
Classification: Large Quantity Generator

Date form received by agency: 01/05/2000
Facility name: CLEAN HARBORS SAN JOSE LLC
Site name: SAFETY KLEEN SAN JOSE INC
Classification: Not a generator, verified

Date form received by agency: 06/06/1999
Facility name: CLEAN HARBORS SAN JOSE LLC
Site name: LAIDLAW ENVIRONMENTAL SERV. (SAN JOSE)
Classification: Large Quantity Generator

Date form received by agency: 07/01/1997
Facility name: CLEAN HARBORS SAN JOSE LLC
Site name: SAFETY KLEEN SAN JOSE INC

CLEAN HARBORS SAN JOSE LLC (Continued) **1000430269**

Classification: Not a generator, verified

Date form received by agency: 09/01/1996
Facility name: CLEAN HARBORS SAN JOSE LLC
Site name: SAFETY KLEEN SAN JOSE INC
Classification: Large Quantity Generator

Date form received by agency: 02/29/1996
Facility name: CLEAN HARBORS SAN JOSE LLC
Site name: SOLVENT SERVICE CO INC
Classification: Large Quantity Generator

Date form received by agency: 03/30/1994
Facility name: CLEAN HARBORS SAN JOSE LLC
Site name: TRS - SAN JOSE; SOLVENT SERVICE CO., INC
Classification: Large Quantity Generator

Date form received by agency: 03/31/1992
Facility name: CLEAN HARBORS SAN JOSE LLC
Site name: SOLVENT SERVICE CO., INC.
Classification: Large Quantity Generator

Date form received by agency: 05/11/1990
Facility name: CLEAN HARBORS SAN JOSE LLC
Site name: SOLVENT SERVICE INC
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: D003
Waste name: A MATERIAL IS CONSIDERED TO BE A REACTIVE HAZARDOUS WASTE IF IT IS NORMALLY UNSTABLE, REACTS VIOLENTLY WITH WATER, GENERATES TOXIC GASES WHEN EXPOSED TO WATER OR CORROSIVE MATERIALS, OR IF IT IS CAPABLE OF DETONATION OR EXPLOSION WHEN EXPOSED TO HEAT OR A FLAME. ONE EXAMPLE OF SUCH WASTE WOULD BY WASTE GUNPOWDER.

Waste code: D004
Waste name: ARSENIC

Waste code: D005

CLEAN HARBORS SAN JOSE LLC (Continued) **1000430269**

Waste name: BARIUM

Waste code: D006
Waste name: CADMIUM

Waste code: D007
Waste name: CHROMIUM

Waste code: D008
Waste name: LEAD

Waste code: D009
Waste name: MERCURY

Waste code: D010
Waste name: SELENIUM

Waste code: D011
Waste name: SILVER

Waste code: D012
Waste name: ENDRIN

Waste code: D013
Waste name: LINDANE

Waste code: D014
Waste name: METHOXYCHLOR

Waste code: D015
Waste name: TOXAPHENE

Waste code: D016
Waste name: 2,4-D

Waste code: D018
Waste name: BENZENE

Waste code: D019
Waste name: CARBON TETRACHLORIDE

Waste code: D020
Waste name: CHLORDANE

Waste code: D021
Waste name: CHLOROBENZENE

Waste code: D022
Waste name: CHLOROFORM

Waste code: D023
Waste name: O-CRESOL

Waste code: D024
Waste name: M-CRESOL

Waste code: D025

CLEAN HARBORS SAN JOSE LLC (Continued) **1000430269**

Waste name: P-CRESOL

Waste code: D026
Waste name: CRESOL

Waste code: D027
Waste name: 1,4-DICHLOROBENZENE

Waste code: D028
Waste name: 1,2-DICHLOROETHANE

Waste code: D029
Waste name: 1,1-DICHLOROETHYLENE

Waste code: D030
Waste name: 2,4-DINITROTOLUENE

Waste code: D031
Waste name: HEPTACHLOR (AND ITS EPOXIDE).

Waste code: D032
Waste name: HEXACHLOROBENZENE

Waste code: D033
Waste name: HEXACHLOROBUTADIENE

Waste code: D034
Waste name: HEXACHLOROETHANE

Waste code: D035
Waste name: METHYL ETHYL KETONE

Waste code: D036
Waste name: NITROBENZENE

Waste code: D037
Waste name: PENTRACHLOROPHENOL

Waste code: D038
Waste name: PYRIDINE

Waste code: D039
Waste name: TETRACHLOROETHYLENE

Waste code: D040
Waste name: TRICHLOROETHYLENE

Waste code: D041
Waste name: 2,4,5-TRICHLOROPHENOL

Waste code: D042
Waste name: 2,4,6-TRICHLOROPHENOL

Waste code: D043
Waste name: VINYL CHLORIDE

Waste code: F001

CLEAN HARBORS SAN JOSE LLC (Continued) **1000430269**

Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS USED IN DEGREASING: TETRACHLOROETHYLENE, TRICHLOROETHYLENE, METHYLENE CHLORIDE, 1,1,1-TRICHLOROETHANE, CARBON TETRACHLORIDE, AND CHLORINATED FLUOROCARBONS; ALL SPENT SOLVENT MIXTURES/BLENDS USED IN DEGREASING CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F002, F004, AND F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Waste code: F002
Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2-TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE LISTED IN F001, F004, OR F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

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: F004
Waste name: THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: CRESOLS AND CRESYLIC ACID, AND NITROBENZENE; 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, 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.

Waste code: F006
Waste name: WASTEWATER TREATMENT SLUDGES FROM ELECTROPLATING OPERATIONS EXCEPT FROM THE FOLLOWING PROCESSES: (1) SULFURIC ACID ANODIZING OF ALUMINUM; (2) TIN PLATING ON CARBON STEEL; (3) ZINC PLATING (SEGREGATED BASIS) ON CARBON STEEL; (4) ALUMINUM OR ZINC-ALUMINUM PLATING ON CARBON STEEL; (5) CLEANING/STRIPPING ASSOCIATED WITH TIN, ZINC AND ALUMINUM PLATING ON CARBON STEEL; AND (6) CHEMICAL ETCHING AND MILLING OF ALUMINUM.

CLEAN HARBORS SAN JOSE LLC (Continued) **1000430269**

Waste code: F007
Waste name: SPENT CYANIDE PLATING BATH SOLUTIONS FROM ELECTROPLATING OPERATIONS

Waste code: F008
Waste name: PLATING BATH RESIDUES FROM THE BOTTOM OF PLATING BATHS FROM ELECTROPLATING OPERATIONS WHERE CYANIDES ARE USED IN THE PROCESS.

Waste code: F009
Waste name: SPENT STRIPPING AND CLEANING BATH SOLUTIONS FROM ELECTROPLATING OPERATIONS WHERE CYANIDES ARE USED IN THE PROCESS.

Waste code: F010
Waste name: QUENCHING BATH RESIDUES FROM OIL BATHS FROM METAL HEAT TREATING OPERATIONS WHERE CYANIDES ARE USED IN THE PROCESS.

Waste code: F011
Waste name: SPENT CYANIDE SOLUTIONS FROM SALT BATH POT CLEANING FROM METAL HEAT TREATING OPERATIONS.

Waste code: F012
Waste name: QUENCHING WASTE WATER TREATMENT SLUDGES FROM METAL HEAT TREATING OPERATIONS WHERE CYANIDES ARE USED IN THE PROCESS.

Waste code: F019
Waste name: WASTEWATER TREATMENT SLUDGES FROM THE CHEMICAL CONVERSION COATING OF ALUMINUM EXCEPT FROM ZIRCONIUM PHOSPHATING IN ALUMINUM CAN WASHING WHEN SUCH PHOSPHATING IS AN EXCLUSIVE CONVERSION COATING PROCESS.

Waste code: F024
Waste name: PROCESS WASTES, INCLUDING BUT NOT LIMITED TO, DISTILLATION RESIDUES, HEAVY ENDS, TARS, AND REACTOR CLEAN-OUT WASTES, FROM THE PRODUCTION OF CERTAIN CHLORINATED ALIPHATIC HYDROCARBONS BY FREE RADICAL CATALYZED PROCESSES. THESE CHLORINATED ALIPHATIC HYDROCARBONS ARE THOSE HAVING CARBON CHAIN LENGTHS RANGING FROM ONE TO AND INCLUDING FIVE, WITH VARYING AMOUNTS AND POSITIONS OF CHLORINE SUBSTITUTION. (THIS LISTING DOES NOT INCLUDE WASTEWATERS, WASTEWATER TREATMENT SLUDGES, SPENT CATALYSTS, AND WASTES LISTED IN SECTION 261.31 OR SECTION 261.32).

Waste code: F027
Waste name: DISCARDED UNUSED FORMULATIONS CONTAINING TRI-, TETRA-, OR PENTACHLOROPHENOL OR DISCARDED UNUSED FORMULATIONS CONTAINING COMPOUNDS DERIVED FROM THESE CHLOROPHENOLS. (THIS LISTING DOES NOT INCLUDE FORMULATIONS CONTAINING HEXACHLOROPHENE SYTHESIZED FROM PREPURIFIED 2,4,5-TRICHLOROPHENOL AS THE SOLE COMPONENT).

Waste code: F032
Waste name: WASTEWATERS, PROCESS RESIDUALS, PRESERVATIVE DRIPPAGE, AND SPENT FORMULATIONS FROM WOOD PRESERVING PROCESSES GENERATED AT PLANTS THAT CURRENTLY USE OR HAVE PREVIOUSLY USED CHLOROPHENOLIC FORMULATIONS (EXCEPT POTENTIALLY CROSS-CONTAMINATED WASTES THAT HAVE HAD THE F032 WASTE CODE DELETED IN ACCORDANCE WITH SECTION 261.35 OF THIS CHAPTER AND WHERE THE GENERATOR DOES NOT RESUME OR INITIATE USE OF CHLOROPHENOLIC FORMULATIONS). THIS LISTING DOES NOT INCLUDE K001 BOTTOM SEDIMENT SLUDGE FROM THE TREATMENT OF WASTEWATER FROM WOOD PRESERVING PROCESSES THAT USE CREOSOTE AND/OR PENTACHLOROPHENOL. (NOTE: THE LISTING OF WASTEWATERS THAT HAVE NOT COME INTO CONTACT WITH PROCESS CONTAMINANTS IS STAYED ADMINISTRATIVELY. THE LISTING FOR

CLEAN HARBORS SAN JOSE LLC (Continued) **1000430269**

PLANTS THAT HAVE PREVIOUSLY USED CHLOROPHENOLIC FORMULATIONS IS ADMINISTRATIVELY STAYED WHENEVER THESE WASTES ARE COVERED BY THE F034 OR F035 LISTINGS. THESE STAYS WILL REMAIN IN EFFECT UNTIL FURTHER ADMINISTRATIVE ACTION IS TAKEN.)

Waste code: F034
Waste name: WASTEWATERS, PROCESS RESIDUALS, PRESERVATIVE DRIPPAGE, AND SPENT FORMULATIONS FROM WOOD PRESERVING PROCESS GENERATED AT PLANTS THAT USE CREOSOTE FORMULATIONS. THIS LISTING DOES NOT INCLUDE K001 BOTTOM SEDIMENT SLUDGE FROM THE TREATMENT OF WASTEWATER FROM WOOD PRESERVING PROCESSES THAT USE CREOSOTE AND/OR PENTACHLOROPHENOL. (NOTE: THE LISTING OF WASTEWATERS THAT HAVE NOT COME INTO CONTACT WITH PROCESS CONTAMINANTS IS STAYED ADMINISTRATIVELY. THE STAY WILL REMAIN IN EFFECT UNTIL FURTHER ADMINISTRATIVE ACTION IS TAKEN.)

Waste code: F035
Waste name: WASTEWATERS, PROCESS RESIDUALS, PRESERVATIVE DRIPPAGE, AND SPENT FORMULATIONS FROM WOOD PRESERVING PROCESS GENERATED AT PLANTS THAT USE INORGANIC PRESERVATIVES CONTAINING ARSENIC OR CHROMIUM. THIS LISTING DOES NOT INCLUDE K001 BOTTOM SEDIMENT SLUDGE FROM THE TREATMENT OF WASTEWATER FROM WOOD PRESERVING PROCESSES THAT USE CREOSOTE AND/OR PENTACHLOROPHENOL (NOTE: THE LISTING OF WASTEWATERS THAT HAVE NOT COME INTO CONTACT WITH PROCESS CONTAMINANTS IS STAYED ADMINISTRATIVELY. THE STAY WILL REMAIN IN EFFECT UNTIL FURTHER ADMINISTRATIVE ACTION IS TAKEN.).

Waste code: F037
Waste name: PETROLEUM REFINERY PRIMARY OIL/WATER/SOLIDS SEPARATION SLUDGE-ANY SLUDGE GENERATED FROM THE GRAVITATIONAL SEPARATION OF OIL/WATER/SOLIDS DURING THE STORAGE OR TREATMENT OF PROCESS WASTEWATERS AND OILY COOLING WASTEWATERS FROM PETROLEUM REFINERIES. SUCH SLUDGES INCLUDE, BUT ARE NOT LIMITED TO, THOSE GENERATED IN: OIL/WATER/SOLIDS SEPARATORS; TANKS AND IMPOUNDMENTS; DITCHES AND OTHER CONVEYANCES; SUMPS; AND STORMWATER UNITS RECEIVING DRY WEATHER FLOW. SLUDGE GENERATED IN STORMWATER UNITS THAT DO NOT RECEIVE DRY WEATHER FLOW, SLUDGES GENERATED FROM NON-CONTACT ONCE-THROUGH COOLING WATERS SEGREGATED FOR TREATMENT FROM OTHER PROCESS OR OILY COOLING WATERS, SLUDGES GENERATED IN AGGRESSIVE BIOLOGICAL TREATMENT UNITS AS DEFINED IN SECTION 261.31(B)(2) (INCLUDING SLUDGES GENERATED IN ONE OR MORE ADDITIONAL UNITS AFTER WASTEWATERS HAVE BEEN TREATED IN AGGRESSIVE BIOLOGICAL TREATMENT UNITS) AND K051 WASTES ARE NOT INCLUDED IN THIS LISTING.

Waste code: F038
Waste name: PETROLEUM REFINERY SECONDARY (EMULSIFIED) OIL/WATER/SOLIDS SEPARATION SLUDGE-ANY SLUDGE AND/OR FLOAT GENERATED FROM THE PHYSICAL AND/OR CHEMICAL SEPARATION OF OIL/WATER/SOLIDS IN PROCESS WASTEWATERS AND OILY COOLING WASTEWATERS FROM PETROLEUM REFINERIES. SUCH WASTES INCLUDE, BUT ARE NOT LIMITED TO, ALL SLUDGES AND FLOATS GENERATED IN: INDUCED AIR FLOTATION (IAF) UNITS, TANKS AND IMPOUNDMENTS, AND ALL SLUDGES GENERATED IN DAF UNITS. SLUDGES GENERATED IN STORMWATER UNITS THAT DO NOT RECEIVE DRY WEATHER FLOW, SLUDGES GENERATED FROM NON-CONTACT ONCE-THROUGH COOLING WATERS SEGREGATED FOR TREATMENT FROM OTHER PROCESS OR OILY COOLING WATERS, SLUDGES AND FLOATS GENERATED IN AGGRESSIVE BIOLOGICAL TREATMENT UNITS AS DEFINED IN SECTION 261.31(B)(2) (INCLUDING SLUDGES AND FLOATS GENERATED IN ONE OR MORE ADDITIONAL UNITS AFTER WASTEWATERS HAVE BEEN TREATED IN AGGRESSIVE

CLEAN HARBORS SAN JOSE LLC (Continued) **1000430269**

BIOLOGICAL TREATMENT UNITS) AND F037, K048, AND K051 WASTES ARE NOT INCLUDED IN THIS LISTING.

Waste code: F039
Waste name: LEACHATE (LIQUIDS THAT HAVE PERCOLATED THROUGH LAND DISPOSED WASTES) RESULTING FROM THE DISPOSAL OF MORE THAN ONE RESTRICTED WASTE CLASSIFIED AS HAZARDOUS UNDER SUBPART D OF THIS PART. (LEACHATE RESULTING FROM THE DISPOSAL OF ONE OR MORE OF THE FOLLOWING EPA HAZARDOUS WASTES AND NO OTHER HAZARDOUS WASTES RETAINS ITS EPA HAZARDOUS WASTES NUMBER(S): F020, F021, F022, F026, F027, AND/OR F028).

Waste code: K002
Waste name: WASTEWATER TREATMENT SLUDGE FROM THE PRODUCTION OF CHROME YELLOW AND ORANGE PIGMENTS.

Waste code: K003
Waste name: WASTEWATER TREATMENT SLUDGE FROM THE PRODUCTION OF MOLYBDATE ORANGE PIGMENTS

Waste code: K004
Waste name: WASTEWATER TREATMENT SLUDGE FROM THE PRODUCTION OF ZINC YELLOW PIGMENTS

Waste code: K005
Waste name: WASTEWATER TREATMENT SLUDGE FROM THE PRODUCTION OF CHROME GREEN PIGMENTS

Waste code: K006
Waste name: WASTEWATER TREATMENT SLUDGE FROM THE PRODUCTION OF CHROME OXIDE GREEN PIGMENTS (ANHYDROUS AND HYDRATED).

Waste code: K007
Waste name: WASTEWATER TREATMENT SLUDGE FROM THE PRODUCTION OF IRON BLUE PIGMENTS

Waste code: K008
Waste name: OVEN RESIDUE FROM THE PRODUCTION OF CHROME OXIDE GREEN PIGMENTS

Waste code: K009
Waste name: DISTILLATION BOTTOMS FROM THE PRODUCTION OF ACETALDEHYDE FROM ETHYLENE

Waste code: K010
Waste name: DISTILLATION SIDE CUTS FROM THE PRODUCTION OF ACETAIDEHYDE FROM ETHYLENE

Waste code: K011
Waste name: BOTTOM STREAM FROM THE WASTEWATER STRIPPER IN THE PRODUCTION OF ACRYLONITRILE

Waste code: K013
Waste name: BOTTOM STREAM FROM THE ACETONITRILE COLUMN IN THE PRODUCTION OF ACRYLONITRILE

Waste code: K014
Waste name: BOTTOMS FROM THE ACETONITRILE PURIFICATION COLUMN IN THE PRODUCTION OF ACRYLONITRILE

CLEAN HARBORS SAN JOSE LLC (Continued) **1000430269**

Waste code: K015
Waste name: STILL BOTTOMS FROM THE DISTILLATION OF BENZYL CHLORIDE

Waste code: K016
Waste name: HEAVY ENDS OR DISTILLATION RESIDUES FROM THE PRODUCTION OF CARBON TETRACHLORIDE

Waste code: K017
Waste name: HEAVY ENDS (STILL BOTTOMS) FROM THE PURIFICATION COLUMN IN THE PRODUCTION OF EPICHLOROHYDRIN.

Waste code: K018
Waste name: HEAVY ENDS FROM THE FRACTIONATION COLUMN IN ETHYL CHLORIDE PRODUCTION

Waste code: K019
Waste name: HEAVY ENDS FROM THE DISTILLATION OF ETHYLENE DICHLORIDE IN ETHYLENE DICHLORIDE PRODUCTION.

Waste code: K020
Waste name: HEAVY ENDS FROM THE DISTILLATION OF VINYL CHLORIDE IN VINYL CHLORIDE MONOMER PRODUCTION.

Waste code: K021
Waste name: AQUEOUS SPENT ANTIMONY CATALYST WASTE FROM FLUOROMETHANES PRODUCTION

Waste code: K022
Waste name: DISTILLATION BOTTOM TARS FROM THE PRODUCTION OF PHENOL/ACETONE FROM CUMENE

Waste code: K023
Waste name: DISTILLATION LIGHT ENDS FROM THE PRODUCTION OF PHTHALIC ANHYDRIDE FROM NAPHTHALENE

Waste code: K024
Waste name: DISTILLATION BOTTOMS FROM THE PRODUCTION OF PHTHALIC ANHYDRIDE FROM NAPHTHALENE

Waste code: K025
Waste name: DISTILLATION BOTTOMS FROM THE PRODUCTION OF NITROBENZENE BY THE NITRATION OF BENZENE

Waste code: K026
Waste name: STRIPPING STILL TAILS FROM THE PRODUCTION OF METHY ETHYL PYRIDINES

Waste code: K027
Waste name: CENTRIFUGE AND DISTILLATION RESIDUES FROM TOLUENE DIISOCYANATE PRODUCTION

Waste code: K028
Waste name: SPENT CATALYST FROM THE HYDROCHLORINATOR REACTOR IN THE PRODUCTION OF 1,1,1-TRICHLOROETHANE.

Waste code: K029
Waste name: WASTE FROM THE PRODUCT STEAM STRIPPER IN THE PRODUCTION OF 1,1,1-TRICHLOROETHANE

Waste code: K030

CLEAN HARBORS SAN JOSE LLC (Continued) **1000430269**

Waste name: COLUMN BOTTOMS OR HEAVY ENDS FROM THE COMBINED PRODUCTION OF TRICHLOROETHYLENE AND PERCHLOROETHYLENE.

Waste code: K031
Waste name: BY-PRODUCT SALTS GENERATED IN THE PRODUCTION OF MSMA AND CACODYLIC ACID

Waste code: K032
Waste name: WASTEWATER TREATMENT SLUDGE FROM THE PRODUCTION OF CHLORDANE

Waste code: K033
Waste name: WASTEWATER AND SCRUB WATER FROM THE CHLORINATION OF CYCLOPENTADIENE IN THE PRODUCTION OF CHLORDANE.

Waste code: K034
Waste name: FILTER SOLIDS FROM THE FILTRATION OF HEXACHLOROCYCLOPENTADIENE IN THE PRODUCTION OF CHLORDANE.

Waste code: K035
Waste name: WASTEWATER TREATMENT SLUDGES GENERATED IN THE PRODUCTION OF CREOSOTE

Waste code: K036
Waste name: STILL BOTTOMS FROM TOLUENE RECLAMATION DISTILLATION IN THE PRODUCTION OF DISULFOTON

Waste code: K037
Waste name: WASTEWATER TREATMENT SLUDGES FROM THE PRODUCTION OF DISULFOTON

Waste code: K038
Waste name: WASTEWATER FROM THE WASHING AND STRIPPING OF PHORATE PRODUCTION

Waste code: K039
Waste name: FILTER CAKE FROM THE FILTRATION OF DIETHYLPHOSPHORODITHIOIC ACID IN THE PRODUCTION OF PHORATE.

Waste code: K040
Waste name: WASTEWATER TREATMENT SLUDGE FROM THE PRODUCTION OF PHORATE

Waste code: K041
Waste name: WASTEWATER TREATMENT SLUDGE FROM THE PRODUCTION OF TOXAPHENE

Waste code: K042
Waste name: HEAVY ENDS OR DISTILLATION RESIDUES FROM THE DISTILLATION OF TETRACHLOROBENZENE IN THE PRODUCTION OF 2,4,5-T.

Waste code: K043
Waste name: 2,6-DICHLOROPHENOL WASTE FROM THE PRODUCTION OF 2,4-D

Waste code: K044
Waste name: WASTEWATER TREATMENT SLUDGES FROM THE MANUFACTURING AND PROCESSING OF EXPLOSIVES

Waste code: K045
Waste name: SPENT CARBON FROM THE TREATMENT OF WASTEWATER CONTAINING EXPLOSIVES

Waste code: K046
Waste name: WASTEWATER TREATMENT SLUDGES FROM THE MANUFACTURING, FORMULATION AND

CLEAN HARBORS SAN JOSE LLC (Continued) **1000430269**

LOADING OF LEAD-BASED INITIATING COMPOUNDS.

Waste code: K047
Waste name: PINK/RED WATER FROM TNT OPERATIONS

Waste code: K048
Waste name: DISSOLVED AIR FLOTATION (DAF) FLOAT FROM THE PETROLEUM REFINING INDUSTRY

Waste code: K049
Waste name: SLOP OIL EMULSION SOLIDS FROM THE PETROLEUM REFINING INDUSTRY

Waste code: K050
Waste name: HEAT EXCHANGER BUNDLE CLEANING SLUDGE FROM THE PETROLEUM REFINING INDUSTRY

Waste code: K051
Waste name: API SEPARATOR SLUDGE FROM THE PETROLEUM REFINING INDUSTRY

Waste code: K052
Waste name: TANK BOTTOMS (LEADED) FROM THE PETROLEUM REFINING INDUSTRY

Waste code: K060
Waste name: AMMONIA STILL LIME SLUDGE FROM COKING OPERATIONS

Waste code: K061
Waste name: EMISSION CONTROL DUST/SLUDGE FROM THE PRIMARY PRODUCTION OF STEEL IN ELECTRIC FURNACES.

Waste code: K062
Waste name: SPENT PICKLE LIQUOR GENERATED BY STEEL FINISHING OPERATIONS OF FACILITIES WITHIN THE IRON AND STEEL INDUSTRY (SIC CODES 331 AND 332).

Waste code: K071
Waste name: BRINE PURIFICATION MUDS FROM THE MERCURY CELL PROCESS IN CHLORINE PRODUCTION, WHERE SEPARATELY PREPURIFIED BRINE IS NOT USED.

Waste code: K073
Waste name: CHLORINATED HYDROCARBON WASTE FROM THE PURIFICATION STEP OF THE DIAPHRAGM CELL PROCESS USING GRAPHITE ANODES IN CHLORINE PRODUCTION.

Waste code: K083
Waste name: DISTILLATION BOTTOMS FROM ANILINE PRODUCTION

Waste code: K084
Waste name: WASTEWATER TREATMENT SLUDGES GENERATED DURING THE PRODUCTION OF VETERINARY PHARMACEUTICALS FROM ARSENIC OR ORGANO-ARSENIC COMPOUNDS.

Waste code: K085
Waste name: DISTILLATION OR FRACTIONATION COLUMN BOTTOMS FROM THE PRODUCTION OF CHLOROBENZENES

Waste code: K086
Waste name: SOLVENT WASHES AND SLUDGES, CAUSTIC WASHES AND SLUDGES, OR WATER WASHES AND SLUDGES FROM CLEANING TUBS AND EQUIPMENT USED IN THE FORMULATION OF INK FROM PIGMENTS, DRIERS, SOAPS, AND STABILIZERS CONTAINING CHROMIUM AND LEAD.

CLEAN HARBORS SAN JOSE LLC (Continued) **1000430269**

Waste code: K087
Waste name: DECANTER TANK TAR SLUDGE FROM COKING OPERATIONS

Waste code: K093
Waste name: DISTILLATION LIGHT ENDS FROM THE PRODUCTION OF PHTHALIC ANHYDRIDE FROM ORTHO-XYLENE

Waste code: K094
Waste name: DISTILLATION BOTTOMS FROM THE PRODUCTION OF PHTHALIC ANHYDRIDE FROM ORTHO-XYLENE

Waste code: K095
Waste name: DISTILLATION BOTTOMS FROM THE PRODUCTION OF 1,1,1-TRICHLOROETHANE

Waste code: K096
Waste name: HEAVY ENDS FROM THE HEAVY ENDS COLUMN FROM THE PRODUCTION OF 1,1,1-TRICHLOROETHANE.

Waste code: K097
Waste name: VACUUM STRIPPER DISCHARGE FROM THE CHLORDANE CHLORINATOR IN THE PRODUCTION OF CHLORDANE.

Waste code: K098
Waste name: UNTREATED PROCESS WASTEWATER FROM THE PRODUCTION OF TOXAPHENE

Waste code: K099
Waste name: UNTREATED WASTEWATER FROM THE PRODUCTION OF 2,4-D

Waste code: K100
Waste name: WASTE LEACHING SOLUTION FROM ACID LEACHING OF EMISSION CONTROL DUST/SLUDGE FROM SECONDARY LEAD SMELTING.

Waste code: K101
Waste name: DISTILLATION TAR RESIDUES FROM THE DISTILLATION OF ANILINE-BASED COMPOUNDS IN THE PRODUCTION OF VETERINARY PHARMACEUTICALS FROM ARSENIC OR ORGANO-ARSENIC COMPOUNDS.

Waste code: K102
Waste name: RESIDUE FROM THE USE OF ACTIVATED CARBON FOR DECOLORIZATION IN THE PRODUCTION OF VETERINARY PHARMACEUTICALS FROM ARSENIC OR ORGANO-ARSENIC COMPOUNDS.

Waste code: K103
Waste name: PROCESS RESIDUES FROM ANILINE EXTRACTION FROM THE PRODUCTION OF ANILINE

Waste code: K104
Waste name: COMBINED WASTEWATER STREAMS GENERATED FROM NITROBENZENE/ANILINE PRODUCTION

Waste code: K105
Waste name: SEPARATED AQUEOUS STREAM FROM THE REACTOR PRODUCT WASHING STEP IN THE PRODUCTION OF CHLOROBENZENES.

Waste code: K106
Waste name: WASTEWATER TREATMENT SLUDGE FROM THE MERCURY CELL PROCESS IN CHLORINE PRODUCTION

CLEAN HARBORS SAN JOSE LLC (Continued) **1000430269**

Waste code: K111
Waste name: PRODUCT WASHWATERS FROM THE PRODUCTION OF DINITROTOLUENE VIA NITRATION OF TOLUENE

Waste code: K112
Waste name: REACTION BY-PRODUCT WATER FROM THE DRYING COLUMN IN THE PRODUCTION OF TOLUENEDIAMINE VIA HYDROGENATION OF DINITROTOLUENE.

Waste code: K113
Waste name: CONDENSED LIQUID LIGHT ENDS FROM THE PURIFICATION OF TOLUENEDIAMINE IN THE PRODUCTION OF TOLUENEDIAMINE VIA HYDROGENATION OF DINITROTOLUENE.

Waste code: K114
Waste name: VICINALS FROM THE PURIFICATION OF TOLUENEDIAMINE IN THE PRODUCTION OF TOLUENEDIAMINE VIA HYDROGENATION OF DINITROTOLUENE.

Waste code: K115
Waste name: HEAVY ENDS FROM THE PURIFICATION OF TOLUENEDIAMINE IN THE PRODUCTION OF TOLUENEDIAMINE VIA HYDROGENATION OF DINITROTOLUENE.

Waste code: K116
Waste name: ORGANIC CONDENSATE FROM THE SOLVENT RECOVERY COLUMN IN THE PRODUCTION OF TOLUENE DIISOCYANATE VIA PHOSGENATION OF TOLUENEDIAMINE.

Waste code: K117
Waste name: WASTEWATER FROM THE REACTOR VENT GAS SCRUBBER IN THE PRODUCTION OF ETHYLENE DIBROMIDE VIA BROMINATION OF ETHENE.

Waste code: K118
Waste name: SPENT ADSORBENT SOLIDS FROM PURIFICATION OF ETHYLENE DIBROMIDE IN THE PRODUCTION OF ETHYLENE DIBROMIDE VIA BROMINATION OF ETHENE.

Waste code: K123
Waste name: PROCESS WASTEWATER (INCLUDING SUPERNATES, FILTRATES, AND WASHWATERS) FROM THE PRODUCTION OF ETHYLENEBISDITHIOCARBAMIC ACID AND ITS SALT.

Waste code: K124
Waste name: REACTOR VENT SCRUBBER WATER FROM THE PRODUCTION OF ETHYLENEBISDITHIOCARBAMIC ACID AND ITS SALTS.

Waste code: K125
Waste name: FILTRATION, EVAPORATION, AND CENTRIFUGATION SOLIDS FROM THE PRODUCTION OF ETHYLENEBISDITHIOCARBAMIC ACID AND ITS SALTS.

Waste code: K126
Waste name: BAGHOUSE DUST AND FLOOR SWEEPINGS IN MILLING AND PACKAGING OPERATIONS FROM THE PRODUCTION OR FORMULATION OF ETHYLENEBISDITHIOCARBAMIC ACID AND ITS SALTS.

Waste code: K131
Waste name: WASTEWATER FROM THE REACTOR AND SPENT SULFURIC ACID FROM THE ACID DRYER FROM THE PRODUCTION OF METHYL BROMIDE.

Waste code: K132
Waste name: SPENT ABSORBENT AND WASTEWATER SEPARATOR SOLIDS FROM THE PRODUCTION OF METHYL BROMIDE.

CLEAN HARBORS SAN JOSE LLC (Continued) **1000430269**

Waste code: K136
Waste name: STILL BOTTOMS FROM THE PURIFICATION OF ETHYLENE DIBROMIDE IN THE PRODUCTION OF ETHYLENE DIBROMIDE VIA BROMINATION OF ETHENE.

Waste code: K161
Waste name: PURIFICATION SOLIDS (INCLUDING FILTRATION, EVAPORATION, AND CENTRIFUGATION SOLIDS), BAG HOUSE DUST A

Waste code: K169
Waste name: Crude oil storage tank sediment from petroleum refining operations.

Waste code: K170
Waste name: Clarified slurry oil storage tank sediment and/or in-line filter/separation solids from petroleum refining operations.

Waste code: K171
Waste name: Spent hydrotreating catalyst from petroleum refining operations, including guard beds used to desulfurize feeds to other catalytic reactors (excludes inert support media)

Waste code: K172
Waste name: Spent hydro refining catalyst from petroleum refining operations, including guard beds used to desulfurize feeds to other catalytic reactors (excludes inert support media).

Waste code: P001
Waste name: 2H-1-BENZOPYRAN-2-ONE, 4-HYDROXY-3-(3-OXO-1-PHENYLBUTYL)-, & SALTS, WHEN PRESENT AT CONCENTRATIONS GREATER THAN 0.3%

Waste code: P002
Waste name: ACETAMIDE, N-(AMINOTHIOXOMETHYL)-

Waste code: P003
Waste name: ACROLEIN

Waste code: P004
Waste name: ALDRIN

Waste code: P005
Waste name: ALLYL ALCOHOL

Waste code: U131
Waste name: ETHANE, HEXACHLORO-

Waste code: U132
Waste name: HEXACHLOROPHENE

Waste code: U133
Waste name: HYDRAZINE (R,T)

Waste code: U134
Waste name: HYDROFLUORIC ACID (C,T)

Waste code: U135
Waste name: HYDROGEN SULFIDE

Waste code: U136

CLEAN HARBORS SAN JOSE LLC (Continued) **1000430269**

Waste name: ARSINIC ACID, DIMETHYL-

Waste code: U137
Waste name: INDENO[1,2,3-CD]PYRENE

Waste code: U138
Waste name: METHANE, IODO-

Waste code: U140
Waste name: ISOBUTYL ALCOHOL (I,T)

Waste code: U141
Waste name: 1,3-BENZODIOXOLE, 5-(1-PROPENYL)-

Waste code: U142
Waste name: KEPONE

Waste code: U143
Waste name: 2-BUTENOIC ACID, 2-METHYL-, 7-[[2,3-DIHYDROXY-2-(1-METHOXYETHYL)-3-METHYL-1-OXOBUTOXY]METHYL]-2,3,5,7A-TETRAHYDRO-1H-PYRROLIZIN-1-YL ESTER, [1S-[1ALPHA(Z),7(2S*,3R*),7AALPHA]]-

Waste code: U144
Waste name: ACETIC ACID, LEAD(2+) SALT

Waste code: U145
Waste name: LEAD PHOSPHATE

Waste code: U146
Waste name: LEAD, BIS(ACETATO-O)TETRAHYDROXYTRI-

Waste code: U147
Waste name: 2,5-FURANDIONE

Waste code: U148
Waste name: MALEIC HYDRAZIDE

Waste code: U149
Waste name: MALONONITRILE

Waste code: U150
Waste name: MELPHALAN

Waste code: U151
Waste name: MERCURY

Waste code: U152
Waste name: METHACRYLONITRILE (I, T)

Waste code: U153
Waste name: METHANETHIOL (I, T)

Waste code: U154
Waste name: METHANOL (I)

Waste code: U155

CLEAN HARBORS SAN JOSE LLC (Continued) **1000430269**

Waste name: 1,2-ETHANEDIAMINE, N,N-DIMETHYL-N'-2-PYRIDINYL-N'-(2-THIENYLMETHYL)-

Waste code: U156
Waste name: CARBONOCHLORIDIC ACID, METHYL ESTER (I,T)

Waste code: U157
Waste name: BENZ[J]ACEANTHRYLENE, 1,2-DIHYDRO-3-METHYL-

Waste code: U158
Waste name: BENZENAMINE, 4,4'-METHYLENEBIS[2-CHLORO-

Waste code: U159
Waste name: 2-BUTANONE (I,T)

Waste code: U160
Waste name: 2-BUTANONE, PEROXIDE (R,T)

Waste code: U161
Waste name: METHYL ISOBUTYL KETONE (I)

Waste code: U162
Waste name: METHYL METHACRYLATE (I,T)

Waste code: U163
Waste name: GUANIDINE, N-METHYL-N'-NITRO-N-NITROSO-

Waste code: U164
Waste name: METHYLTHIOURACIL

Waste code: U165
Waste name: NAPHTHALENE

Waste code: U166
Waste name: 1,4-NAPHTHALENEDIONE

Waste code: U167
Waste name: 1-NAPHTHALENAMINE

Waste code: U168
Waste name: 2-NAPHTHALENAMINE

Waste code: U169
Waste name: BENZENE, NITRO-

Waste code: U170
Waste name: P-NITROPHENOL

Waste code: U171
Waste name: 2-NITROPROPANE (I,T)

Waste code: U172
Waste name: 1-BUTANAMINE, N-BUTYL-N-NITROSO-

Waste code: U173
Waste name: ETHANOL, 2,2'-(NITROSOIMINO)BIS-

Waste code: U174

CLEAN HARBORS SAN JOSE LLC (Continued) **1000430269**

Waste name: ETHANAMINE, N-ETHYL-N-NITROSO-

Waste code: U176
Waste name: N-NITROSO-N-ETHYLUREA

Waste code: U177
Waste name: N-NITROSO-N-METHYLUREA

Waste code: U178
Waste name: CARBAMIC ACID, METHYLNITROSO-, ETHYL ESTER

Waste code: U179
Waste name: N-NITROSOPIPERIDINE

Waste code: U180
Waste name: N-NITROSOPYRROLIDINE

Waste code: U181
Waste name: BENZENAMINE, 2-METHYL-5-NITRO-

Waste code: U182
Waste name: PARALDEHYDE

Waste code: U183
Waste name: BENZENE, PENTACHLORO-

Waste code: U184
Waste name: ETHANE, PENTACHLORO-

Waste code: U185
Waste name: BENZENE, PENTACHLORONITRO-

Waste code: U186
Waste name: 1-METHYLBUTADIENE (I)

Waste code: U187
Waste name: ACETAMIDE, N-(4-ETHOXYPHENYL)-

Waste code: U188
Waste name: PHENOL

Waste code: U189
Waste name: PHOSPHORUS SULFIDE (R)

Waste code: U190
Waste name: 1,3-ISOBENZOFURANDIONE

Waste code: U191
Waste name: 2-PICOLINE

Waste code: U192
Waste name: BENZAMIDE, 3,5-DICHLORO-N-(1,1-DIMETHYL-2-PROPYNYL)-

Waste code: U193
Waste name: 1,2-OXATHIOLANE, 2,2-DIOXIDE

Waste code: U194

CLEAN HARBORS SAN JOSE LLC (Continued) **1000430269**

Waste name: 1-PROPANAMINE (I,T)

Waste code: U196
Waste name: PYRIDINE

Waste code: U197
Waste name: P-BENZOQUINONE

Waste code: U200
Waste name: RESERPINE

Waste code: U201
Waste name: 1,3-BENZENEDIOL

Waste code: U202
Waste name: 1,2-BENZISOTHIAZOL-3(2H)-ONE, 1,1-DIOXIDE, & SALTS

Waste code: U203
Waste name: 1,3-BENZODIOXOLE, 5-(2-PROPENYL)-

Waste code: U204
Waste name: SELENIOUS ACID

Waste code: U206
Waste name: GLUCOPYRANOSE, 2-DEOXY-2-(3-METHYL-3-NITROSOUREIDO)-, D-

Waste code: U207
Waste name: BENZENE, 1,2,4,5-TETRACHLORO-

Waste code: U208
Waste name: ETHANE, 1,1,1,2-TETRACHLORO-

Waste code: U209
Waste name: ETHANE, 1,1,2,2-TETRACHLORO-

Waste code: U210
Waste name: ETHENE, TETRACHLORO-

Waste code: U211
Waste name: CARBON TETRACHLORIDE

Waste code: U213
Waste name: FURAN, TETRAHYDRO-(I)

Waste code: U214
Waste name: ACETIC ACID, THALLIUM(1+) SALT

Waste code: U215
Waste name: CARBONIC ACID, DITHALLIUM(1+) SALT

Waste code: U216
Waste name: THALLIUM(I) CHLORIDE

Waste code: U217
Waste name: NITRIC ACID, THALLIUM(1+) SALT

Waste code: U218

CLEAN HARBORS SAN JOSE LLC (Continued) **1000430269**

Waste name: ETHANETHIOAMIDE

Waste code: U219
Waste name: THIOUREA

Waste code: U220
Waste name: BENZENE, METHYL-

Waste code: U221
Waste name: BENZENEDIAMINE, AR-METHYL-

Waste code: U222
Waste name: BENZENAMINE, 2-METHYL-, HYDROCHLORIDE

Waste code: U223
Waste name: BENZENE, 1,3-DIISOCYANATOMETHYL- (R,T)

Waste code: U225
Waste name: BROMOFORM

Waste code: U226
Waste name: ETHANE, 1,1,1-TRICHLORO-

Waste code: U227
Waste name: ETHANE, 1,1,2-TRICHLORO-

Waste code: U228
Waste name: ETHENE, TRICHLORO-

Waste code: U234
Waste name: BENZENE, 1,3,5-TRINITRO-

Waste code: U235
Waste name: 1-PROPANOL, 2,3-DIBROMO-, PHOSPHATE (3:1)

Waste code: U236
Waste name: 2,7-NAPHTHALENEDISULFONIC ACID, 3,3'-[(3,3'-DIMETHYL[1,1'-BIPHENYL]-4,4'-DIYL)BIS(AZO)BIS[5-AMINO-4-HYDROXY]-, TETRASODIUM SALT

Waste code: U237
Waste name: 2,4-(1H,3H)-PYRIMIDINEDIONE, 5-[BIS(2-CHLOROETHYL)AMINO]-

Waste code: U238
Waste name: CARBAMIC ACID, ETHYL ESTER

Waste code: U239
Waste name: BENZENE, DIMETHYL- (I,T)

Waste code: U240
Waste name: ACETIC ACID, (2,4-DICHLOROPHENOXY)-, SALTS & ESTERS

Waste code: U243
Waste name: HEXACHLOROPROPENE

Waste code: U244
Waste name: THIOPEROXYDICARBONIC DIAMIDE [(H2N)C(S)]2S2, TETRAMETHYL-

CLEAN HARBORS SAN JOSE LLC (Continued) **1000430269**

Waste code: U246
Waste name: CYANOGEN BROMIDE (CN)BR

Waste code: U247
Waste name: BENZENE, 1,1'-(2,2,2-TRICHLOROETHYLIDENE)BIS[4- METHOXY-

Waste code: U248
Waste name: 2H-1-BENZOPYRAN-2-ONE, 4-HYDROXY-3-(3-OXO-1-PHENYL-BUTYL)-, & SALTS, WHEN PRESENT AT CONCENTRATIONS OF 0.3% OR LESS

Waste code: U249
Waste name: ZINC PHOSPHIDE ZN3P2, WHEN PRESENT AT CONCENTRATIONS OF 10% OR LESS

Waste code: U271
Waste name: BENOMYL (OR) CARBAMIC ACID, [1-[(BUTYLAMINO)CARBONYL]-1H-BENZIMIDAZOL-2-YL]-, METHYL ESTER

Waste code: U279
Waste name: CARBARYL (OR) 1-NAPHTHALENOL, METHYLCARBAMATE

Waste code: U328
Waste name: BENZENAMINE, 2-METHYL-

Waste code: U353
Waste name: BENZENAMINE, 4-METHYL-

Waste code: U359
Waste name: ETHANOL, 2-ETHOXY-

Waste code: U372
Waste name: CARBAMIC ACID, 1H-BENZIMIDAZOL-2-YL, METHYL ESTER (OR) CARBENDAZIM

Waste code: U389
Waste name: CARBAMOTHIOIC ACID, BIS(1-METHYLETHYL)-, S-(2,3,3-TRICHLORO-2-PROPENYL) ESTER (OR) TRIALLATE

Waste code: U404
Waste name: ETHANAMINE, N,N-DIETHYL- (OR) TRIETHYLAMINE

Waste code: P006
Waste name: ALUMINUM PHOSPHIDE (R,T)

Waste code: P007
Waste name: 5-(AMINOMETHYL)-3-ISOXAZOLOL

Waste code: P008
Waste name: 4-AMINOPYRIDINE

Waste code: P010
Waste name: ARSENIC ACID H3ASO4

Waste code: P011
Waste name: ARSENIC OXIDE AS2O3

Waste code: P012
Waste name: ARSENIC OXIDE AS2O3

CLEAN HARBORS SAN JOSE LLC (Continued) **1000430269**

Waste code: P013
Waste name: BARIUM CYANIDE

Waste code: P014
Waste name: BENZENETHIOL

Waste code: P015
Waste name: BERYLLIUM

Waste code: P016
Waste name: DICHLOROMETHYL ETHER

Waste code: P017
Waste name: BROMOACETONE

Waste code: P018
Waste name: BRUCINE

Waste code: P020
Waste name: DINOSEB

Waste code: P021
Waste name: CALCIUM CYANIDE

Waste code: P022
Waste name: CARBON DISULFIDE

Waste code: P023
Waste name: ACETALDEHYDE, CHLORO-

Waste code: P024
Waste name: BENZENAMINE, 4-CHLORO-

Waste code: P026
Waste name: 1-(O-CHLOROPHENYL)THIOUREA

Waste code: P027
Waste name: 3-CHLOROPROPIONITRILE

Waste code: P028
Waste name: BENZENE, (CHLOROMETHYL)-

Waste code: P029
Waste name: COPPER CYANIDE

Waste code: P030
Waste name: CYANIDES (SOLUBLE CYANIDE SALTS), NOT OTHERWISE SPECIFIED

Waste code: P031
Waste name: CYANOGEN

Waste code: P033
Waste name: CYANOGEN CHLORIDE

Waste code: P034
Waste name: 2-CYCLOHEXYL-4,6-DINITROPHENOL

CLEAN HARBORS SAN JOSE LLC (Continued) **1000430269**

Waste code: P036
Waste name: ARSONOUS DICHLORIDE, PHENYL-

Waste code: P037
Waste name: DIELDRIN

Waste code: P038
Waste name: ARSINE, DIETHYL-

Waste code: P039
Waste name: DISULFOTON

Waste code: P040
Waste name: O,O-DIETHY: O-PYRAZINYL PHOSPHOROTHIOATE

Waste code: P041
Waste name: DIETHYL-P-NITROPHENYL PHOSPHATE

Waste code: P042
Waste name: 1,2-BENZENEDIOL, 4-[1-HYDROXY-2-(METHYLAMINO)ETHYL]-, (R)-

Waste code: P043
Waste name: DIISOPROPYTFLUOROPHOSPHATE (DFP)

Waste code: P044
Waste name: DIMETHOATE

Waste code: P045
Waste name: 2-BUTANONE, 3,3-DIMETHYL-1-(METHYLTHIO)-, O-[METHYLAMINO)CARBONYL] OXIME

Waste code: P046
Waste name: BENZENEETHANAMINE, ALPHA,ALPHA-DIMETHYL-

Waste code: P047
Waste name: 4,6-DINITRO-O-CRESOL, & SALTS

Waste code: P048
Waste name: 2,4-DINITROPHENOL

Waste code: P049
Waste name: DITHIOBIURET

Waste code: P050
Waste name: ENDOSULFAN

Waste code: P051
Waste name: 2,7:3,6-DIMETHANONAPHTH [2,3-B]OXIRENE, 3,4,5,6,9,9-HEXACHLORO-1A,2,2A,3,6,6A,7,7A-OCTAHYDRO-, (1AALPHA,2BETA,2ABETA,3ALPHA,6ALPHA,6ABETA,7BETA, 7AALPHA)-, & METABOLITES

Waste code: P054
Waste name: AZIRIDINE

Waste code: P056
Waste name: FLUORINE

CLEAN HARBORS SAN JOSE LLC (Continued) **1000430269**

Waste code: P057
Waste name: ACETAMIDE, 2-FLUORO-

Waste code: P058
Waste name: ACETIC ACID, FLUORO-, SODIUM SALT

Waste code: P059
Waste name: HEPTACHLOR

Waste code: P060
Waste name: 1,4,5,8-DIMETHANONAPHTHALENE, 1,2,3,4,10,10-HEXA-CHLORO-1,4,4A,5,8,8A-HEXAHYDRO-, (1ALPHA,4ALPHA,4ABETA,5BETA,8BETA,8ABETA)-

Waste code: P062
Waste name: HEXAETHYL TETRAPHOSPHATE

Waste code: P063
Waste name: HYDROCYANIC ACID

Waste code: P064
Waste name: METHANE, ISOCYANATO-

Waste code: P066
Waste name: ETHANIMIDOTHIOIC ACID, N-[[(METHYLAMINO)CARBONYL]OXY]-, METHYL ESTER

Waste code: P067
Waste name: AZIRIDINE, 2-METHYL-

Waste code: P068
Waste name: HYDRAZINE, METHYL-

Waste code: P069
Waste name: 2-METHYLLACTONITRILE

Waste code: P070
Waste name: ALDICARB

Waste code: P071
Waste name: METHYL PARATHION

Waste code: P072
Waste name: ALPHA-NAPHTHYLTHIOUREA

Waste code: P073
Waste name: NICKEL CARBONYL

Waste code: P074
Waste name: NICKEL CYANIDE

Waste code: P075
Waste name: NICOTINE, & SALTS

Waste code: P076
Waste name: NITRIC OXIDE

Waste code: P077

CLEAN HARBORS SAN JOSE LLC (Continued) **1000430269**

Waste name: BENZENAMINE, 4-NITRO-

Waste code: P078
Waste name: NITROGEN DIOXIDE

Waste code: P082
Waste name: METHANAMINE, N-METHYL-N-NITROSO-

Waste code: P084
Waste name: N-NITROSOMETHYLVINYLAMINE

Waste code: P085
Waste name: DIPHOSPHORAMIDE, OCTAMETHYL-

Waste code: P087
Waste name: OSMIUM OXIDE OSO4, (T-4)-

Waste code: P088
Waste name: ENDOTHALL

Waste code: P089
Waste name: PARATHION

Waste code: P092
Waste name: MERCURY, (ACETATO-O)PHENYL-

Waste code: P093
Waste name: PHENYLTHIOUREA

Waste code: P094
Waste name: PHORATE

Waste code: P095
Waste name: CARBONIC DICHLORIDE

Waste code: P096
Waste name: HYDROGEN PHOSPHIDE

Waste code: P097
Waste name: FAMPHUR

Waste code: P098
Waste name: POTASSIUM CYANIDE

Waste code: P099
Waste name: ARGENTATE(1-), BIS(CYANO-C)-, POTASSIUM

Waste code: P101
Waste name: ETHYL CYANIDE

Waste code: P102
Waste name: PROPARGYL ALCOHOL

Waste code: P103
Waste name: SELENOUREA

Waste code: P104

CLEAN HARBORS SAN JOSE LLC (Continued) **1000430269**

Waste name: SILVER CYANIDE

Waste code: P105
Waste name: SODIUM AZIDE

Waste code: P106
Waste name: SODIUM CYANIDE

Waste code: P108
Waste name: STRYCHNIDIN-10-ONE, & SALTS

Waste code: P109
Waste name: TETRAETHYLDITHIOPYROPHOSPHATE

Waste code: P110
Waste name: PLUMBANE, TETRAETHYL-

Waste code: P111
Waste name: DIPHOSPHORIC ACID, TETRAETHYL ESTER

Waste code: P112
Waste name: METHANE, TETRANITRO- (R)

Waste code: P113
Waste name: THALLIC OXIDE

Waste code: P114
Waste name: SELENIOUS ACID, DITHALLIUM(1+) SALT

Waste code: P115
Waste name: SULFURIC ACID, DITHALLIUM(1+) SALT

Waste code: P116
Waste name: HYDRAZINECARBOTHIOAMIDE

Waste code: P118
Waste name: METHANETHIOL, TRICHLORO-

Waste code: P119
Waste name: AMMONIUM VANADATE

Waste code: P120
Waste name: VANADIUM OXIDE V2O5

Waste code: P121
Waste name: ZINC CYANIDE

Waste code: P122
Waste name: ZINC PHOSPHIDE ZN3P2, WHEN PRESENT AT CONCENTRATIONS GREATER THAN 10% (R,T)

Waste code: P123
Waste name: TOXAPHENE

Waste code: U001
Waste name: ACETALDEHYDE (I)

CLEAN HARBORS SAN JOSE LLC (Continued) **1000430269**

Waste code: U002
Waste name: ACETONE (I)

Waste code: U003
Waste name: ACETONITRILE (I,T)

Waste code: U004
Waste name: ACETOPHENONE

Waste code: U005
Waste name: ACETAMIDE, N-9H-FLUOREN-2-YL-

Waste code: U006
Waste name: ACETYL CHLORIDE (C,R,T)

Waste code: U007
Waste name: ACRYLAMIDE

Waste code: U008
Waste name: ACRYLIC ACID (I)

Waste code: U009
Waste name: ACRYLONITRILE

Waste code: U010
Waste name: AZIRINO[2',3':3,4]PYRROLO[1,2-A]INDOLE-4,7-DIONE, 6-AMINO-8-[[(AMINOCARBONYL)OXY]METHYL]-1,1A,2,8,8A,8B-HEXAHYDRO-8A-METHOXY-5-METHYL-, [1AS-(1AALPHA, 8BETA,8AALPHA,8BALPHA)]-

Waste code: U011
Waste name: AMITROLE

Waste code: U012
Waste name: ANILINE (I,T)

Waste code: U014
Waste name: AURAMINE

Waste code: U015
Waste name: AZASERINE

Waste code: U016
Waste name: BENZ[C]ACRIDINE

Waste code: U017
Waste name: BENZAL CHLORIDE

Waste code: U018
Waste name: BENZ[A]ANTHRACENE

Waste code: U019
Waste name: BENZENE (I,T)

Waste code: U020
Waste name: BENZENESULFONIC ACID CHLORIDE (C,R)

CLEAN HARBORS SAN JOSE LLC (Continued) **1000430269**

Waste code: U021
Waste name: BENZIDINE

Waste code: U022
Waste name: BENZO[A]PYRENE

Waste code: U023
Waste name: BENZENE, (TRICHLOROMETHYL)-

Waste code: U024
Waste name: DICHLOROMETHOXY ETHANE

Waste code: U025
Waste name: DICHLOROETHYL ETHER

Waste code: U026
Waste name: CHLORNAPHAZIN

Waste code: U027
Waste name: DICHLOROISOPROPYL ETHER

Waste code: U028
Waste name: 1,2-BENZENEDICARBOXYLIC ACID, BIS(2-ETHYLHEXYL) ESTER

Waste code: U029
Waste name: METHANE, BROMO-

Waste code: U030
Waste name: BENZENE, 1-BROMO-4-PHENOXY-

Waste code: U031
Waste name: 1-BUTANOL (I)

Waste code: U032
Waste name: CALCIUM CHROMATE

Waste code: U034
Waste name: ACETALDEHYDE, TRICHLORO-

Waste code: U035
Waste name: BENZENEBUTANOIC ACID, 4-[BIS(2-CHLOROETHYL)AMINO]-

Waste code: U036
Waste name: CHLORDANE, ALPHA & GAMMA ISOMERS

Waste code: U037
Waste name: BENZENE, CHLORO-

Waste code: U038
Waste name: BENZENEACETIC ACID, 4-CHLORO-ALPHA-(4-CHLOROPHENYL)-ALPHA-HYDROXY-, ETHYL ESTER

Waste code: U039
Waste name: P-CHLORO-M-CRESOL

Waste code: U041
Waste name: EPICHLOROHYDRIN

CLEAN HARBORS SAN JOSE LLC (Continued) **1000430269**

Waste code: U042
Waste name: 2-CHLOROETHYL VINYL ETHER

Waste code: U043
Waste name: ETHENE, CHLORO-

Waste code: U044
Waste name: CHLOROFORM

Waste code: U045
Waste name: METHANE, CHLORO- (I, T)

Waste code: U046
Waste name: CHLOROMETHYL METHYL ETHER

Waste code: U047
Waste name: BETA-CHLORONAPHTHALENE

Waste code: U048
Waste name: O-CHLOROPHENOL

Waste code: U049
Waste name: BENZENAMINE, 4-CHLORO-2-METHYL-, HYDROCHLORIDE

Waste code: U050
Waste name: CHRYSENE

Waste code: U051
Waste name: CREOSOTE

Waste code: U052
Waste name: CRESOL (CRESYLIC ACID)

Waste code: U053
Waste name: 2-BUTENAL

Waste code: U055
Waste name: BENZENE, (1-METHYLETHYL)- (I)

Waste code: U056
Waste name: BENZENE, HEXAHYDRO- (I)

Waste code: U057
Waste name: CYCLOHEXANONE (I)

Waste code: U058
Waste name: CYCLOPHOSPHAMIDE

Waste code: U059
Waste name: DAUNOMYCIN

Waste code: U060
Waste name: BENZENE, 1,1'-(2,2-DICHLOROETHYLIDENE)BIS[4-CHLORO-

Waste code: U061
Waste name: BENZENE, 1,1'-(2,2,2-TRICHLOROETHYLIDENE)BIS[4-CHLORO-

CLEAN HARBORS SAN JOSE LLC (Continued) **1000430269**

Waste code: U062
Waste name: CARBAMOTHIOIC ACID, BIS(1-METHYLETHYL)-, S-(2,3-DICHLORO-2-PROPENYL) ESTER

Waste code: U063
Waste name: DIBENZ[A,H]ANTHRACENE

Waste code: U064
Waste name: BENZO[RST]PENTAPHENE

Waste code: U066
Waste name: 1,2-DIBROMO-3-CHLOROPROPANE

Waste code: U067
Waste name: ETHANE, 1,2-DIBROMO-

Waste code: U068
Waste name: METHANE, DIBROMO-

Waste code: U069
Waste name: 1,2-BENZENEDICARBOXYLIC ACID, DIBUTYL ESTER

Waste code: U070
Waste name: BENZENE, 1,2-DICHLORO-

Waste code: U071
Waste name: BENZENE, 1,3-DICHLORO-

Waste code: U072
Waste name: BENZENE, 1,4-DICHLORO-

Waste code: U073
Waste name: [1,1'-BIPHENYL]-4,4'-DIAMINE, 3,3'-DICHLORO-

Waste code: U074
Waste name: 2-BUTENE, 1,4-DICHLORO- (I,T)

Waste code: U075
Waste name: DICHLORODIFLUOROMETHANE

Waste code: U076
Waste name: ETHANE, 1,1-DICHLORO-

Waste code: U077
Waste name: ETHANE, 1,2-DICHLORO-

Waste code: U078
Waste name: 1,1-DICHLOROETHYLENE

Waste code: U079
Waste name: 1,2-DICHLOROETHYLENE

Waste code: U080
Waste name: METHANE, DICHLORO-

Waste code: U081
Waste name: 2,4-DICHLOROPHENOL

CLEAN HARBORS SAN JOSE LLC (Continued) **1000430269**

Waste code: U082
Waste name: 2,6-DICHLOROPHENOL

Waste code: U083
Waste name: PROPANE, 1,2-DICHLORO-

Waste code: U084
Waste name: 1,3-DICHLOROPROPENE

Waste code: U085
Waste name: 2,2'-BIOXIRANE

Waste code: U086
Waste name: N,N'-DIETHYLHYDRAZINE

Waste code: U087
Waste name: O,O-DIETHYL S-METHYL DITHIOPHOSPHATE

Waste code: U088
Waste name: 1,2-BENZENEDICARBOXYLIC ACID, DIETHYL ESTER

Waste code: U089
Waste name: DIETHYLSTILBESTEROL

Waste code: U090
Waste name: 1,3-BENZODIOXOLE, 5-PROPYL-

Waste code: U091
Waste name: [1,1'-BIPHENYL]-4,4'-DIAMINE, 3,3'-DIMETHOXY-

Waste code: U092
Waste name: DIMETHYLAMINE (I)

Waste code: U093
Waste name: BENZENAMINE, N,N-DIMETHYL-4-(PHENYLAZO)-

Waste code: U094
Waste name: BENZ[A]ANTHRACENE, 7,12-DIMETHYL-

Waste code: U095
Waste name: [1,1'-BIPHENYL]-4,4'-DIAMINE, 3,3'-DIMETHYL-

Waste code: U097
Waste name: CARBAMIC CHLORIDE, DIMETHYL-

Waste code: U098
Waste name: 1,1-DIMETHYLHYDRAZINE

Waste code: U099
Waste name: 1,2-DIMETHYLHYDRAZINE

Waste code: U101
Waste name: 2,4-DIMETHYLPHENOL

Waste code: U102
Waste name: 1,2-BENZENEDICARBOXYLIC ACID, DIMETHYL ESTER

CLEAN HARBORS SAN JOSE LLC (Continued) **1000430269**

Waste code: U103
Waste name: DIMETHYL SULFATE

Waste code: U105
Waste name: BENZENE, 1-METHYL-2,4-DINITRO-

Waste code: U106
Waste name: BENZENE, 2-METHYL-1,3-DINITRO-

Waste code: U107
Waste name: 1,2-BENZENEDICARBOXYLIC ACID, DIOCTYL ESTER

Waste code: U108
Waste name: 1,4-DIETHYLENEOXIDE

Waste code: U109
Waste name: 1,2-DIPHENYLHYDRAZINE

Waste code: U110
Waste name: DIPROPYLAMINE (I)

Waste code: U111
Waste name: DI-N-PROPYLNITROSAMINE

Waste code: U112
Waste name: ACETIC ACID ETHYL ESTER (I)

Waste code: U113
Waste name: ETHYL ACRYLATE (I)

Waste code: U114
Waste name: CARBAMODITHIOIC ACID, 1,2-ETHANEDIYLBIS-, SALTS & ESTERS

Waste code: U115
Waste name: ETHYLENE OXIDE (I,T)

Waste code: U116
Waste name: ETHYLENETHIOUREA

Waste code: U117
Waste name: ETHANE, 1,1'-OXYBIS-(I)

Waste code: U118
Waste name: ETHYL METHACRYLATE

Waste code: U119
Waste name: ETHYL METHANESULFONATE

Waste code: U120
Waste name: FLUORANTHENE

Waste code: U121
Waste name: METHANE, TRICHLOROFLUORO-

Waste code: U122
Waste name: FORMALDEHYDE

CLEAN HARBORS SAN JOSE LLC (Continued) **1000430269**

Waste code: U123
Waste name: FORMIC ACID (C,T)

Waste code: U124
Waste name: FURAN (I)

Waste code: U125
Waste name: 2-FURANCARBOXALDEHYDE (I)

Waste code: U126
Waste name: GLYCIDYLALDEHYDE

Waste code: U127
Waste name: BENZENE, HEXACHLORO-

Waste code: U128
Waste name: 1,3-BUTADIENE, 1,1,2,3,4,4-HEXACHLORO-

Waste code: U129
Waste name: CYCLOHEXANE, 1,2,3,4,5,6-HEXACHLORO-, (1ALPHA,2ALPHA,3BETA,4ALPHA,5ALPHA,6BETA)-

Waste code: U130
Waste name: 1,3-CYCLOPENTADIENE, 1,2,3,4,5,5-HEXACHLORO-

Biennial Reports:

Last Biennial Reporting Year: 2007

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): 51629063.1

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.
Amount (Lbs): 43130007.7

Waste code: D003
Waste name: A MATERIAL IS CONSIDERED TO BE A REACTIVE HAZARDOUS WASTE IF IT IS NORMALLY UNSTABLE, REACTS VIOLENTLY WITH WATER, GENERATES TOXIC GASES WHEN EXPOSED TO WATER OR CORROSIVE MATERIALS, OR IF IT IS CAPABLE OF DETONATION OR EXPLOSION WHEN EXPOSED TO HEAT OR A FLAME. ONE EXAMPLE OF SUCH WASTE WOULD BY WASTE GUNPOWDER.
Amount (Lbs): 2482069.5

CLEAN HARBORS SAN JOSE LLC (Continued) **1000430269**

Waste code: D004
Waste name: ARSENIC
Amount (Lbs): 58041401.7

Waste code: D005
Waste name: BARIUM
Amount (Lbs): 58246865.5

Waste code: D006
Waste name: CADMIUM
Amount (Lbs): 57891448.9

Waste code: D007
Waste name: CHROMIUM
Amount (Lbs): 58558853.8

Waste code: D008
Waste name: LEAD
Amount (Lbs): 58537870.6

Waste code: D009
Waste name: MERCURY
Amount (Lbs): 54895630.8

Waste code: D010
Waste name: SELENIUM
Amount (Lbs): 56764429.5

Waste code: D011
Waste name: SILVER
Amount (Lbs): 57992332.6

Waste code: D013
Waste name: LINDANE
Amount (Lbs): 16666.1

Waste code: D014
Waste name: METHOXYCHLOR
Amount (Lbs): 40780170.4

Waste code: D016
Waste name: 2,4-D
Amount (Lbs): 40780170.4

Waste code: D018
Waste name: BENZENE
Amount (Lbs): 48899946

Waste code: D019
Waste name: CARBON TETRACHLORIDE
Amount (Lbs): 43732296.1

Waste code: D020
Waste name: CHLORDANE
Amount (Lbs): 9593.7

Waste code: D021

CLEAN HARBORS SAN JOSE LLC (Continued) **1000430269**

Waste name: CHLOROBENZENE
Amount (Lbs): 43647723.8

Waste code: D022
Waste name: CHLOROFORM
Amount (Lbs): 51950216.7

Waste code: D023
Waste name: O-CRESOL
Amount (Lbs): 41805972.2

Waste code: D024
Waste name: M-CRESOL
Amount (Lbs): 41833605.2

Waste code: D025
Waste name: P-CRESOL
Amount (Lbs): 41759805.9

Waste code: D026
Waste name: CRESOL
Amount (Lbs): 41822809.1

Waste code: D027
Waste name: 1,4-DICHLOROBENZENE
Amount (Lbs): 41829229.8

Waste code: D028
Waste name: 1,2-DICHLOROETHANE
Amount (Lbs): 41792035.8

Waste code: D029
Waste name: 1,1-DICHLOROETHYLENE
Amount (Lbs): 43615606

Waste code: D030
Waste name: 2,4-DINITROTOLUENE
Amount (Lbs): 41699063.7

Waste code: D032
Waste name: HEXACHLOROBENZENE
Amount (Lbs): 41699063.7

Waste code: D033
Waste name: HEXACHLOROBUTADIENE
Amount (Lbs): 41699063.7

Waste code: D034
Waste name: HEXACHLOROETHANE
Amount (Lbs): 43551317.6

Waste code: D035
Waste name: METHYL ETHYL KETONE
Amount (Lbs): 51411482.7

Waste code: D036
Waste name: NITROBENZENE

CLEAN HARBORS SAN JOSE LLC (Continued) **1000430269**

Amount (Lbs): 41795138.3

Waste code: D038
Waste name: PYRIDINE
Amount (Lbs): 48383905.4

Waste code: D039
Waste name: TETRACHLOROETHYLENE
Amount (Lbs): 41893088.8

Waste code: D040
Waste name: TRICHLOROETHYLENE
Amount (Lbs): 44610333.6

Waste code: D041
Waste name: 2,4,5-TRICHLOROPHENOL
Amount (Lbs): 40903915.5

Waste code: D043
Waste name: VINYL CHLORIDE
Amount (Lbs): 41824094.2

Waste code: F001
Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS USED IN DEGREASING: TETRACHLOROETHYLENE, TRICHLOROETHYLENE, METHYLENE CHLORIDE, 1,1,1-TRICHLOROETHANE, CARBON TETRACHLORIDE, AND CHLORINATED FLUOROCARBONS; ALL SPENT SOLVENT MIXTURES/BLENDS USED IN DEGREASING CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F002, F004, AND F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
Amount (Lbs): 50333604.4

Waste code: F002
Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2-TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE LISTED IN F001, F004, OR F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
Amount (Lbs): 52917972.6

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.
Amount (Lbs): 53285970.6

CLEAN HARBORS SAN JOSE LLC (Continued) **1000430269**

Waste code: F004
Waste name: THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: CRESOLS AND CRESYLIC ACID, AND NITROBENZENE; 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, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
Amount (Lbs): 44782145.6

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): 51935976

Waste code: F006
Waste name: WASTEWATER TREATMENT SLUDGES FROM ELECTROPLATING OPERATIONS EXCEPT FROM THE FOLLOWING PROCESSES: (1) SULFURIC ACID ANODIZING OF ALUMINUM; (2) TIN PLATING ON CARBON STEEL; (3) ZINC PLATING (SEGREGATED BASIS) ON CARBON STEEL; (4) ALUMINUM OR ZINC-ALUMINUM PLATING ON CARBON STEEL; (5) CLEANING/STRIPPING ASSOCIATED WITH TIN, ZINC AND ALUMINUM PLATING ON CARBON STEEL; AND (6) CHEMICAL ETCHING AND MILLING OF ALUMINUM.
Amount (Lbs): 48333169.3

Waste code: F007
Waste name: SPENT CYANIDE PLATING BATH SOLUTIONS FROM ELECTROPLATING OPERATIONS
Amount (Lbs): 100252.7

Waste code: F008
Waste name: PLATING BATH RESIDUES FROM THE BOTTOM OF PLATING BATHS FROM ELECTROPLATING OPERATIONS WHERE CYANIDES ARE USED IN THE PROCESS.
Amount (Lbs): 239916.6

Waste code: F009
Waste name: SPENT STRIPPING AND CLEANING BATH SOLUTIONS FROM ELECTROPLATING OPERATIONS WHERE CYANIDES ARE USED IN THE PROCESS.
Amount (Lbs): 79378.5

Waste code: F024
Waste name: PROCESS WASTES, INCLUDING BUT NOT LIMITED TO, DISTILLATION RESIDUES, HEAVY ENDS, TARS, AND REACTOR CLEAN-OUT WASTES, FROM THE PRODUCTION OF CERTAIN CHLORINATED ALIPHATIC HYDROCARBONS BY FREE RADICAL CATALYZED PROCESSES. THESE CHLORINATED ALIPHATIC HYDROCARBONS ARE THOSE HAVING CARBON CHAIN LENGTHS RANGING FROM ONE TO AND INCLUDING FIVE, WITH VARYING AMOUNTS AND POSITIONS OF CHLORINE SUBSTITUTION. (THIS LISTING DOES NOT INCLUDE WASTEWATERS, WASTEWATER TREATMENT SLUDGES, SPENT CATALYSTS, AND WASTES LISTED IN SECTION 261.31 OR SECTION 261.32).
Amount (Lbs): 30466331.3

Waste code: F032
Waste name: WASTEWATERS, PROCESS RESIDUALS, PRESERVATIVE DRIPPAGE, AND SPENT FORMULATIONS FROM WOOD PRESERVING PROCESSES GENERATED AT PLANTS THAT

CLEAN HARBORS SAN JOSE LLC (Continued) **1000430269**

CURRENTLY USE OR HAVE PREVIOUSLY USED CHLOROPHENOLIC FORMULATIONS (EXCEPT POTENTIALLY CROSS-CONTAMINATED WASTES THAT HAVE HAD THE F032 WASTE CODE DELETED IN ACCORDANCE WITH SECTION 261.35 OF THIS CHAPTER AND WHERE THE GENERATOR DOES NOT RESUME OR INITIATE USE OF CHLOROPHENOLIC FORMULATIONS). THIS LISTING DOES NOT INCLUDE K001 BOTTOM SEDIMENT SLUDGE FROM THE TREATMENT OF WASTEWATER FROM WOOD PRESERVING PROCESSES THAT USE CREOSOTE AND/OR PENTACHLOROPHENOL. (NOTE: THE LISTING OF WASTEWATERS THAT HAVE NOT COME INTO CONTACT WITH PROCESS CONTAMINANTS IS STAYED ADMINISTRATIVELY. THE LISTING FOR PLANTS THAT HAVE PREVIOUSLY USED CHLOROPHENOLIC FORMULATIONS IS ADMINISTRATIVELY STAYED WHENEVER THESE WASTES ARE COVERED BY THE F034 OR F035 LISTINGS. THESE STAYS WILL REMAIN IN EFFECT UNTIL FURTHER ADMINISTRATIVE ACTION IS TAKEN.)

Amount (Lbs): 23960944

Waste code: F034
Waste name: WASTEWATERS, PROCESS RESIDUALS, PRESERVATIVE DRIPPAGE, AND SPENT FORMULATIONS FROM WOOD PRESERVING PROCESS GENERATED AT PLANTS THAT USE CREOSOTE FORMULATIONS. THIS LISTING DOES NOT INCLUDE K001 BOTTOM SEDIMENT SLUDGE FROM THE TREATMENT OF WASTEWATER FROM WOOD PRESERVING PROCESSES THAT USE CREOSOTE AND/OR PENTACHLOROPHENOL. (NOTE: THE LISTING OF WASTEWATERS THAT HAVE NOT COME INTO CONTACT WITH PROCESS CONTAMINANTS IS STAYED ADMINISTRATIVELY. THE STAY WILL REMAIN IN EFFECT UNTIL FURTHER ADMINISTRATIVE ACTION IS TAKEN.)
Amount (Lbs): 40948859.4

Waste code: F035
Waste name: WASTEWATERS, PROCESS RESIDUALS, PRESERVATIVE DRIPPAGE, AND SPENT FORMULATIONS FROM WOOD PRESERVING PROCESS GENERATED AT PLANTS THAT USE INORGANIC PRESERVATIVES CONTAINING ARSENIC OR CHROMIUM. THIS LISTING DOES NOT INCLUDE K001 BOTTOM SEDIMENT SLUDGE FROM THE TREATMENT OF WASTEWATER FROM WOOD PRESERVING PROCESSES THAT USE CREOSOTE AND/OR PENTACHLOROPHENOL (NOTE: THE LISTING OF WASTEWATERS THAT HAVE NOT COME INTO CONTACT WITH PROCESS CONTAMINANTS IS STAYED ADMINISTRATIVELY. THE STAY WILL REMAIN IN EFFECT UNTIL FURTHER ADMINISTRATIVE ACTION IS TAKEN.).
Amount (Lbs): 41007266.1

Waste code: F037
Waste name: PETROLEUM REFINERY PRIMARY OIL/WATER/SOLIDS SEPARATION SLUDGE-ANY SLUDGE GENERATED FROM THE GRAVITATIONAL SEPARATION OF OIL/WATER/SOLIDS DURING THE STORAGE OR TREATMENT OF PROCESS WASTEWATERS AND OILY COOLING WASTEWATERS FROM PETROLEUM REFINERIES. SUCH SLUDGES INCLUDE, BUT ARE NOT LIMITED TO, THOSE GENERATED IN: OIL/WATER/SOLIDS SEPARATORS; TANKS AND IMPOUNDMENTS; DITCHES AND OTHER CONVEYANCES; SUMPS; AND STORMWATER UNITS RECEIVING DRY WEATHER FLOW. SLUDGE GENERATED IN STORMWATER UNITS THAT DO NOT RECEIVE DRY WEATHER FLOW, SLUDGES GENERATED FROM NON-CONTACT ONCE-THROUGH COOLING WATERS SEGREGATED FOR TREATMENT FROM OTHER PROCESS OR OILY COOLING WATERS, SLUDGES GENERATED IN AGGRESSIVE BIOLOGICAL TREATMENT UNITS AS DEFINED IN SECTION 261.31(B)(2) (INCLUDING SLUDGES GENERATED IN ONE OR MORE ADDITIONAL UNITS AFTER WASTEWATERS HAVE BEEN TREATED IN AGGRESSIVE BIOLOGICAL TREATMENT UNITS) AND K051 WASTES ARE NOT INCLUDED IN THIS LISTING.
Amount (Lbs): 35800281.5

Waste code: F038

CLEAN HARBORS SAN JOSE LLC (Continued) **1000430269**

Waste name: PETROLEUM REFINERY SECONDARY (EMULSIFIED) OIL/WATER/SOLIDS SEPARATION SLUDGE-ANY SLUDGE AND/OR FLOAT GENERATED FROM THE PHYSICAL AND/OR CHEMICAL SEPARATION OF OIL/WATER/SOLIDS IN PROCESS WASTEWATERS AND OILY COOLING WASTEWATERS FROM PETROLEUM REFINERIES. SUCH WASTES INCLUDE, BUT ARE NOT LIMITED TO, ALL SLUDGES AND FLOATS GENERATED IN: INDUCED AIR FLOTATION (IAF) UNITS, TANKS AND IMPOUNDMENTS, AND ALL SLUDGES GENERATED IN DAF UNITS. SLUDGES GENERATED IN STORMWATER UNITS THAT DO NOT RECEIVE DRY WEATHER FLOW, SLUDGES GENERATED FROM NON-CONTACT ONCE-THROUGH COOLING WATERS SEGREGATED FOR TREATMENT FROM OTHER PROCESS OR OILY COOLING WATERS, SLUDGES AND FLOATS GENERATED IN AGGRESSIVE BIOLOGICAL TREATMENT UNITS AS DEFINED IN SECTION 261.31(B)(2) (INCLUDING SLUDGES AND FLOATS GENERATED IN ONE OR MORE ADDITIONAL UNITS AFTER WASTEWATERS HAVE BEEN TREATED IN AGGRESSIVE BIOLOGICAL TREATMENT UNITS) AND F037, K048, AND K051 WASTES ARE NOT INCLUDED IN THIS LISTING.
Amount (Lbs): 30466331.3

Waste code: F039
Waste name: LEACHATE (LIQUIDS THAT HAVE PERCOLATED THROUGH LAND DISPOSED WASTES) RESULTING FROM THE DISPOSAL OF MORE THAN ONE RESTRICTED WASTE CLASSIFIED AS HAZARDOUS UNDER SUBPART D OF THIS PART. (LEACHATE RESULTING FROM THE DISPOSAL OF ONE OR MORE OF THE FOLLOWING EPA HAZARDOUS WASTES AND NO OTHER HAZARDOUS WASTES RETAINS ITS EPA HAZARDOUS WASTES NUMBER(S): F020, F021, F022, F026, F027, AND/OR F028).
Amount (Lbs): 36693660.8

Waste code: K048
Waste name: DISSOLVED AIR FLOTATION (DAF) FLOAT FROM THE PETROLEUM REFINING INDUSTRY
Amount (Lbs): 30466331.3

Waste code: K049
Waste name: SLOP OIL EMULSION SOLIDS FROM THE PETROLEUM REFINING INDUSTRY
Amount (Lbs): 30466331.3

Waste code: K050
Waste name: HEAT EXCHANGER BUNDLE CLEANING SLUDGE FROM THE PETROLEUM REFINING INDUSTRY
Amount (Lbs): 34172789

Waste code: K051
Waste name: API SEPARATOR SLUDGE FROM THE PETROLEUM REFINING INDUSTRY
Amount (Lbs): 33080010.5

Waste code: K052
Waste name: TANK BOTTOMS (LEADED) FROM THE PETROLEUM REFINING INDUSTRY
Amount (Lbs): 32318585.3

Waste code: K086
Waste name: SOLVENT WASHES AND SLUDGES, CAUSTIC WASHES AND SLUDGES, OR WATER WASHES AND SLUDGES FROM CLEANING TUBS AND EQUIPMENT USED IN THE FORMULATION OF INK FROM PIGMENTS, DRIERS, SOAPS, AND STABILIZERS CONTAINING CHROMIUM AND LEAD.
Amount (Lbs): 30466331.3

Waste code: K087

CLEAN HARBORS SAN JOSE LLC (Continued) **1000430269**

Waste name: DECANTER TANK TAR SLUDGE FROM COKING OPERATIONS
Amount (Lbs): 30466331.3

Waste code: K169
Waste name: Crude oil storage tank sediment from petroleum refining operations.
Amount (Lbs): 58377.4

Waste code: K171
Waste name: Spent hydrotreating catalyst from petroleum refining operations, including guard beds used to desulfurize feeds to other catalytic reactors (excludes inert support media)
Amount (Lbs): 1856899

Waste code: K172
Waste name: Spent hydro refining catalyst from petroleum refining operations, including guard beds used to desulfurize feeds to other catalytic reactors (excludes inert support media).
Amount (Lbs): 1852254

Waste code: P001
Waste name: 2H-1-BENZOPYRAN-2-ONE, 4-HYDROXY-3-(3-OXO-1-PHENYLBUTYL)-, & SALTS, WHEN PRESENT AT CONCENTRATIONS GREATER THAN 0.3%
Amount (Lbs): 3430393.7

Waste code: P005
Waste name: ALLYL ALCOHOL
Amount (Lbs): 60.8

Waste code: P010
Waste name: ARSENIC ACID H3ASO4
Amount (Lbs): 2661893.5

Waste code: P011
Waste name: ARSENIC OXIDE AS2O3
Amount (Lbs): 60742.2

Waste code: P012
Waste name: ARSENIC OXIDE AS2O3
Amount (Lbs): 3772826.9

Waste code: P014
Waste name: BENZENETHIOL
Amount (Lbs): 4337.2

Waste code: P018
Waste name: BRUCINE
Amount (Lbs): 60742.2

Waste code: P022
Waste name: CARBON DISULFIDE
Amount (Lbs): 64910.2

Waste code: P023
Waste name: ACETALDEHYDE, CHLORO-
Amount (Lbs): 8082.4

Waste code: P026

CLEAN HARBORS SAN JOSE LLC (Continued) **1000430269**

Waste name: 1-(O-CHLOROPHENYL)THIOUREA
Amount (Lbs): 3650

Waste code: P029
Waste name: COPPER CYANIDE
Amount (Lbs): 1214

Waste code: P030
Waste name: CYANIDES (SOLUBLE CYANIDE SALTS), NOT OTHERWISE SPECIFIED
Amount (Lbs): 4099.5

Waste code: P041
Waste name: DIETHYL-P-NITROPHENYL PHOSPHATE
Amount (Lbs): 60742.2

Waste code: P042
Waste name: 1,2-BENZENEDIOL, 4-[1-HYDROXY-2-(METHYLAMINO)ETHYL]-, (R)-
Amount (Lbs): 5251105.9

Waste code: P044
Waste name: DIMETHOATE
Amount (Lbs): 2661893.5

Waste code: P046
Waste name: BENZENEETHANAMINE, ALPHA,ALPHA-DIMETHYL-
Amount (Lbs): 16666.1

Waste code: P048
Waste name: 2,4-DINITROPHENOL
Amount (Lbs): 10431.6

Waste code: P075
Waste name: NICOTINE, & SALTS
Amount (Lbs): 42163529.7

Waste code: P077
Waste name: BENZENAMINE, 4-NITRO-
Amount (Lbs): 60742.2

Waste code: P081
Waste name: NITROGLYCERINE (R)
Amount (Lbs): 3446456.9

Waste code: P087
Waste name: OSMIUM OXIDE OSO4, (T-4)-
Amount (Lbs): 8650967.3

Waste code: P095
Waste name: CARBONIC DICHLORIDE
Amount (Lbs): 78.8

Waste code: P098
Waste name: POTASSIUM CYANIDE
Amount (Lbs): 6777.6

Waste code: P102
Waste name: PROPARGYL ALCOHOL

CLEAN HARBORS SAN JOSE LLC (Continued) **1000430269**

Amount (Lbs): 2553.7

Waste code: P105
Waste name: SODIUM AZIDE
Amount (Lbs): 63768.2

Waste code: P106
Waste name: SODIUM CYANIDE
Amount (Lbs): 3066.6

Waste code: P108
Waste name: STRYCHNIDIN-10-ONE, & SALTS
Amount (Lbs): 9371.7

Waste code: P112
Waste name: METHANE, TETRANITRO- (R)
Amount (Lbs): 2057.6

Waste code: P188
Waste name: BENZOIC ACID, 2-HYDROXY-, COMPD. WITH
(3AS-CIS)-1,2,3,3A,8,8A-HEXAHYDRO-1,3A,8-TRIMETHYLPYRROLO[2,3-
Amount (Lbs): 603

Waste code: U001
Waste name: ACETALDEHYDE (I)
Amount (Lbs): 32834827.9

Waste code: U002
Waste name: ACETONE (I)
Amount (Lbs): 41764497.2

Waste code: U003
Waste name: ACETONITRILE (I,T)
Amount (Lbs): 43625562.1

Waste code: U004
Waste name: ACETOPHENONE
Amount (Lbs): 41727747.5

Waste code: U006
Waste name: ACETYL CHLORIDE (C,R,T)
Amount (Lbs): 40780481.3

Waste code: U007
Waste name: ACRYLAMIDE
Amount (Lbs): 45228047.4

Waste code: U008
Waste name: ACRYLIC ACID (I)
Amount (Lbs): 15060127

Waste code: U009
Waste name: ACRYLONITRILE
Amount (Lbs): 15019424.2

Waste code: U010
Waste name: AZIRINO[2’,3’:3,4]PYRROLO[1,2-A]INDOLE-4,7-DIONE,

CLEAN HARBORS SAN JOSE LLC (Continued) **1000430269**

6-AMINO-8-[[(AMINOCARBONYL)OXY]METHYL]-
1,1A,2,8,8A,8B-HEXAHYDRO-8A-METHOXY-5-METHYL-, [1AS-(1AALPHA,
8BETA,8AALPHA,8BALPHA)]-
Amount (Lbs): 44331096.5

Waste code: U011
Waste name: AMITROLE
Amount (Lbs): 60742.2

Waste code: U012
Waste name: ANILINE (I,T)
Amount (Lbs): 18577283.7

Waste code: U014
Waste name: AURAMINE
Amount (Lbs): 9359.7

Waste code: U015
Waste name: AZASERINE
Amount (Lbs): 40840912.6

Waste code: U019
Waste name: BENZENE (I,T)
Amount (Lbs): 41727747.5

Waste code: U021
Waste name: BENZIDINE
Amount (Lbs): 13509.7

Waste code: U022
Waste name: BENZO[A]PYRENE
Amount (Lbs): 3650

Waste code: U026
Waste name: CHLORNAPHAZIN
Amount (Lbs): 16666.1

Waste code: U031
Waste name: 1-BUTANOL (I)
Amount (Lbs): 41763352

Waste code: U034
Waste name: ACETALDEHYDE, TRICHLORO-
Amount (Lbs): 16666.1

Waste code: U035
Waste name: BENZENEBUTANOIC ACID, 4-[BIS(2-CHLOROETHYL)AMINO]-
Amount (Lbs): 19325765.6

Waste code: U037
Waste name: BENZENE, CHLORO-
Amount (Lbs): 41699063.7

Waste code: U038
Waste name: BENZENEACETIC ACID, 4-CHLORO-ALPHA-(4-CHLOROPHENYL)-ALPHA-HYDROXY-,
ETHYL ESTER
Amount (Lbs): 60742.2

CLEAN HARBORS SAN JOSE LLC (Continued) **1000430269**

Waste code: U041
Waste name: EPICHLOROHYDRIN
Amount (Lbs): 89426

Waste code: U044
Waste name: CHLOROFORM
Amount (Lbs): 45206262.7

Waste code: U046
Waste name: CHLOROMETHYL METHYL ETHER
Amount (Lbs): 13221537.8

Waste code: U051
Waste name: CREOSOTE
Amount (Lbs): 30207411.7

Waste code: U052
Waste name: CRESOL (CRESYLIC ACID)
Amount (Lbs): 60742.2

Waste code: U055
Waste name: BENZENE, (1-METHYLETHYL)- (I)
Amount (Lbs): 35471734.2

Waste code: U056
Waste name: BENZENE, HEXAHYDRO- (I)
Amount (Lbs): 41699063.7

Waste code: U057
Waste name: CYCLOHEXANONE (I)
Amount (Lbs): 41699063.7

Waste code: U058
Waste name: CYCLOPHOSPHAMIDE
Amount (Lbs): 19326418.6

Waste code: U059
Waste name: DAUNOMYCIN
Amount (Lbs): 19326618.6

Waste code: U060
Waste name: BENZENE, 1,1'-(2,2-DICHLOROETHYLIDENE)BIS[4-CHLORO-
Amount (Lbs): 13219496.2

Waste code: U066
Waste name: 1,2-DIBROMO-3-CHLOROPROPANE
Amount (Lbs): 60742.2

Waste code: U067
Waste name: ETHANE, 1,2-DIBROMO-
Amount (Lbs): 6055.8

Waste code: U069
Waste name: 1,2-BENZENEDICARBOXYLIC ACID, DIBUTYL ESTER
Amount (Lbs): 40790478.5

Waste code: U070

CLEAN HARBORS SAN JOSE LLC (Continued) **1000430269**

Waste name: BENZENE, 1,2-DICHLORO-
Amount (Lbs): 41759805.9

Waste code: U072
Waste name: BENZENE, 1,4-DICHLORO-
Amount (Lbs): 13280238.4

Waste code: U075
Waste name: DICHLORODIFLUOROMETHANE
Amount (Lbs): 105210.1

Waste code: U077
Waste name: ETHANE, 1,2-DICHLORO-
Amount (Lbs): 40780170.4

Waste code: U080
Waste name: METHANE, DICHLORO-
Amount (Lbs): 41823822.1

Waste code: U089
Waste name: DIETHYLSTILBESTEROL
Amount (Lbs): 32816161.6

Waste code: U093
Waste name: BENZENAMINE, N,N-DIMETHYL-4-(PHENYLAZO)-
Amount (Lbs): 13223146.2

Waste code: U098
Waste name: 1,1-DIMETHYLHYDRAZINE
Amount (Lbs): 12

Waste code: U103
Waste name: DIMETHYL SULFATE
Amount (Lbs): 15844306

Waste code: U105
Waste name: BENZENE, 1-METHYL-2,4-DINITRO-
Amount (Lbs): 40780170.4

Waste code: U106
Waste name: BENZENE, 2-METHYL-1,3-DINITRO-
Amount (Lbs): 40780170.4

Waste code: U108
Waste name: 1,4-DIETHYLENEOXIDE
Amount (Lbs): 41727747.5

Waste code: U110
Waste name: DIPROPYLAMINE (I)
Amount (Lbs): 35471734.2

Waste code: U112
Waste name: ACETIC ACID ETHYL ESTER (I)
Amount (Lbs): 41823822.1

Waste code: U113
Waste name: ETHYL ACRYLATE (I)

CLEAN HARBORS SAN JOSE LLC (Continued) **1000430269**

Amount (Lbs): 28683.8

Waste code: U115
Waste name: ETHYLENE OXIDE (I,T)
Amount (Lbs): 16666.1

Waste code: U117
Waste name: ETHANE, 1,1'-OXYBIS-(I)
Amount (Lbs): 30269818.8

Waste code: U118
Waste name: ETHYL METHACRYLATE
Amount (Lbs): 28683.8

Waste code: U121
Waste name: METHANE, TRICHLOROFLUORO-
Amount (Lbs): 36369100

Waste code: U122
Waste name: FORMALDEHYDE
Amount (Lbs): 43615879.9

Waste code: U123
Waste name: FORMIC ACID (C,T)
Amount (Lbs): 40853434.4

Waste code: U125
Waste name: 2-FURANCARBOXALDEHYDE (I)
Amount (Lbs): 13219496.2

Waste code: U129
Waste name: CYCLOHEXANE, 1,2,3,4,5,6-HEXACHLORO-,
(1ALPHA,2ALPHA,3BETA,4ALPHA,5ALPHA,6BETA)-
Amount (Lbs): 20475.8

Waste code: U132
Waste name: HEXACHLOROPHENE
Amount (Lbs): 17269.1

Waste code: U133
Waste name: HYDRAZINE (R,T)
Amount (Lbs): 36473909.1

Waste code: U134
Waste name: HYDROFLUORIC ACID (C,T)
Amount (Lbs): 36496304.9

Waste code: U136
Waste name: ARSINIC ACID, DIMETHYL-
Amount (Lbs): 60742.2

Waste code: U138
Waste name: METHANE, IODO-
Amount (Lbs): 91577.3

Waste code: U140
Waste name: ISOBUTYL ALCOHOL (I,T)

CLEAN HARBORS SAN JOSE LLC (Continued) **1000430269**

Amount (Lbs): 41699063.7

Waste code: U144
Waste name: ACETIC ACID, LEAD(2+) SALT
Amount (Lbs): 38997178.7

Waste code: U147
Waste name: 2,5-FURANDIONE
Amount (Lbs): 6424.5

Waste code: U148
Waste name: MALEIC HYDRAZIDE
Amount (Lbs): 60742.2

Waste code: U150
Waste name: MELPHALAN
Amount (Lbs): 3513541.6

Waste code: U151
Waste name: MERCURY
Amount (Lbs): 19521.1

Waste code: U152
Waste name: METHACRYLONITRILE (I, T)
Amount (Lbs): 50.8

Waste code: U154
Waste name: METHANOL (I)
Amount (Lbs): 48108377.6

Waste code: U157
Waste name: BENZ[J]ACEANTHRYLENE, 1,2-DIHYDRO-3-METHYL-
Amount (Lbs): 13009.7

Waste code: U158
Waste name: BENZENAMINE, 4,4'-METHYLENEBIS[2-CHLORO-
Amount (Lbs): 36

Waste code: U159
Waste name: 2-BUTANONE (I,T)
Amount (Lbs): 47345253.9

Waste code: U160
Waste name: 2-BUTANONE, PEROXIDE (R,T)
Amount (Lbs): 719.6

Waste code: U161
Waste name: METHYL ISOBUTYL KETONE (I)
Amount (Lbs): 41699063.7

Waste code: U162
Waste name: METHYL METHACRYLATE (I,T)
Amount (Lbs): 32799495.5

Waste code: U165
Waste name: NAPHTHALENE
Amount (Lbs): 40808119.3

CLEAN HARBORS SAN JOSE LLC (Continued) **1000430269**

Waste code: U169
Waste name: BENZENE, NITRO-
Amount (Lbs): 13316070.8

Waste code: U170
Waste name: P-NITROPHENOL
Amount (Lbs): 60742.2

Waste code: U171
Waste name: 2-NITROPROPANE (I,T)
Amount (Lbs): 35471734.2

Waste code: U176
Waste name: N-NITROSO-N-ETHYLUREA
Amount (Lbs): 60742.2

Waste code: U182
Waste name: PARALDEHYDE
Amount (Lbs): 16666.1

Waste code: U187
Waste name: ACETAMIDE, N-(4-ETHOXYPHENYL)-
Amount (Lbs): 26025.8

Waste code: U188
Waste name: PHENOL
Amount (Lbs): 50607877.5

Waste code: U189
Waste name: PHOSPHORUS SULFIDE (R)
Amount (Lbs): 12754

Waste code: U190
Waste name: 1,3-ISOBENZOFURANDIONE
Amount (Lbs): 9359.7

Waste code: U192
Waste name: BENZAMIDE, 3,5-DICHLORO-N-(1,1-DIMETHYL-2-PROPYNYL)-
Amount (Lbs): 9359.7

Waste code: U196
Waste name: PYRIDINE
Amount (Lbs): 41504160.3

Waste code: U200
Waste name: RESERPINE
Amount (Lbs): 77408.3

Waste code: U201
Waste name: 1,3-BENZENEDIOL
Amount (Lbs): 13230725.9

Waste code: U202
Waste name: 1,2-BENZISOTHIAZOL-3(2H)-ONE, 1,1-DIOXIDE, & SALTS
Amount (Lbs): 785166.3

Waste code: U204

CLEAN HARBORS SAN JOSE LLC (Continued) **1000430269**

Waste name: SELENIOUS ACID
Amount (Lbs): 10228.2

Waste code: U205
Waste name: SELENIUM SULFIDE
Amount (Lbs): 603

Waste code: U206
Waste name: GLUCOPYRANOSE, 2-DEOXY-2-(3-METHYL-3-NITROSOUREIDO)-, D-
Amount (Lbs): 2750822.3

Waste code: U209
Waste name: ETHANE, 1,1,2,2-TETRACHLORO-
Amount (Lbs): 41699063.7

Waste code: U210
Waste name: ETHENE, TETRACHLORO-
Amount (Lbs): 41715729.8

Waste code: U211
Waste name: CARBON TETRACHLORIDE
Amount (Lbs): 41759805.9

Waste code: U213
Waste name: FURAN, TETRAHYDRO-(I)
Amount (Lbs): 41763079.9

Waste code: U216
Waste name: THALLIUM(I) CHLORIDE
Amount (Lbs): 6133.5

Waste code: U219
Waste name: THIOUREA
Amount (Lbs): 102435.7

Waste code: U220
Waste name: BENZENE, METHYL-
Amount (Lbs): 48007420.4

Waste code: U221
Waste name: BENZENEDIAMINE, AR-METHYL-
Amount (Lbs): 37804898.3

Waste code: U223
Waste name: BENZENE, 1,3-DIISOCYANATOMETHYL- (R,T)
Amount (Lbs): 36439241.2

Waste code: U226
Waste name: ETHANE, 1,1,1-TRICHLORO-
Amount (Lbs): 41128516.1

Waste code: U227
Waste name: ETHANE, 1,1,2-TRICHLORO-
Amount (Lbs): 41500886.2

Waste code: U228
Waste name: ETHENE, TRICHLORO-

CLEAN HARBORS SAN JOSE LLC (Continued) **1000430269**

Amount (Lbs): 41759805.9

Waste code: U236
Waste name: 2,7-NAPHTHALENEDISULFONIC ACID, 3,3'-[(3,3'-DIMETHYL[1,1'-BIPHENYL]-4,4'-DIYL)BIS(AZO)BIS[5-AMINO-4-HYDROXY]-, TETRASODIUM SALT
Amount (Lbs): 106092.1

Waste code: U237
Waste name: 2,4-(1H,3H)-PYRIMIDINEDIONE, 5-[BIS(2-CHLOROETHYL)AMINO]-
Amount (Lbs): 2750322.3

Waste code: U238
Waste name: CARBAMIC ACID, ETHYL ESTER
Amount (Lbs): 73751.9

Waste code: U239
Waste name: BENZENE, DIMETHYL- (I,T)
Amount (Lbs): 46201227.1

Waste code: U246
Waste name: CYANOGEN BROMIDE (CN)BR
Amount (Lbs): 75392.6

Waste code: U248
Waste name: 2H-1-BENZOPYRAN-2-ONE, 4-HYDROXY-3-(3-OXO-1-PHENYL-BUTYL)-, & SALTS, WHEN PRESENT AT CONCENTRATIONS OF 0.3% OR LESS
Amount (Lbs): 26025.8

Waste code: U279
Waste name: CARBARYL (OR) 1-NAPHTHALENOL, METHYLCARBAMATE
Amount (Lbs): 177

Waste code: U328
Waste name: BENZENAMINE, 2-METHYL-
Amount (Lbs): 40780170.4

Waste code: U353
Waste name: BENZENAMINE, 4-METHYL-
Amount (Lbs): 40780170.4

Waste code: U404
Waste name: ETHANAMINE, N,N-DIETHYL- (OR) TRIETHYLAMINE
Amount (Lbs): 36473723.6

Corrective Action Summary:

Event date: 07/01/1984
Event: CA074ME

Event date: 07/01/1984
Event: CA049PA

Event date: 07/01/1984
Event: CA Prioritization, Facility or area was assigned a medium corrective action priority.

CLEAN HARBORS SAN JOSE LLC (Continued) **1000430269**

Event date: 08/01/1985
Event: CA049SI

Event date: 07/01/1986
Event: Stabilization Measures Implemented, Primary measure is source removal and/or treatment (e.g., soil or waste excavation, in-situ soil treatment, off-site treatment).

Event date: 07/01/1986
Event: Stabilization Measures Implemented, Groundwater extraction and treatment (e.g., to achieve groundwater containment, to achieve MCL).

Event date: 04/19/1989
Event: RFI Imposition

Event date: 04/19/1989
Event: CMS Imposition

Event date: 04/20/1989
Event: CMS Workplan Approved

Event date: 04/20/1989
Event: RFI Workplan Approved

Event date: 05/01/1989
Event: RFA Completed, Assessment was an RFA.

Event date: 05/01/1989
Event: RFA Completed, Assessment was an RFA.

Event date: 11/15/1989
Event: CA036WQ

Event date: 12/31/1989
Event: Stabilization Construction Completed

Event date: 08/15/1990
Event: CMI Workplan Approved

Event date: 08/15/1990
Event: CMS Approved

Event date: 08/15/1990
Event: RFI Approved

Event date: 08/15/1990
Event: Date For Remedy Selection (CM Imposed)

Event date: 08/15/1990
Event: Igration of Contaminated Groundwater under Control, Yes, Migration of Contaminated Groundwater Under Control has been verified. Based on a review of information contained in the EI determination, it has been determined that migration of contaminated groundwater is under control at the facility. Specifically, this determination indicates that the migration of contaminated groundwater is under control, and that monitoring will be conducted to confirm that contaminated groundwater remains within the existing area of contaminated groundwater. This

CLEAN HARBORS SAN JOSE LLC (Continued) **1000430269**

determination will be re-evaluated when the Agency becomes aware of significant changes at the facility.

Event date: 11/30/1990
Event: Certification Of Remedy Completion Or Construction Completion

Event date: 04/20/1991
Event: CA Prioritization, Facility or area was assigned a medium corrective action priority.

Event date: 04/01/1992
Event: Current Human Exposures under Control, Yes, Current Human Exposures Under Control has been verified. Based on a review of information contained in the EI determination, current human exposures are expected to be under control at the facility under current and reasonably expected conditions. This determination will be re-evaluated when the Agency/State becomes aware of significant changes at the facility.

Event date: 08/08/1994
Event: CA Prioritization, Facility or area was assigned a high corrective action priority.

Event date: 08/08/1994
Event: Stabilization Measures Evaluation,This facility is not amenable to stabilization activity at the present time for reasons other than 1- it appears to be technically infeasible or inappropriate (NF) or 2- there is a lack of technical information (IN). Reasons for this conclusion may be the status of closure at the facility, the degree of risk, timing considerations, the status of corrective action work at the facility, or other administrative considerations.

Event date: 09/22/1997
Event: CA210WB

Event date: 12/28/2000
Event: Current Human Exposures under Control, Yes, Current Human Exposures Under Control has been verified. Based on a review of information contained in the EI determination, current human exposures are expected to be under control at the facility under current and reasonably expected conditions. This determination will be re-evaluated when the Agency/State becomes aware of significant changes at the facility.

Event date: 12/28/2000
Event: Igration of Contaminated Groundwater under Control, More information is needed to make a determination.

Event date: 09/16/2004
Event: Igration of Contaminated Groundwater under Control, Yes, Migration of Contaminated Groundwater Under Control has been verified. Based on a review of information contained in the EI determination, it has been determined that migration of contaminated groundwater is under control at the facility. Specifically, this determination indicates that the migration of contaminated groundwater is under control, and that monitoring will be conducted to confirm that contaminated groundwater remains within the existing area of contaminated groundwater. This

CLEAN HARBORS SAN JOSE LLC (Continued) **1000430269**

determination will be re-evaluated when the Agency becomes aware of significant changes at the facility.

Facility Has Received Notices of Violations:

Regulation violated:	Not reported
Area of violation:	TSD - General Facility Standards
Date violation determined:	06/29/2005
Date achieved compliance:	Not reported
Violation lead agency:	State
Enforcement action:	WRITTEN INFORMAL
Enforcement action date:	06/29/2005
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:	TSD - General Facility Standards
Date violation determined:	06/16/2004
Date achieved compliance:	Not reported
Violation lead agency:	State
Enforcement action:	WRITTEN INFORMAL
Enforcement action date:	06/27/2005
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:	TSD - General Facility Standards
Date violation determined:	06/19/2003
Date achieved compliance:	08/25/2005
Violation lead agency:	State
Enforcement action:	WRITTEN INFORMAL
Enforcement action date:	06/03/2004
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:	TSD - Manifest/Records/Reporting
Date violation determined:	06/19/2003
Date achieved compliance:	08/25/2005
Violation lead agency:	State
Enforcement action:	WRITTEN INFORMAL
Enforcement action date:	06/03/2004
Enf. disposition status:	Not reported
Enf. disp. status date:	Not reported
Enforcement lead agency:	State
Proposed penalty amount:	Not reported

CLEAN HARBORS SAN JOSE LLC (Continued) **1000430269**

Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Container Use and Management
Date violation determined: 06/18/2001
Date achieved compliance: 06/18/2002
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 02/01/2002
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: TSD - Manifest/Records/Reporting
Date violation determined: 06/18/2001
Date achieved compliance: 06/18/2002
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 02/01/2002
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: TSD - General
Date violation determined: 06/18/2001
Date achieved compliance: 06/18/2002
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 02/01/2002
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: TSD - Tank System Standards
Date violation determined: 06/18/2001
Date achieved compliance: 06/18/2002
Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: 06/18/2001
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

CLEAN HARBORS SAN JOSE LLC (Continued) **1000430269**

Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Tank System Standards
Date violation determined: 06/18/2001
Date achieved compliance: 06/18/2002
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 02/01/2002
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: Transporters - General
Date violation determined: 06/18/2001
Date achieved compliance: 06/18/2002
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 02/01/2002
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: 04/24/2000
Date achieved compliance: 01/21/2001
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 11/30/2000
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: TSD - Container Use and Management
Date violation determined: 04/24/2000
Date achieved compliance: 01/12/2001
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 11/30/2000
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

CLEAN HARBORS SAN JOSE LLC (Continued) **1000430269**

Regulation violated: Not reported
Area of violation: LDR - General
Date violation determined: 04/24/2000
Date achieved compliance: 01/12/2001
Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: 04/24/2003
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: TSD - Manifest/Records/Reporting
Date violation determined: 04/24/2000
Date achieved compliance: 01/12/2001
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 11/30/2000
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: TSD - General Facility Standards
Date violation determined: 04/24/2000
Date achieved compliance: 11/30/2000
Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Container Use and Management
Date violation determined: 04/24/2000
Date achieved compliance: 01/12/2001
Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: 04/24/2003
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

CLEAN HARBORS SAN JOSE LLC (Continued) **1000430269**

Area of violation:	Generators - Records/Reporting
Date violation determined:	04/24/2000
Date achieved compliance:	11/30/2000
Violation lead agency:	State
Enforcement action:	Not reported
Enforcement action date:	Not reported
Enf. disposition status:	Not reported
Enf. disp. status date:	Not reported
Enforcement lead agency:	Not reported
Proposed penalty amount:	Not reported
Final penalty amount:	Not reported
Paid penalty amount:	Not reported

Regulation violated:	Not reported
Area of violation:	TSD - General Facility Standards
Date violation determined:	04/24/2000
Date achieved compliance:	01/21/2001
Violation lead agency:	State
Enforcement action:	WRITTEN INFORMAL
Enforcement action date:	11/30/2000
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:	TSD - Manifest/Records/Reporting
Date violation determined:	04/24/2000
Date achieved compliance:	01/12/2001
Violation lead agency:	State
Enforcement action:	Not reported
Enforcement action date:	04/24/2003
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:	TSD - General
Date violation determined:	04/24/2000
Date achieved compliance:	01/21/2001
Violation lead agency:	State
Enforcement action:	WRITTEN INFORMAL
Enforcement action date:	11/30/2000
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:	LDR - General

CLEAN HARBORS SAN JOSE LLC (Continued) **1000430269**

Date violation determined: 04/24/2000
Date achieved compliance: 01/12/2001
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 11/30/2000
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: TSD - Tank System Standards
Date violation determined: 04/24/2000
Date achieved compliance: 01/12/2001
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 11/30/2000
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: TSD - Tank System Standards
Date violation determined: 04/24/2000
Date achieved compliance: 01/12/2001
Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: 04/24/2003
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: FR - 262.50-60
Area of violation: Generators - General
Date violation determined: 11/18/1992
Date achieved compliance: 11/18/1992
Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 264.170-177.I
Area of violation: TSD - General
Date violation determined: 11/18/1992

CLEAN HARBORS SAN JOSE LLC (Continued) **1000430269**

Date achieved compliance: 11/18/1992
Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 264.50-56.D
Area of violation: TSD - General
Date violation determined: 07/21/1992
Date achieved compliance: 09/17/1992
Violation lead agency: State
Enforcement action: REFERRAL TO ATTORNEY GENERAL
Enforcement action date: 06/13/1994
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: FR - 264.50-56.D
Area of violation: TSD - General
Date violation determined: 07/21/1992
Date achieved compliance: 09/17/1992
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 07/30/1992
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: FR - 264.10-18.B
Area of violation: TSD - General
Date violation determined: 07/21/1992
Date achieved compliance: 01/20/1993
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 07/30/1992
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: FR - 264.190-201.J
Area of violation: TSD - General
Date violation determined: 07/21/1992
Date achieved compliance: 09/17/1992

CLEAN HARBORS SAN JOSE LLC (Continued) **1000430269**

Violation lead agency: State
Enforcement action: REFERRAL TO ATTORNEY GENERAL
Enforcement action date: 06/13/1994
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: FR - 264.190-201.J
Area of violation: TSD - General
Date violation determined: 07/21/1992
Date achieved compliance: 09/17/1992
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 07/30/1992
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: FR - 264.190-201.J
Area of violation: TSD - General
Date violation determined: 07/21/1992
Date achieved compliance: 09/17/1992
Violation lead agency: State
Enforcement action: FINAL 3008(A) COMPLIANCE ORDER
Enforcement action date: 01/03/1995
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: 700000
Paid penalty amount: 0

Regulation violated: FR - 264.50-56.D
Area of violation: TSD - General
Date violation determined: 07/21/1992
Date achieved compliance: 09/17/1992
Violation lead agency: State
Enforcement action: FINAL 3008(A) COMPLIANCE ORDER
Enforcement action date: 01/03/1995
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: 700000
Paid penalty amount: 0

Regulation violated: FR - 264.10-18.B
Area of violation: TSD - General
Date violation determined: 07/21/1992
Date achieved compliance: 01/20/1993
Violation lead agency: State

CLEAN HARBORS SAN JOSE LLC (Continued) **1000430269**

Enforcement action: FINAL 3008(A) COMPLIANCE ORDER
Enforcement action date: 01/03/1995
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: 700000
Paid penalty amount: 0

Regulation violated: FR - 264.10-18.B
Area of violation: TSD - General
Date violation determined: 07/21/1992
Date achieved compliance: 01/20/1993
Violation lead agency: State
Enforcement action: REFERRAL TO ATTORNEY GENERAL
Enforcement action date: 06/13/1994
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: FR - 270
Area of violation: TSD - General
Date violation determined: 07/31/1991
Date achieved compliance: 11/18/1992
Violation lead agency: State
Enforcement action: FINAL 3008(A) COMPLIANCE ORDER
Enforcement action date: 01/03/1995
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: 700000
Paid penalty amount: 0

Regulation violated: FR - 270
Area of violation: TSD - General
Date violation determined: 07/31/1991
Date achieved compliance: 11/18/1992
Violation lead agency: State
Enforcement action: REFERRAL TO ATTORNEY GENERAL
Enforcement action date: 06/13/1994
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: FR - 270
Area of violation: TSD - General
Date violation determined: 07/31/1991
Date achieved compliance: 11/18/1992
Violation lead agency: State
Enforcement action: FINAL 3008(A) COMPLIANCE ORDER

CLEAN HARBORS SAN JOSE LLC (Continued) **1000430269**

Enforcement action date: 08/15/1991
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: FR - 264.170-177.I
Area of violation: TSD - General
Date violation determined: 07/31/1991
Date achieved compliance: 11/18/1992
Violation lead agency: State
Enforcement action: FINAL 3008(A) COMPLIANCE ORDER
Enforcement action date: 01/03/1995
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: 700000
Paid penalty amount: 0

Regulation violated: FR - 264.170-177.I
Area of violation: TSD - General
Date violation determined: 07/31/1991
Date achieved compliance: 11/18/1992
Violation lead agency: State
Enforcement action: FINAL 3008(A) COMPLIANCE ORDER
Enforcement action date: 08/15/1991
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: FR - 264.170-177.I
Area of violation: TSD - General
Date violation determined: 07/31/1991
Date achieved compliance: 11/18/1992
Violation lead agency: State
Enforcement action: REFERRAL TO ATTORNEY GENERAL
Enforcement action date: 06/13/1994
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: FR - 264.10-18.B
Area of violation: TSD - General
Date violation determined: 07/02/1991
Date achieved compliance: 01/17/1995
Violation lead agency: State
Enforcement action: REFERRAL TO ATTORNEY GENERAL
Enforcement action date: 06/13/1994

CLEAN HARBORS SAN JOSE LLC (Continued) **1000430269**

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: FR - 264.10-18.B
Area of violation: TSD - General
Date violation determined: 07/02/1991
Date achieved compliance: 01/17/1995
Violation lead agency: State
Enforcement action: FINAL 3008(A) COMPLIANCE ORDER
Enforcement action date: 01/03/1995
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: 700000
Paid penalty amount: 0

Regulation violated: FR - 270
Area of violation: TSD - General
Date violation determined: 09/25/1990
Date achieved compliance: 01/11/1991
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 10/31/1990
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: FR - 264.50-56.D
Area of violation: TSD - General
Date violation determined: 11/11/1989
Date achieved compliance: 01/28/1991
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 12/19/1989
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: FR - 264.190-201.J
Area of violation: TSD - General
Date violation determined: 11/11/1989
Date achieved compliance: 01/28/1991
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 12/19/1989
Enf. disposition status: Not reported

CLEAN HARBORS SAN JOSE LLC (Continued) **1000430269**

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: FR - 262.50-60
Area of violation: Generators - General
Date violation determined: 12/29/1988
Date achieved compliance: 01/28/1991
Violation lead agency: State
Enforcement action: REFERRAL TO ATTORNEY GENERAL
Enforcement action date: 04/12/1989
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: 130000
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 262.20-23.B
Area of violation: Generators - General
Date violation determined: 12/29/1988
Date achieved compliance: 01/28/1991
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 12/27/1988
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: FR - 262.20-23.B
Area of violation: Generators - General
Date violation determined: 12/29/1988
Date achieved compliance: 01/28/1991
Violation lead agency: State
Enforcement action: REFERRAL TO ATTORNEY GENERAL
Enforcement action date: 04/12/1989
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: 130000
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 262.50-60
Area of violation: Generators - General
Date violation determined: 12/29/1988
Date achieved compliance: 01/28/1991
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 12/27/1988
Enf. disposition status: Not reported
Enf. disp. status date: Not reported

CLEAN HARBORS SAN JOSE LLC (Continued) **1000430269**

Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 262.50-60
Area of violation: Generators - General
Date violation determined: 12/29/1988
Date achieved compliance: 01/28/1991
Violation lead agency: State
Enforcement action: FINAL CIVIL JUDICIAL ACTION FOR COMPLIANCE AND/OR MONETARY PENALTY
Enforcement action date: 12/31/1990
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: FR - 262.20-23.B
Area of violation: Generators - General
Date violation determined: 12/29/1988
Date achieved compliance: 01/28/1991
Violation lead agency: State
Enforcement action: FINAL CIVIL JUDICIAL ACTION FOR COMPLIANCE AND/OR MONETARY PENALTY
Enforcement action date: 12/31/1990
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: FR - 264.50-56.D
Area of violation: TSD - General
Date violation determined: 12/27/1988
Date achieved compliance: 01/28/1991
Violation lead agency: State
Enforcement action: FINAL CIVIL JUDICIAL ACTION FOR COMPLIANCE AND/OR MONETARY PENALTY
Enforcement action date: 12/31/1990
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: FR - 264.50-56.D
Area of violation: TSD - General
Date violation determined: 12/27/1988
Date achieved compliance: 01/28/1991
Violation lead agency: State
Enforcement action: REFERRAL TO ATTORNEY GENERAL
Enforcement action date: 04/12/1989
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State

CLEAN HARBORS SAN JOSE LLC (Continued) **1000430269**

Proposed penalty amount: 130000
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 264.170-177.I
Area of violation: TSD - General
Date violation determined: 12/27/1988
Date achieved compliance: 01/28/1991
Violation lead agency: State
Enforcement action: FINAL CIVIL JUDICIAL ACTION FOR COMPLIANCE AND/OR MONETARY PENALTY
Enforcement action date: 12/31/1990
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: FR - 264.170-177.I
Area of violation: TSD - General
Date violation determined: 12/27/1988
Date achieved compliance: 01/28/1991
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 12/27/1988
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: FR - 264.10-18.B
Area of violation: TSD - General
Date violation determined: 12/27/1988
Date achieved compliance: 01/28/1991
Violation lead agency: State
Enforcement action: REFERRAL TO ATTORNEY GENERAL
Enforcement action date: 04/12/1989
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: 130000
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 264.10-18.B
Area of violation: TSD - General
Date violation determined: 12/27/1988
Date achieved compliance: 01/28/1991
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 12/27/1988
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported

CLEAN HARBORS SAN JOSE LLC (Continued) **1000430269**

Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 264.50-56.D
Area of violation: TSD - General
Date violation determined: 12/27/1988
Date achieved compliance: 01/28/1991
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 12/27/1988
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: FR - 264.190-201.J
Area of violation: TSD - General
Date violation determined: 12/27/1988
Date achieved compliance: 01/28/1991
Violation lead agency: State
Enforcement action: FINAL CIVIL JUDICIAL ACTION FOR COMPLIANCE AND/OR MONETARY PENALTY
Enforcement action date: 12/31/1990
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: FR - 264.190-201.J
Area of violation: TSD - General
Date violation determined: 12/27/1988
Date achieved compliance: 01/28/1991
Violation lead agency: State
Enforcement action: REFERRAL TO ATTORNEY GENERAL
Enforcement action date: 04/12/1989
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: 130000
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 264.190-201.J
Area of violation: TSD - General
Date violation determined: 12/27/1988
Date achieved compliance: 01/28/1991
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 12/27/1988
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

CLEAN HARBORS SAN JOSE LLC (Continued) **1000430269**

Paid penalty amount: Not reported

Regulation violated: FR - 270
Area of violation: TSD - General
Date violation determined: 12/27/1988
Date achieved compliance: 01/28/1991
Violation lead agency: State
Enforcement action: FINAL CIVIL JUDICIAL ACTION FOR COMPLIANCE AND/OR MONETARY PENALTY
Enforcement action date: 12/31/1990
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: FR - 270
Area of violation: TSD - General
Date violation determined: 12/27/1988
Date achieved compliance: 01/28/1991
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 12/27/1988
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: FR - 270
Area of violation: TSD - General
Date violation determined: 12/27/1988
Date achieved compliance: 01/28/1991
Violation lead agency: State
Enforcement action: REFERRAL TO ATTORNEY GENERAL
Enforcement action date: 04/12/1989
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: 130000
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 264.10-18.B
Area of violation: TSD - General
Date violation determined: 12/27/1988
Date achieved compliance: 01/28/1991
Violation lead agency: State
Enforcement action: FINAL CIVIL JUDICIAL ACTION FOR COMPLIANCE AND/OR MONETARY PENALTY
Enforcement action date: 12/31/1990
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

CLEAN HARBORS SAN JOSE LLC (Continued) **1000430269**

Regulation violated: FR - 264.170-177.I
Area of violation: TSD - General
Date violation determined: 12/27/1988
Date achieved compliance: 01/28/1991
Violation lead agency: State
Enforcement action: REFERRAL TO ATTORNEY GENERAL
Enforcement action date: 04/12/1989
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: 130000
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 270
Area of violation: TSD - General
Date violation determined: 06/24/1988
Date achieved compliance: 01/28/1991
Violation lead agency: State
Enforcement action: FINAL CIVIL JUDICIAL ACTION FOR COMPLIANCE AND/OR MONETARY PENALTY
Enforcement action date: 12/31/1990
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: FR - 270
Area of violation: TSD - General
Date violation determined: 06/24/1988
Date achieved compliance: 01/28/1991
Violation lead agency: State
Enforcement action: REFERRAL TO ATTORNEY GENERAL
Enforcement action date: 04/12/1989
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: 130000
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 264.110-120.G
Area of violation: TSD - Closure/Post-Closure
Date violation determined: 06/24/1988
Date achieved compliance: 01/28/1991
Violation lead agency: State
Enforcement action: FINAL CIVIL JUDICIAL ACTION FOR COMPLIANCE AND/OR MONETARY PENALTY
Enforcement action date: 12/31/1990
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: FR - 270

CLEAN HARBORS SAN JOSE LLC (Continued) **1000430269**

Area of violation: TSD - General
Date violation determined: 06/24/1988
Date achieved compliance: 01/28/1991
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 12/27/1988
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: FR - 264.70-77.E
Area of violation: TSD - General
Date violation determined: 06/24/1988
Date achieved compliance: 01/28/1991
Violation lead agency: State
Enforcement action: REFERRAL TO ATTORNEY GENERAL
Enforcement action date: 04/12/1989
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: 130000
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 264.70-77.E
Area of violation: TSD - General
Date violation determined: 06/24/1988
Date achieved compliance: 01/28/1991
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 12/27/1988
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: FR - 264.70-77.E
Area of violation: TSD - General
Date violation determined: 06/24/1988
Date achieved compliance: 01/28/1991
Violation lead agency: State
Enforcement action: FINAL CIVIL JUDICIAL ACTION FOR COMPLIANCE AND/OR MONETARY PENALTY
Enforcement action date: 12/31/1990
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: FR - 264.110-120.G
Area of violation: TSD - Closure/Post-Closure

CLEAN HARBORS SAN JOSE LLC (Continued) **1000430269**

Date violation determined: 06/24/1988
Date achieved compliance: 01/28/1991
Violation lead agency: State
Enforcement action: REFERRAL TO ATTORNEY GENERAL
Enforcement action date: 04/12/1989
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: 130000
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 264.110-120.G
Area of violation: TSD - Closure/Post-Closure
Date violation determined: 06/24/1988
Date achieved compliance: 01/28/1991
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 12/27/1988
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: FR - 268.7
Area of violation: LDR - General
Date violation determined: 10/21/1987
Date achieved compliance: 01/19/1988
Violation lead agency: EPA
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 12/18/1987
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: EPA
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 268 ALL
Area of violation: LDR - General
Date violation determined: 10/21/1987
Date achieved compliance: 01/19/1988
Violation lead agency: EPA
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 12/18/1987
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: EPA
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 270
Area of violation: TSD - General
Date violation determined: 10/21/1987

CLEAN HARBORS SAN JOSE LLC (Continued) **1000430269**

Date achieved compliance: 01/19/1988
Violation lead agency: EPA
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 12/18/1987
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: EPA
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 270
Area of violation: TSD - General
Date violation determined: 12/10/1986
Date achieved compliance: 01/28/1991
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 05/11/1987
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: FR - 264.110-120.G
Area of violation: TSD - Closure/Post-Closure
Date violation determined: 12/10/1986
Date achieved compliance: 01/28/1991
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 05/11/1987
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

Evaluation Action Summary:
Evaluation date: 06/04/2008
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 08/13/2007
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 06/28/2007
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

CLEAN HARBORS SAN JOSE LLC (Continued) **1000430269**

Evaluation date: 07/26/2006
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 07/25/2005
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 06/29/2005
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - General Facility Standards
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 06/16/2004
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - General Facility Standards
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 06/27/2003
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 06/19/2003
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - General Facility Standards
Date achieved compliance: 08/25/2005
Evaluation lead agency: State

Evaluation date: 06/19/2003
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - Manifest/Records/Reporting
Date achieved compliance: 08/25/2005
Evaluation lead agency: State

Evaluation date: 03/25/2002
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 06/18/2001
Evaluation: FOLLOW-UP INSPECTION
Area of violation: TSD - Tank System Standards
Date achieved compliance: 06/18/2002
Evaluation lead agency: State

Evaluation date: 06/18/2001
Evaluation: FOLLOW-UP INSPECTION
Area of violation: TSD - Container Use and Management

CLEAN HARBORS SAN JOSE LLC (Continued) **1000430269**

Date achieved compliance: 06/18/2002
Evaluation lead agency: State

Evaluation date: 06/18/2001
Evaluation: FOLLOW-UP INSPECTION
Area of violation: TSD - Manifest/Records/Reporting
Date achieved compliance: 06/18/2002
Evaluation lead agency: State

Evaluation date: 06/18/2001
Evaluation: FOLLOW-UP INSPECTION
Area of violation: Transporters - General
Date achieved compliance: 06/18/2002
Evaluation lead agency: State

Evaluation date: 06/18/2001
Evaluation: FOLLOW-UP INSPECTION
Area of violation: TSD - General
Date achieved compliance: 06/18/2002
Evaluation lead agency: State

Evaluation date: 04/27/2000
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: EPA-Initiated Oversight/Observation/Training Actions

Evaluation date: 04/24/2000
Evaluation: FOLLOW-UP INSPECTION
Area of violation: TSD - Tank System Standards
Date achieved compliance: 01/12/2001
Evaluation lead agency: State

Evaluation date: 04/24/2000
Evaluation: FOLLOW-UP INSPECTION
Area of violation: TSD - Manifest/Records/Reporting
Date achieved compliance: 01/12/2001
Evaluation lead agency: State

Evaluation date: 04/24/2000
Evaluation: FOLLOW-UP INSPECTION
Area of violation: TSD - Container Use and Management
Date achieved compliance: 01/12/2001
Evaluation lead agency: State

Evaluation date: 04/24/2000
Evaluation: FOLLOW-UP INSPECTION
Area of violation: TSD - General Facility Standards
Date achieved compliance: 01/21/2001
Evaluation lead agency: State

Evaluation date: 04/24/2000
Evaluation: FOLLOW-UP INSPECTION
Area of violation: TSD - General Facility Standards
Date achieved compliance: 11/30/2000
Evaluation lead agency: State

CLEAN HARBORS SAN JOSE LLC (Continued) **1000430269**

Evaluation date: 04/24/2000
Evaluation: FOLLOW-UP INSPECTION
Area of violation: LDR - General
Date achieved compliance: 01/12/2001
Evaluation lead agency: State

Evaluation date: 04/24/2000
Evaluation: FOLLOW-UP INSPECTION
Area of violation: Generators - Records/Reporting
Date achieved compliance: 01/21/2001
Evaluation lead agency: State

Evaluation date: 04/24/2000
Evaluation: FOLLOW-UP INSPECTION
Area of violation: TSD - General
Date achieved compliance: 01/21/2001
Evaluation lead agency: State

Evaluation date: 04/24/2000
Evaluation: FOLLOW-UP INSPECTION
Area of violation: Generators - Records/Reporting
Date achieved compliance: 11/30/2000
Evaluation lead agency: State

Evaluation date: 06/30/1999
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 08/12/1998
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: EPA

Evaluation date: 03/27/1998
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 06/02/1997
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: EPA

Evaluation date: 10/10/1996
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: EPA

Evaluation date: 07/20/1995
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported

CLEAN HARBORS SAN JOSE LLC (Continued) **1000430269**

Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 12/21/1993
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 11/17/1992
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - General
Date achieved compliance: 11/18/1992
Evaluation lead agency: State

Evaluation date: 11/17/1992
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 11/18/1992
Evaluation lead agency: State

Evaluation date: 11/03/1992
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 06/09/1992
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - General
Date achieved compliance: 01/20/1993
Evaluation lead agency: State

Evaluation date: 06/09/1992
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - General
Date achieved compliance: 09/17/1992
Evaluation lead agency: State

Evaluation date: 04/15/1992
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 11/20/1991
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 07/02/1991
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - General
Date achieved compliance: 11/18/1992
Evaluation lead agency: State

CLEAN HARBORS SAN JOSE LLC (Continued) **1000430269**

Evaluation date: 07/02/1991
Evaluation: FOCUSED COMPLIANCE INSPECTION
Area of violation: TSD - General
Date achieved compliance: 01/17/1995
Evaluation lead agency: State

Evaluation date: 09/25/1990
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - General
Date achieved compliance: 01/11/1991
Evaluation lead agency: State

Evaluation date: 09/17/1990
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 03/21/1990
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 03/13/1990
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 09/28/1989
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - General
Date achieved compliance: 01/28/1991
Evaluation lead agency: State

Evaluation date: 06/07/1989
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 06/24/1988
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 01/28/1991
Evaluation lead agency: State

Evaluation date: 06/24/1988
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - Closure/Post-Closure
Date achieved compliance: 01/28/1991
Evaluation lead agency: State

Evaluation date: 06/24/1988
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - General

CLEAN HARBORS SAN JOSE LLC (Continued) **1000430269**

Date achieved compliance: 01/28/1991
Evaluation lead agency: State

Evaluation date: 06/02/1988
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 03/07/1988
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 10/21/1987
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: LDR - General
Date achieved compliance: 01/19/1988
Evaluation lead agency: EPA

Evaluation date: 10/21/1987
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - General
Date achieved compliance: 01/19/1988
Evaluation lead agency: EPA

Evaluation date: 12/10/1986
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - Closure/Post-Closure
Date achieved compliance: 01/28/1991
Evaluation lead agency: State

Evaluation date: 12/10/1986
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - General
Date achieved compliance: 01/28/1991
Evaluation lead agency: State

CERC-NFRAP:
Site ID: 0901471
Federal Facility: Not a Federal Facility
NPL Status: Removed from Proposed NPL
Non NPL Status: NFRAP

CERCLIS-NFRAP Site Contact Name(s):
Contact Title: Not reported
Contact Name: Carl Brickner
Contact Tel: (415) 972-3814

Contact Title: Not reported
Contact Name: Brunilda Davila
Contact Tel: (415) 972-3162

Contact Title: Not reported
Contact Name: Jeff Inglis
Contact Tel: (415) 972-3095

CLEAN HARBORS SAN JOSE LLC (Continued) **1000430269**

Contact Title: Not reported
Contact Name: Karen Jurist
Contact Tel: (415) 972-3219

Contact Title: Not reported
Contact Name: Matt Mitguard
Contact Tel: (415) 972-3096

CERCLIS-NFRAP Site Alias Name(s):
Alias Name: BERRYESSA RD, SAN JOSE
Alias Address: Not reported
CA

Alias Name: SSI
Alias Address: Not reported
CA

Alias Name: SOLVENT SERVICE, INC.
Alias Address: 1021 BERRYESSA RD
SAN JOSE, CA 95133

CERCLIS-NFRAP Assessment History:
Action: DISCOVERY
Date Started: Not reported
Date Completed: 07/01/1984
Priority Level: Not reported

Action: PRELIMINARY ASSESSMENT
Date Started: Not reported
Date Completed: 07/01/1984
Priority Level: Low priority for further assessment

Action: HRS PACKAGE
Date Started: Not reported
Date Completed: 08/01/1985
Priority Level: Not reported

Action: SITE INSPECTION
Date Started: Not reported
Date Completed: 08/01/1985
Priority Level: Higher priority for further assessment

Action: PROPOSAL TO NPL
Date Started: Not reported
Date Completed: 06/24/1988
Priority Level: Not reported

Action: STATE ORDER
Date Started: Not reported
Date Completed: 04/19/1989
Priority Level: Not reported

Action: REMOVAL ASSESSMENT
Date Started: 08/03/1989
Date Completed: 08/03/1989
Priority Level: Not reported

CLEAN HARBORS SAN JOSE LLC (Continued) **1000430269**

Action: STATE SUPPORT AGENCY COOP AGREEMENT
Date Started: 09/15/1989
Date Completed: Not reported
Priority Level: Not reported

Action: CF
Date Started: Not reported
Date Completed: 06/20/1990
Priority Level: Not reported

Action: REMOVAL ASSESSMENT
Date Started: 08/14/1990
Date Completed: 08/14/1990
Priority Level: Not reported

Action: STATE ORDER
Date Started: Not reported
Date Completed: 08/15/1990
Priority Level: Not reported

Action: REMOVED FROM THE PROPOSED NPL
Date Started: Not reported
Date Completed: 08/30/1990
Priority Level: Not reported

Action: RECORD OF DECISION
Date Started: Not reported
Date Completed: 09/27/1990
Priority Level: Final Remedy Selected at Site

Action: PRP RI/FS
Date Started: 04/20/1989
Date Completed: 09/27/1990
Priority Level: Not reported

Action: ADMINISTRATIVE RECORDS
Date Started: 10/22/1990
Date Completed: Not reported
Priority Level: Admin Record Compiled for a Remedial Event

Action: ADMIN ORDER ON CONSENT
Date Started: Not reported
Date Completed: 09/28/1992
Priority Level: Not reported

Action: PREPARATION OF COST DOCM PKGE
Date Started: 03/01/1995
Date Completed: 06/29/1995
Priority Level: Not reported

Action: DL
Date Started: Not reported
Date Completed: 09/28/1995
Priority Level: Not reported

Action: ARCHIVE SITE
Date Started: Not reported

CLEAN HARBORS SAN JOSE LLC (Continued) **1000430269**

Date Completed: 06/12/2003
Priority Level: Not reported

Action: PRP RD
Date Started: Not reported
Date Completed: Not reported
Priority Level: Not reported

Action: GE
Date Started: Not reported
Date Completed: Not reported
Priority Level: Not reported

Action: PREPARATION OF COST DOCM PKGE
Date Started: Not reported
Date Completed: Not reported
Priority Level: Not reported

CORRACTS:

EPA ID: CAD059494310
EPA Region: 09
Area Name: ENTIRE FACILITY
Actual Date: 4/1/1992
Action: CA725YE - Current Human Exposures Under Control, Yes, Current Human Exposures Under Control has been verified
NAICS Code(s): 562211
Hazardous Waste Treatment and Disposal
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: CAD059494310
EPA Region: 09
Area Name: ENTIRE FACILITY
Actual Date: 4/19/1989
Action: CA250 - CMS Imposition
NAICS Code(s): 562211
Hazardous Waste Treatment and Disposal
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: CAD059494310
EPA Region: 09
Area Name: ENTIRE FACILITY
Actual Date: 4/19/1989
Action: CA100 - RFI Imposition
NAICS Code(s): 562211
Hazardous Waste Treatment and Disposal
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: CAD059494310
EPA Region: 09
Area Name: ENTIRE FACILITY
Actual Date: 4/20/1989
Action: CA150 - RFI Workplan Approved

CLEAN HARBORS SAN JOSE LLC (Continued) **1000430269**

NAICS Code(s): 562211
Hazardous Waste Treatment and Disposal
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: CAD059494310
EPA Region: 09
Area Name: ENTIRE FACILITY
Actual Date: 4/20/1989
Action: CA300 - CMS Workplan Approved
NAICS Code(s): 562211
Hazardous Waste Treatment and Disposal
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: CAD059494310
EPA Region: 09
Area Name: ENTIRE FACILITY
Actual Date: 4/20/1991
Action: CA075ME - CA Prioritization, Facility or area was assigned a medium corrective action priority
NAICS Code(s): 562211
Hazardous Waste Treatment and Disposal
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: CAD059494310
EPA Region: 09
Area Name: ENTIRE FACILITY
Actual Date: 5/1/1989
Action: CA050RF - RFA Completed, Assessment was an RFA
NAICS Code(s): 562211
Hazardous Waste Treatment and Disposal
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: CAD059494310
EPA Region: 09
Area Name: ENTIRE FACILITY
Actual Date: 7/1/1984
Action: CA075ME - CA Prioritization, Facility or area was assigned a medium corrective action priority
NAICS Code(s): 562211
Hazardous Waste Treatment and Disposal
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: CAD059494310
EPA Region: 09
Area Name: ENTIRE FACILITY
Actual Date: 7/1/1986
Action: CA600SR - Stabilization Measures Implemented, Primary measure is source removal and/or treatment
NAICS Code(s): 562211
Hazardous Waste Treatment and Disposal
Original schedule date: Not reported
Schedule end date: Not reported

CLEAN HARBORS SAN JOSE LLC (Continued) **1000430269**

EPA ID:	CAD059494310
EPA Region:	09
Area Name:	ENTIRE FACILITY
Actual Date:	7/1/1986
Action:	CA600GW - Stabilization Measures Implemented, Groundwater extraction and treatment
NAICS Code(s):	562211 Hazardous Waste Treatment and Disposal
Original schedule date:	Not reported
Schedule end date:	Not reported

EPA ID:	CAD059494310
EPA Region:	09
Area Name:	ENTIRE FACILITY
Actual Date:	8/8/1994
Action:	CA225NR - Stabilization Measures Evaluation, This facility is, not amenable to stabilization activity at the, present time for reasons other than (1) it appears to be technically, infeasible or inappropriate (NF) or (2) there is a lack of technical, information (IN). Reasons for this conclusion may be the status of, closure at the facility, the degree of risk, timing considerations, the status of corrective action work at the facility, or other, administrative considerations
NAICS Code(s):	562211 Hazardous Waste Treatment and Disposal
Original schedule date:	Not reported
Schedule end date:	Not reported

EPA ID:	CAD059494310
EPA Region:	09
Area Name:	ENTIRE FACILITY
Actual Date:	8/8/1994
Action:	CA075HI - CA Prioritization, Facility or area was assigned a high corrective action priority
NAICS Code(s):	562211 Hazardous Waste Treatment and Disposal
Original schedule date:	Not reported
Schedule end date:	Not reported

EPA ID:	CAD059494310
EPA Region:	09
Area Name:	ENTIRE FACILITY
Actual Date:	8/15/1990
Action:	CA500 - CMI Workplan Approved
NAICS Code(s):	562211 Hazardous Waste Treatment and Disposal
Original schedule date:	Not reported
Schedule end date:	Not reported

EPA ID:	CAD059494310
EPA Region:	09
Area Name:	ENTIRE FACILITY
Actual Date:	8/15/1990
Action:	CA400 - Date For Remedy Selection (CM Imposed)
NAICS Code(s):	562211 Hazardous Waste Treatment and Disposal
Original schedule date:	Not reported

CLEAN HARBORS SAN JOSE LLC (Continued) **1000430269**

Schedule end date: Not reported

EPA ID: CAD059494310
EPA Region: 09
Area Name: ENTIRE FACILITY
Actual Date: 8/15/1990
Action: CA200 - RFI Approved
NAICS Code(s): 562211
Hazardous Waste Treatment and Disposal
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: CAD059494310
EPA Region: 09
Area Name: ENTIRE FACILITY
Actual Date: 8/15/1990
Action: CA350 - CMS Approved
NAICS Code(s): 562211
Hazardous Waste Treatment and Disposal
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: CAD059494310
EPA Region: 09
Area Name: ENTIRE FACILITY
Actual Date: 8/15/1990
Action: CA750YE - Migration of Contaminated Groundwater under Control, Yes, Migration of Contaminated Groundwater Under Control has been verified
NAICS Code(s): 562211
Hazardous Waste Treatment and Disposal
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: CAD059494310
EPA Region: 09
Area Name: ENTIRE FACILITY
Actual Date: 9/16/2004
Action: CA750YE - Migration of Contaminated Groundwater under Control, Yes, Migration of Contaminated Groundwater Under Control has been verified
NAICS Code(s): 562211
Hazardous Waste Treatment and Disposal
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: CAD059494310
EPA Region: 09
Area Name: ENTIRE FACILITY
Actual Date: 9/22/1997
Action: CA210 - CA Responsibility Referred To A Non-RCRA Federal Authority
NAICS Code(s): 562211
Hazardous Waste Treatment and Disposal
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: CAD059494310
EPA Region: 09
Area Name: ENTIRE FACILITY

CLEAN HARBORS SAN JOSE LLC (Continued) **1000430269**

Actual Date: 11/30/1990
Action: CA550 - Certification Of Remedy Completion Or Construction Completion
NAICS Code(s): 562211
Hazardous Waste Treatment and Disposal
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: CAD059494310
EPA Region: 09
Area Name: ENTIRE FACILITY
Actual Date: 12/28/2000
Action: CA725YE - Current Human Exposures Under Control, Yes, Current Human Exposures Under Control has been verified
NAICS Code(s): 562211
Hazardous Waste Treatment and Disposal
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: CAD059494310
EPA Region: 09
Area Name: ENTIRE FACILITY
Actual Date: 12/28/2000
Action: CA750IN - Migration of Contaminated Groundwater under Control, More information is needed to make a determination
NAICS Code(s): 562211
Hazardous Waste Treatment and Disposal
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: CAD059494310
EPA Region: 09
Area Name: ENTIRE FACILITY
Actual Date: 12/31/1989
Action: CA650 - Stabilization Construction Completed
NAICS Code(s): 562211
Hazardous Waste Treatment and Disposal
Original schedule date: Not reported
Schedule end date: Not reported

US ENG CONTROLS:
EPA ID: CAD059494310
Site ID: 0901471
Name: SOLVENT SERVICE, INC.
Address: 1021 BERRYESSA RD
SAN JOSE, CA 95133
EPA Region: 09
County: SANTA CLARA
Event Code: Not reported
Actual Date: Not reported

Action ID: 001
Action Name: RECORD OF DECISION
Action Completion date: 9/27/1990
Planned Complet. date: 9/30/1990
Operable Unit: 01
Contaminated Media : Groundwater
Engineering Control: Air Stripping

CLEAN HARBORS SAN JOSE LLC (Continued) **1000430269**

Action ID: 001
Action Name: RECORD OF DECISION
Action Completion date: 9/27/1990
Planned Complet. date: 9/30/1990
Operable Unit: 01
Contaminated Media : Groundwater
Engineering Control: Bioremediation Treatment, (N.O.S.)

Action ID: 001
Action Name: RECORD OF DECISION
Action Completion date: 9/27/1990
Planned Complet. date: 9/30/1990
Operable Unit: 01
Contaminated Media : Groundwater
Engineering Control: Flocculation

Action ID: 001
Action Name: RECORD OF DECISION
Action Completion date: 9/27/1990
Planned Complet. date: 9/30/1990
Operable Unit: 01
Contaminated Media : Groundwater
Engineering Control: Liquid Phase Carbon Adsorption

Action ID: 001
Action Name: RECORD OF DECISION
Action Completion date: 9/27/1990
Planned Complet. date: 9/30/1990
Operable Unit: 01
Contaminated Media : Groundwater
Engineering Control: Monitoring

Action ID: 001
Action Name: RECORD OF DECISION
Action Completion date: 9/27/1990
Planned Complet. date: 9/30/1990
Operable Unit: 01
Contaminated Media : Groundwater
Engineering Control: Operations & Maintenance (O&M)

US INST CONTROL:
EPA ID: CAD059494310
Site ID: 0901471
Name: SOLVENT SERVICE, INC.
Action Name: RECORD OF DECISION
Address: 1021 BERRYESSA RD
SAN JOSE, CA 95133
EPA Region: 09
County: SANTA CLARA
Event Code: Not reported
Inst. Control: Institutional Controls, (N.O.S.)
Actual Date: Not reported
Complet. Date: 09/27/90
Operable Unit: 01
Contaminated Media : Groundwater

CLEAN HARBORS SAN JOSE LLC (Continued) **1000430269**

ROD:

Full-text of USEPA Record of Decision(s) is available from EDR.

FINDS:

Registry ID: 110000484743

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).

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.

US National Pollutant Discharge Elimination System (NPDES) module of the Compliance Information System (ICIS) tracks surface water permits issued under the Clean Water Act. Under NPDES, all facilities that discharge pollutants from any point source into waters of the United States are required to obtain a permit. The permit will likely contain limits on what can be discharged, impose monitoring and reporting requirements, and include other provisions to ensure that the discharge does not adversely affect water quality.

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.

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.

PCS (Permit Compliance System) is a computerized management information system that contains data on National Pollutant Discharge Elimination System (NPDES) permit holding facilities. PCS tracks the

CLEAN HARBORS SAN JOSE LLC (Continued) **1000430269**

permit, compliance, and enforcement status of NPDES facilities.

HIST UST:

Region:	STATE
Facility ID:	00000022083
Facility Type:	Other
Other Type:	T.S.D.F.
Total Tanks:	0003
Contact Name:	E.A. MAIONCHI
Telephone:	4082866446
Owner Name:	SOLVENT SERVICE
Owner Address:	1021 BERRYESSA ROAD
Owner City,St,Zip:	SAN JOSE, CA 95133
Tank Num:	001
Container Num:	1
Year Installed:	1983
Tank Capacity:	00006000
Tank Used for:	WASTE
Type of Fuel:	Not reported
Tank Construction:	1/4" unknown
Leak Detection:	Groundwater Monitoring Well
Tank Num:	002
Container Num:	2
Year Installed:	1983
Tank Capacity:	00006000
Tank Used for:	WASTE
Type of Fuel:	Not reported
Tank Construction:	1/4" unknown
Leak Detection:	Groundwater Monitoring Well
Tank Num:	003
Container Num:	3
Year Installed:	1983
Tank Capacity:	00006000
Tank Used for:	WASTE
Type of Fuel:	Not reported
Tank Construction:	1/4" inches
Leak Detection:	Groundwater Monitoring Well

SAN JOSE HAZMAT:

Region:	SAN JOSE
File Num:	402285
Class:	Chemical Warehouse

NY MANIFEST:

EPA ID:	CAD059494310
Country:	USA
Mailing Name:	LAIDLAW ENV SVCS (SAFETY KLEEN)
Mailing Contact:	S VEDANTHAM
Mailing Address:	1021 BERRYESSA RD
Mailing Address 2:	Not reported
Mailing City:	SAN JOSE
Mailing State:	CA

CLEAN HARBORS SAN JOSE LLC (Continued) **1000430269**

Mailing Zip:	95133
Mailing Zip4:	1004
Mailing Country:	USA
Mailing Phone:	408-451-5000

Document ID:	NYB5862411
Manifest Status:	Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID:	11341PNY
Trans2 State ID:	Not reported
Generator Ship Date:	940323
Trans1 Recv Date:	940323
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	940404
Part A Recv Date:	Not reported
Part B Recv Date:	940418
Generator EPA ID:	CAD059494310
Trans1 EPA ID:	NYD980769947
Trans2 EPA ID:	Not reported
TSDF ID:	NYD000632372
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Quantity:	00188
Units:	P - Pounds
Number of Containers:	002
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	100
Year:	94
Manifest Tracking Num:	Not reported
Import Ind:	Not reported
Export Ind:	Not reported
Discr Quantity Ind:	Not reported
Discr Type Ind:	Not reported
Discr Residue Ind:	Not reported
Discr Partial Reject Ind:	Not reported
Discr Full Reject Ind:	Not reported
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	Not reported

Document ID:	NYB8463699
Manifest Status:	Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID:	11340PNY
Trans2 State ID:	Not reported
Generator Ship Date:	970303
Trans1 Recv Date:	970303
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	970321
Part A Recv Date:	Not reported
Part B Recv Date:	970402
Generator EPA ID:	CAD059494310
Trans1 EPA ID:	NYD980769947
Trans2 EPA ID:	Not reported
TSDF ID:	NYD000632372
Waste Code:	D002 - NON-LISTED CORROSIVE WASTES

CLEAN HARBORS SAN JOSE LLC (Continued) **1000430269**

Quantity:	00155
Units:	P - Pounds
Number of Containers:	001
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	100
Waste Code:	Not reported
Quantity:	00478
Units:	P - Pounds
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	100
Year:	97
Manifest Tracking Num:	Not reported
Import Ind:	Not reported
Export Ind:	Not reported
Discr Quantity Ind:	Not reported
Discr Type Ind:	Not reported
Discr Residue Ind:	Not reported
Discr Partial Reject Ind:	Not reported
Discr Full Reject Ind:	Not reported
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	Not reported

Document ID:	NYA4067234
Manifest Status:	Completed copy
Trans1 State ID:	706346
Trans2 State ID:	Not reported
Generator Ship Date:	870113
Trans1 Recv Date:	870113
Trans2 Recv Date:	870115
TSD Site Recv Date:	870128
Part A Recv Date:	870204
Part B Recv Date:	870204
Generator EPA ID:	CAD059494310
Trans1 EPA ID:	NYD980769947
Trans2 EPA ID:	Not reported
TSDF ID:	NYD000632372
Waste Code:	D002 - NON-LISTED CORROSIVE WASTES
Quantity:	00005
Units:	P - Pounds
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	100
Waste Code:	Not reported
Quantity:	00010
Units:	P - Pounds
Number of Containers:	002
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	100
Waste Code:	Not reported

CLEAN HARBORS SAN JOSE LLC (Continued) **1000430269**

Quantity:	00006
Units:	P - Pounds
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	100
Waste Code:	Not reported
Quantity:	00002
Units:	P - Pounds
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	100
Waste Code:	Not reported
Quantity:	00005
Units:	P - Pounds
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	100
Waste Code:	D002 - NON-LISTED CORROSIVE WASTES
Quantity:	00002
Units:	P - Pounds
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	100
Year:	87
Manifest Tracking Num:	Not reported
Import Ind:	Not reported
Export Ind:	Not reported
Discr Quantity Ind:	Not reported
Discr Type Ind:	Not reported
Discr Residue Ind:	Not reported
Discr Partial Reject Ind:	Not reported
Discr Full Reject Ind:	Not reported
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	Not reported

Document ID:	NYA4067234
Manifest Status:	Completed copy
Trans1 State ID:	706346
Trans2 State ID:	Not reported
Generator Ship Date:	870113
Trans1 Recv Date:	870113
Trans2 Recv Date:	870115
TSD Site Recv Date:	870128
Part A Recv Date:	870204
Part B Recv Date:	870204
Generator EPA ID:	CAD059494310
Trans1 EPA ID:	NYD980769947
Trans2 EPA ID:	Not reported
TSDF ID:	NYD000632372
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES

CLEAN HARBORS SAN JOSE LLC (Continued) **1000430269**

Quantity:	00010
Units:	P - Pounds
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	100
Waste Code:	Not reported
Quantity:	00002
Units:	P - Pounds
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	100
Waste Code:	Not reported
Quantity:	00002
Units:	P - Pounds
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	100
Waste Code:	Not reported
Quantity:	00005
Units:	P - Pounds
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	100
Waste Code:	Not reported
Quantity:	00002
Units:	P - Pounds
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	100
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Quantity:	00010
Units:	P - Pounds
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	100
Year:	87
Manifest Tracking Num:	Not reported
Import Ind:	Not reported
Export Ind:	Not reported
Discr Quantity Ind:	Not reported
Discr Type Ind:	Not reported
Discr Residue Ind:	Not reported
Discr Partial Reject Ind:	Not reported
Discr Full Reject Ind:	Not reported
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	Not reported

Document ID: NYA4067234

CLEAN HARBORS SAN JOSE LLC (Continued) **1000430269**

Manifest Status:	Completed copy
Trans1 State ID:	706346
Trans2 State ID:	Not reported
Generator Ship Date:	870113
Trans1 Recv Date:	870113
Trans2 Recv Date:	870115
TSD Site Recv Date:	870128
Part A Recv Date:	870204
Part B Recv Date:	870204
Generator EPA ID:	CAD059494310
Trans1 EPA ID:	NYD980769947
Trans2 EPA ID:	Not reported
TSDF ID:	NYD000632372
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Quantity:	00002
Units:	P - Pounds
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	100
Waste Code:	Not reported
Quantity:	00002
Units:	P - Pounds
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	100
Year:	87
Manifest Tracking Num:	Not reported
Import Ind:	Not reported
Export Ind:	Not reported
Discr Quantity Ind:	Not reported
Discr Type Ind:	Not reported
Discr Residue Ind:	Not reported
Discr Partial Reject Ind:	Not reported
Discr Full Reject Ind:	Not reported
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	Not reported

Document ID:	NYB1570824
Manifest Status:	Not reported
Trans1 State ID:	NYD982792814
Trans2 State ID:	Not reported
Generator Ship Date:	10/29/1998
Trans1 Recv Date:	10/29/1998
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	11/09/1998
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	CAD059494310
Trans1 EPA ID:	NYD000632372
Trans2 EPA ID:	Not reported
TSDF ID:	71071NNY
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES

CLEAN HARBORS SAN JOSE LLC (Continued) **1000430269**

Quantity:	00050
Units:	P - Pounds
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	01.00
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Quantity:	00010
Units:	P - Pounds
Number of Containers:	001
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	01.00
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Quantity:	00050
Units:	P - Pounds
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	01.00
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Quantity:	00010
Units:	P - Pounds
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	01.00
Year:	98
Manifest Tracking Num:	Not reported
Import Ind:	Not reported
Export Ind:	Not reported
Discr Quantity Ind:	Not reported
Discr Type Ind:	Not reported
Discr Residue Ind:	Not reported
Discr Partial Reject Ind:	Not reported
Discr Full Reject Ind:	Not reported
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	Not reported

Document ID:	NYB1570833
Manifest Status:	Not reported
Trans1 State ID:	SCD987574647
Trans2 State ID:	Not reported
Generator Ship Date:	10/29/1998
Trans1 Recv Date:	10/29/1998
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	11/09/1998
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	CAD059494310
Trans1 EPA ID:	NYD000632372
Trans2 EPA ID:	Not reported
TSDF ID:	71071NNY
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES

CLEAN HARBORS SAN JOSE LLC (Continued) **1000430269**

Quantity:	00005
Units:	P - Pounds
Number of Containers:	001
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	01.00
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Quantity:	00005
Units:	P - Pounds
Number of Containers:	001
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	01.00
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Quantity:	00020
Units:	P - Pounds
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	01.00
Year:	98
Manifest Tracking Num:	Not reported
Import Ind:	Not reported
Export Ind:	Not reported
Discr Quantity Ind:	Not reported
Discr Type Ind:	Not reported
Discr Residue Ind:	Not reported
Discr Partial Reject Ind:	Not reported
Discr Full Reject Ind:	Not reported
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	Not reported

Document ID:	NYB8462925
Manifest Status:	Not reported
Trans1 State ID:	NYD982792814
Trans2 State ID:	Not reported
Generator Ship Date:	04/23/1998
Trans1 Recv Date:	04/23/1998
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	05/06/1998
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	CAD059494310
Trans1 EPA ID:	NYD000632372
Trans2 EPA ID:	Not reported
TSDF ID:	71071NNY
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Quantity:	00003
Units:	P - Pounds
Number of Containers:	001
Container Type:	CF - Fiber or plastic boxes, cartons
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	01.00
Year:	98

CLEAN HARBORS SAN JOSE LLC (Continued) **1000430269**

Manifest Tracking Num:	Not reported
Import Ind:	Not reported
Export Ind:	Not reported
Discr Quantity Ind:	Not reported
Discr Type Ind:	Not reported
Discr Residue Ind:	Not reported
Discr Partial Reject Ind:	Not reported
Discr Full Reject Ind:	Not reported
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	Not reported

Document ID:	NYG1564677
Manifest Status:	Not reported
Trans1 State ID:	NYD982792814
Trans2 State ID:	Not reported
Generator Ship Date:	03/22/2002
Trans1 Recv Date:	03/22/2002
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	04/01/2002
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	CAD059494310
Trans1 EPA ID:	NYD000632372
Trans2 EPA ID:	Not reported
TSDF ID:	AB62851NY
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Quantity:	00100
Units:	P - Pounds
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	01.00
Year:	02
Manifest Tracking Num:	Not reported
Import Ind:	Not reported
Export Ind:	Not reported
Discr Quantity Ind:	Not reported
Discr Type Ind:	Not reported
Discr Residue Ind:	Not reported
Discr Partial Reject Ind:	Not reported
Discr Full Reject Ind:	Not reported
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	Not reported

WI MANIFEST:

Year:	04
EPA ID:	CAD059494310
FID:	0
ACT Code:	201
ACT Status:	A
ACT Code 1:	201
ACT Name:	HW Generator - Large

CLEAN HARBORS SAN JOSE LLC (Continued) **1000430269**

Contact First Name:	Not reported
Contact Last Name:	Not reported
Contact Title:	Not reported
Contact Address:	Not reported
Contact State:	Not reported
Contact City:	Not reported
Contact Zip:	Not reported
Contact Telephone:	Not reported
Contact Extention:	Not reported
Contact Email Address:	Not reported
WI MANIFEST SHIP:	-
Manifest DOC ID:	002324756FLE
Copy Type:	TSDCOPY
Gen EPA ID:	CAD059494310
Gen Date:	11/25/2008
TSD Date:	01/15/2009
TSD EPA ID:	WIR000000356
GEN Copy Revd Date:	Not reported
TSG Copy Revd Date:	3/11/2009
Manifest DOC ID:	002324756FLE
Waste Page No:	1
Waste Line No:	1
Waste Code:	D009
Waste Amount:	240
Unit of Measure:	P
Waste LBS:	240

WI MANIFEST TRANS:	-
Mifest DOC ID:	Not reported
TRAN EPA ID:	Not reported
TRAN ORDER NO:	Not reported
TRAN Date:	Not reported

Manifest DOC ID:	Not reported
Waste Page No:	Not reported
Waste Line No:	Not reported
Waste Code:	Not reported
Waste Amount:	Not reported
Unit of Measure:	Not reported
Waste LBS:	Not reported

Year:	05
EPA ID:	CAD059494310
FID:	0
ACT Code:	201
ACT Status:	A
ACT Code 1:	201
ACT Name:	HW Generator - Large
Contact First Name:	Not reported
Contact Last Name:	Not reported
Contact Title:	Not reported
Contact Address:	Not reported
Contact State:	Not reported
Contact City:	Not reported
Contact Zip:	0
Contact Telephone:	0

CLEAN HARBORS SAN JOSE LLC (Continued) **1000430269**

Contact Extention:	Not reported
Contact Email Address:	Not reported
WI MANIFEST SHIP:	-
Manifest DOC ID:	002324756FLE
Copy Type:	TSDCOPY
Gen EPA ID:	CAD059494310
Gen Date:	11/25/2008
TSD Date:	01/15/2009
TSD EPA ID:	WIR000000356
GEN Copy Revd Date:	Not reported
TSG Copy Revd Date:	3/11/2009
Manifest DOC ID:	002324756FLE
Waste Page No:	1
Waste Line No:	1
Waste Code:	D009
Waste Amount:	240
Unit of Measure:	P
Waste LBS:	240

WI MANIFEST TRANS:	-
Mifest DOC ID:	Not reported
TRAN EPA ID:	Not reported
TRAN ORDER NO:	Not reported
TRAN Date:	Not reported

Manifest DOC ID:	Not reported
Waste Page No:	Not reported
Waste Line No:	Not reported
Waste Code:	Not reported
Waste Amount:	Not reported
Unit of Measure:	Not reported
Waste LBS:	Not reported

Year:	06
EPA ID:	CAD059494310
FID:	0
ACT Code:	201
ACT Status:	A
ACT Code 1:	201
ACT Name:	HW Generator - Large
Contact First Name:	Not reported
Contact Last Name:	Not reported
Contact Title:	Not reported
Contact Address:	Not reported
Contact State:	Not reported
Contact City:	Not reported
Contact Zip:	Not reported
Contact Telephone:	Not reported
Contact Extention:	Not reported
Contact Email Address:	Not reported
WI MANIFEST SHIP:	-
Manifest DOC ID:	002324756FLE
Copy Type:	TSDCOPY
Gen EPA ID:	CAD059494310
Gen Date:	11/25/2008
TSD Date:	01/15/2009

CLEAN HARBORS SAN JOSE LLC (Continued) **1000430269**

TSD EPA ID:	WIR000000356
GEN Copy Revd Date:	Not reported
TSG Copy Revd Date:	3/11/2009
Manifest DOC ID:	002324756FLE
Waste Page No:	1
Waste Line No:	1
Waste Code:	D009
Waste Amount:	240
Unit of Measure:	P
Waste LBS:	240

WI MANIFEST TRANS:	-
Mifest DOC ID:	Not reported
TRAN EPA ID:	Not reported
TRAN ORDER NO:	Not reported
TRAN Date:	Not reported

Manifest DOC ID:	Not reported
Waste Page No:	Not reported
Waste Line No:	Not reported
Waste Code:	Not reported
Waste Amount:	Not reported
Unit of Measure:	Not reported
Waste LBS:	Not reported

Year:	07
EPA ID:	CAD059494310
FID:	0
ACT Code:	201
ACT Status:	A
ACT Code 1:	201
ACT Name:	HW Generator - Large
Contact First Name:	Not reported
Contact Last Name:	Not reported
Contact Title:	Not reported
Contact Address:	Not reported
Contact State:	Not reported
Contact City:	Not reported
Contact Zip:	0
Contact Telephone:	0
Contact Extention:	Not reported
Contact Email Address:	Not reported
WI MANIFEST SHIP:	-
Manifest DOC ID:	002324756FLE
Copy Type:	TSDCOPY
Gen EPA ID:	CAD059494310
Gen Date:	11/25/2008
TSD Date:	01/15/2009
TSD EPA ID:	WIR000000356
GEN Copy Revd Date:	Not reported
TSG Copy Revd Date:	3/11/2009
Manifest DOC ID:	002324756FLE
Waste Page No:	1
Waste Line No:	1
Waste Code:	D009
Waste Amount:	240

CLEAN HARBORS SAN JOSE LLC (Continued) **1000430269**

Unit of Measure: P
Waste LBS: 240

WI MANIFEST TRANS: -
Mifest DOC ID: Not reported
TRAN EPA ID: Not reported
TRAN ORDER NO: Not reported
TRAN Date: Not reported

Manifest DOC ID: Not reported
Waste Page No: Not reported
Waste Line No: Not reported
Waste Code: Not reported
Waste Amount: Not reported
Unit of Measure: Not reported
Waste LBS: Not reported

Year: 08
EPA ID: CAD059494310
FID: Not reported
ACT Code: 201
ACT Status: A
ACT Code 1: 201
ACT Name: HW Generator - Large
Contact First Name: Not reported
Contact Last Name: Not reported
Contact Title: Not reported
Contact Address: Not reported
Contact State: Not reported
Contact City: Not reported
Contact Zip: Not reported
Contact Telephone: Not reported
Contact Extention: Not reported
Contact Email Address: Not reported
WI MANIFEST SHIP: -
Manifest DOC ID: 002324756FLE
Copy Type: TSDCOPY
Gen EPA ID: CAD059494310
Gen Date: 11/25/2008
TSD Date: 01/15/2009
TSD EPA ID: WIR000000356
GEN Copy Revd Date: Not reported
TSG Copy Revd Date: 3/11/2009
Manifest DOC ID: 002324756FLE
Waste Page No: 1
Waste Line No: 1
Waste Code: D009
Waste Amount: 240
Unit of Measure: P
Waste LBS: 240

WI MANIFEST TRANS: -
Mifest DOC ID: Not reported
TRAN EPA ID: Not reported
TRAN ORDER NO: Not reported
TRAN Date: Not reported

CLEAN HARBORS SAN JOSE LLC (Continued) **1000430269**

Manifest DOC ID:	Not reported
Waste Page No:	Not reported
Waste Line No:	Not reported
Waste Code:	Not reported
Waste Amount:	Not reported
Unit of Measure:	Not reported
Waste LBS:	Not reported

HAZNET:

Gepaid:	CAC002635669
Contact:	STEVE FAHRY
Telephone:	7324248441
Facility Addr2:	Not reported
Mailing Name:	Not reported
Mailing Address:	10750 BOYLE AVE
Mailing City,St,Zip:	FONTANA, CA 92337
Gen County:	Santa Clara
TSD EPA ID:	CAD059494310
TSD County:	Santa Clara
Waste Category:	Other inorganic solid waste
Disposal Method:	H141
Tons:	0.03
Facility County:	Santa Clara

Gepaid:	CAC002635669
Contact:	STEVE FAHRY
Telephone:	7324248441
Facility Addr2:	Not reported
Mailing Name:	Not reported
Mailing Address:	10750 BOYLE AVE
Mailing City,St,Zip:	FONTANA, CA 92337
Gen County:	Santa Clara
TSD EPA ID:	CAD059494310
TSD County:	Santa Clara
Waste Category:	Unspecified aqueous solution
Disposal Method:	H141
Tons:	0.084
Facility County:	Santa Clara

ENVIROSTOR:

Site Type:	Corrective Action
Site Type Detailed:	Corrective Action
Acres:	0
NPL:	NO
Regulatory Agencies:	RWQCB
Lead Agency:	WQC
Program Manager:	Not reported
Supervisor:	* Unknown
Division Branch:	Berkeley
Facility ID:	80001434
Site Code:	200197
Assembly:	24
Senate:	10
Special Program:	Not reported
Status:	Refer: RWQCB

CLEAN HARBORS SAN JOSE LLC (Continued) **1000430269**

Status Date: 2008-01-01 00:00:00
Restricted Use: NO
Site Mgmt. Req.: NONE SPECIFIED
Funding: Not reported
Latitude: 37.36409
Longitude: -121.88558
APN: NONE SPECIFIED
Past Use: NONE SPECIFIED
Potential COC: NONE SPECIFIED
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: CAD059494310
Alias Type: EPA Identification Number
Alias Name: 200197
Alias Type: Project Code (Site Code)
Alias Name: SOLVENT SERVICES INC.
Alias Type: Alternate Name
Alias Name: Solvent Services San Jose
Alias Type: Alternate Name
Alias Name: 43290007
Alias Type: Envirostor ID Number
Alias Name: Safety Kleen San Jose
Alias Type: Alternate Name
Alias Name: 80001434
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: Sites With No Operable Unit
Completed Sub Area Name: ENTIRE FACILITY
Completed Document Type: Preliminary Assessment Report
Completed Date: 1985-08-01 00:00:00

Completed Area Name: Sites With No Operable Unit
Completed Sub Area Name: ENTIRE FACILITY
Completed Document Type: Preliminary Assessment Report
Completed Date: 1984-07-01 00:00:00

Completed Area Name: Sites With No Operable Unit
Completed Sub Area Name: ENTIRE FACILITY
Completed Document Type: Interim Measures Workplan
Completed Date: 1986-07-01 00:00:00

Completed Area Name: Sites With No Operable Unit
Completed Sub Area Name: ENTIRE FACILITY
Completed Document Type: Interim Measures Workplan
Completed Date: 1986-07-01 00:00:00

Completed Area Name: Sites With No Operable Unit
Completed Sub Area Name: ENTIRE FACILITY
Completed Document Type: RFI Workplan
Completed Date: 1989-04-20 00:00:00

Completed Area Name: Sites With No Operable Unit
Completed Sub Area Name: ENTIRE FACILITY
Completed Document Type: Remedy Constructed: Operating Properly & Successfully
Completed Date: 1990-11-30 00:00:00

Completed Area Name: Sites With No Operable Unit

CLEAN HARBORS SAN JOSE LLC (Continued) **1000430269**

Completed Sub Area Name: ENTIRE FACILITY
Completed Document Type: Corrective Measure Implementation Workplan
Completed Date: 1990-08-15 00:00:00

Completed Area Name: Sites With No Operable Unit
Completed Sub Area Name: ENTIRE FACILITY
Completed Document Type: Corrective Measures Study Workplan
Completed Date: 1989-04-20 00:00:00

Completed Area Name: Sites With No Operable Unit
Completed Sub Area Name: ENTIRE FACILITY
Completed Document Type: Interim Measures Implementation Report
Completed Date: 1989-12-31 00:00:00

Completed Area Name: Sites With No Operable Unit
Completed Sub Area Name: ENTIRE FACILITY
Completed Document Type: RFI Report
Completed Date: 1990-08-15 00:00:00

Completed Area Name: Sites With No Operable Unit
Completed Sub Area Name: ENTIRE FACILITY
Completed Document Type: Remedy Selection and Statement of Basis
Completed Date: 1990-08-15 00:00:00

Completed Area Name: Sites With No Operable Unit
Completed Sub Area Name: ENTIRE FACILITY
Completed Document Type: Corrective Measures Study Report
Completed Date: 1990-08-15 00:00:00

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Consent Agreement
Completed Date: 1990-08-15 00:00:00

Completed Area Name: Sites With No Operable Unit
Completed Sub Area Name: ENTIRE FACILITY
Completed Document Type: Consent Agreement
Completed Date: 1989-04-19 00:00:00

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: * Historical Operating Permit Authority
Completed Date: 1989-11-15 00:00:00

Completed Area Name: Sites With No Operable Unit
Completed Sub Area Name: ENTIRE FACILITY
Completed Document Type: Interim Measures Questionnaire
Completed Date: 1994-08-08 00:00:00

Completed Area Name: Sites With No Operable Unit
Completed Sub Area Name: ENTIRE FACILITY
Completed Document Type: RCRA Facility Assessment Report
Completed Date: 1989-05-01 00:00:00

Completed Area Name: Sites With No Operable Unit
Completed Sub Area Name: ENTIRE FACILITY
Completed Document Type: RCRA Facility Assessment Report

CLEAN HARBORS SAN JOSE LLC (Continued) **1000430269**

Completed Date: 1989-05-01 00:00:00

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

HWP:
EPA Id: CAD059494310
Latitude: 37.36409
Longitude: -121.88558
Facility Type: HAZ WASTE - OPERATING PERMIT
Cleanup Status: Not reported
Region: BERKELEY; STANDARDIZED PERMIT & CORRECTIVE ACTION
Permit Maintenance Lead: CHERRY PADILLA
Permit Renewal Lead: Not reported
Corrective Action Lead: Not reported
Supervisor: Not reported
Site Code: 200197
Assembly District: 24
Senate District: 10
Public Information Officer: Not reported

HWP:
EPA Id: CAD059494310
Unit Names: U1 - Unit #1, TANKTRT1 - Unit #9, OTHRTRT1 - Unit #11, TANKSTR1 - Unit #3
Event Description: Notice of Deficiency
Actual Date: 1989-03-01 00:00:00
Doc Comments: Not reported

EPA Id: CAD059494310
Unit Names: U1 - Unit #1, TANKTRT1 - Unit #9, OTHRTRT1 - Unit #11, TANKSTR1 - Unit #3
Event Description: Modification Other Than Groundwater
Actual Date: 1994-03-11 00:00:00
Doc Comments: Not reported

EPA Id: CAD059494310
Unit Names: U1 - Unit #1, TANKTRT1 - Unit #9, OTHRTRT1 - Unit #11, TANKSTR1 - Unit #3
Event Description: Modification Other Than Groundwater
Actual Date: 1995-07-28 00:00:00
Doc Comments: Not reported

EPA Id: CAD059494310
Unit Names: U1 - Unit #1, TANKTRT1 - Unit #9, OTHRTRT1 - Unit #11, TANKSTR1 - Unit #3
Event Description: CLASS 2 MODIFICATION
Actual Date: 1994-03-11 00:00:00
Doc Comments: Not reported

EPA Id: CAD059494310
Unit Names: U1 - Unit #1, TANKTRT1 - Unit #9, OTHRTRT1 - Unit #11, TANKSTR1 - Unit #3
Event Description: Notice of Deficiency
Actual Date: 1987-09-09 00:00:00

CLEAN HARBORS SAN JOSE LLC (Continued) **1000430269**

Doc Comments: Not reported

EPA Id: CAD059494310
Unit Names: U1 - Unit #1, TANKTRT1 - Unit #9, OTHRTRT1 - Unit #11, TANKSTR1 - Unit #3
Event Description: Part B Call-In
Actual Date: 1982-09-19 00:00:00
Doc Comments: Not reported

EPA Id: CAD059494310
Unit Names: U1 - Unit #1, TANKTRT1 - Unit #9, OTHRTRT1 - Unit #11, TANKSTR1 - Unit #3
Event Description: Agency (State or EPA) Determination
Actual Date: 1992-12-11 00:00:00
Doc Comments: Not reported

EPA Id: CAD059494310
Unit Names: U1 - Unit #1, TANKTRT1 - Unit #9, OTHRTRT1 - Unit #11, TANKSTR1 - Unit #3
Event Description: Final Permit Effective
Actual Date: 1983-10-13 00:00:00
Doc Comments: Not reported

EPA Id: CAD059494310
Unit Names: U1 - Unit #1, TANKTRT1 - Unit #9, OTHRTRT1 - Unit #11, TANKSTR1 - Unit #3
Event Description: Determined To Be Complete and Technically Adequate
Actual Date: 1989-07-08 00:00:00
Doc Comments: Not reported

EPA Id: CAD059494310
Unit Names: U1 - Unit #1, TANKTRT1 - Unit #9, OTHRTRT1 - Unit #11, TANKSTR1 - Unit #3
Event Description: Determined To Be Complete and Technically Adequate
Actual Date: 1983-06-16 00:00:00
Doc Comments: Not reported

EPA Id: CAD059494310
Unit Names: U1 - Unit #1, TANKTRT1 - Unit #9, OTHRTRT1 - Unit #11, TANKSTR1 - Unit #3
Event Description: Modification Other Than Groundwater
Actual Date: 1995-01-31 00:00:00
Doc Comments: Not reported

EPA Id: CAD059494310
Unit Names: U1 - Unit #1, TANKTRT1 - Unit #9, OTHRTRT1 - Unit #11, TANKSTR1 - Unit #3
Event Description: CLASS 1 MODIFICATION, PRIOR APPROVAL REQUIRED
Actual Date: 1995-07-28 00:00:00
Doc Comments: Not reported

EPA Id: CAD059494310
Unit Names: U1 - Unit #1, TANKTRT1 - Unit #9, OTHRTRT1 - Unit #11, TANKSTR1 - Unit #3
Event Description: Initial Submittal
Actual Date: 1990-06-08 00:00:00
Doc Comments: Not reported

EPA Id: CAD059494310
Unit Names: U1 - Unit #1, TANKTRT1 - Unit #9, OTHRTRT1 - Unit #11, TANKSTR1 - Unit #3
Event Description: Draft Permit Issued
Actual Date: 1983-06-13 00:00:00
Doc Comments: Not reported

EPA Id: CAD059494310

CLEAN HARBORS SAN JOSE LLC (Continued) **1000430269**

Unit Names: U1 - Unit #1, TANKTRT1 - Unit #9, OTHRTRT1 - Unit #11, TANKSTR1 - Unit #3
Event Description: Class Determination
Actual Date: 1995-01-31 00:00:00
Doc Comments: Not reported

EPA Id: CAD059494310
Unit Names: U1 - Unit #1, TANKTRT1 - Unit #9, OTHRTRT1 - Unit #11, TANKSTR1 - Unit #3
Event Description: Draft Permit Issued
Actual Date: 1989-07-17 00:00:00
Doc Comments: Not reported

EPA Id: CAD059494310
Unit Names: tankstr10 - unit 21, U1 - Unit #1, TANKTRT1 - Unit #9, tankstr7 - Unit # 7, Tanktrt2 - unit # 10, Tanktrt6 - un
Event Description: Determined To Be Complete and Technically Adequate
Actual Date: 2001-12-31 00:00:00
Doc Comments: Not reported

EPA Id: CAD059494310
Unit Names: tankstr10 - unit 21, U1 - Unit #1, TANKTRT1 - Unit #9, tankstr7 - Unit # 7, Tanktrt2 - unit # 10, Tanktrt6 - un
Event Description: Final Determination
Actual Date: 2002-12-31 00:00:00
Doc Comments: Permit was issued but appealed by the facility

EPA Id: CAD059494310
Unit Names: U1 - Unit #1, TANKTRT1 - Unit #9, OTHRTRT1 - Unit #11, TANKSTR1 - Unit #3
Event Description: Notice of Deficiency
Actual Date: 1988-04-29 00:00:00
Doc Comments: Not reported

EPA Id: CAD059494310
Unit Names: U1 - Unit #1, TANKTRT1 - Unit #9, OTHRTRT1 - Unit #11, TANKSTR1 - Unit #3
Event Description: Final Permit Effective
Actual Date: 1989-12-27 00:00:00
Doc Comments: Not reported

EPA Id: CAD059494310
Unit Names: EPTNKTRT
Event Description: Determined to be Complete and Accurate
Actual Date: 2006-11-09 00:00:00
Doc Comments: Permit was verbally approved on 11/9/07.

EPA Id: CAD059494310
Unit Names: EPTNKTRT
Event Description: Public Notice
Actual Date: 2006-11-10 00:00:00
Doc Comments: Public Notice

EPA Id: CAD059494310
Unit Names: EPTNKTRT
Event Description: Emergency Permit Final Determination
Actual Date: 2006-11-09 00:00:00
Doc Comments: Emergency Permit Final Determination

Facility Status: The Clean Harbors San Jose facility is a permitted offsite hazardous waste storage and treatment facility. The hazardous waste management operations have been at this location since 1974, previously under the names of Solvent Services Inc. and Safety Kleen Corp. Clean Harbors accepts aqueous acids and

CLEAN HARBORS SAN JOSE LLC (Continued) **1000430269**

bases, laboratory packs, aqueous organic solutions, and solid wastes with organics. The facility accepts over 5 million gallons of waste per year, mostly industrial wastes with the exception of explosive, radioactive, or gas cylinders. It is authorized to store in containers and tanks. Treatment includes phase separation (organic solvents, water, and oil), neutralization, aqueous metal precipitation, fuel blending (organic solvents with fuel value), solvent distillation, and consolidation of these waste streams. The San Francisco Regional Water Quality Control Board is the lead agency for Corrective Action in accordance with SB1082. Soil and groundwater remediation for volatile organic compounds has been in operation for over a decade. Groundwater is pumped from both beneath the site and offsite and is then treated on-site before being discharged to the sanitary sewer.

Facility Status: Not reported

D29
SW
1/2-1
0.792 mi.
4182 ft.

SOLVENT SERVICES
1021 BERRYESSA ROAD
SAN JOSE, CA

Site 2 of 2 in cluster D

CA BOND EXP. PLAN **S100833419**
SLIC **N/A**
EMI
ENVIROSTOR

Relative:
Lower

Actual:
79 ft.

CA BOND EXP. PLAN:

Reponsible Party:	NPL SITE CLEANUP WORKPLAN
Project Revenue Source Company:	Not reported
Project Revenue Source Addr:	Not reported
Project Revenue Source City,St,Zip:	Not reported
Project Revenue Source Desc:	DHS will be issuing a RAO or entering into an enforceable agreement with the RPs. DHS has budgeted $50,000 for oversight/monitoring of cleanup activities. DHS will recover 100 percent of its direct costs plus staff costs and overhead related to the project. The RPs will pay all costs associated with remedial investigations and cleanup activities.
Site Description:	A solvent recycler has operated at this site since about 1972. Extensive contamination of soil, shallow ground water and potential deep aquifer contamination exist due to releases of spend solvents and other chemicals. This site was formerly known as Berryessa Road, San Jose.
Hazardous Waste Desc:	Volatile organic compounds are the primary contaminants of concern. A "petroleum channel" has been discovered on one corner of the property where offsite contamination has been discovered.
Threat To Public Health & Env:	Ground water contamination and its potential effect on drinking water supplies is the primary threat to public health. Approximately 22 wells are registered with Santa Clara Valley Water District within a one-half mile radius of the site. Three domestic wells are perforated in zones likely to be affected by onsite contamination. However, that aquifer has recently been demonstrated to be uncontaminated.
Site Activity Status:	Remedial investigations and interim measures have been occurring at the site since 1983. The RP has prepared a "screening" FS and implemented a steam injection/vapor extraction pilot study for soil heavily contaminated with solvents. Low temperaturethermal stripping pilot test apparatus and a ground water treatment system using air stripping, carbon filtration and biotreatment are being constructed. The plume of ground water contamination has been essentially contained and the extent of soil contamination delineated. After evaluation of pilot tests, a FS will be prepared and a RAP developed and implemented.

SLIC:

Region:	STATE
Facility Status:	**Open - Remediation**
Status Date:	1985-01-01 00:00:00

SOLVENT SERVICES (Continued) **S100833419**

Global Id:	SL721181220
Lead Agency:	SAN FRANCISCO BAY RWQCB (REGION 2)
Lead Agency Case Number:	Not reported
Latitude:	37.3655015503024
Longitude:	-121.884319782257
Case Type:	Cleanup Program Site
Case Worker:	Not reported
Local Agency:	Not reported
RB Case Number:	43S0118
File Location:	Regional Board
Potential Media Affected:	Other Groundwater (uses other than drinking water), Soil
Potential Contaminants of Concern:	Other Chlorinated Hydrocarbons, Other Solvent or Non-Petroleum Hydrocarbon, Acetone, * * CHLOROMETHANE, * * CIS-1,2-DICHLOROETHYLENE, Dioxin / Furans, Trichloroethylene (TCE), Vinyl chloride, Xylene
General Comments:	Clean Harbors currently owns and operates the waste-chemical storage, treatment, and recycling facility at the Site. The facility has been in operation since 1975 under several different owners including Solvent Services Company (now dissolved) and Safety-Kleen Corporation (currently in bankruptcy). Clean Harbors purchased the Site in 2002. Plume/Contaminant Description: Extremely high concentrations of VOCs (1,500,000 ppm) and 23,000 ppb of 1,4-dioxane in the groundwater, Soil Description: Extremely high concentrations of VOCs and 1,4-dioxane in the soil underneath the facility. The extent of soil and groundwater pollution has been fully defined. Cleanup actions taken at the Site include 1) removal of all underground storage tanks and associated soil, 2) operation of a steam injection and vapor extraction system, and 3) operation of a groundwater extraction system using wells and trenches.

SLIC:

Region:	2
Facility ID:	43s0118
Facility Status:	Remedial action (cleanup) Underway
Date Closed:	Not reported
Local Case #:	Not reported
How Discovered:	Not reported
Leak Cause:	Not reported
Leak Source:	Not reported
Date Confirmed:	Not reported
Date Prelim Site Assmnt Workplan Submitted:	Not reported
Date Preliminary Site Assessment Began:	Not reported
Date Pollution Characterization Began:	Not reported
Date Remediation Plan Submitted:	Not reported
Date Remedial Action Underway:	Not reported
Date Post Remedial Action Monitoring Began:	Not reported

EMI:

Year:	1987
County Code:	43
Air Basin:	SF
Facility ID:	2074
Air District Name:	BA
SIC Code:	7399
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported

SOLVENT SERVICES (Continued) **S100833419**

Total Organic Hydrocarbon Gases Tons/Yr:	7
Reactive Organic Gases Tons/Yr:	7
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:	1990
County Code:	43
Air Basin:	SF
Facility ID:	2074
Air District Name:	BA
SIC Code:	7389
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	8
Reactive Organic Gases Tons/Yr:	8
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:	1995
County Code:	43
Air Basin:	SF
Facility ID:	2074
Air District Name:	BA
SIC Code:	7389
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	5
Reactive Organic Gases Tons/Yr:	2
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	1
Part. Matter 10 Micrometers & Smllr Tons/Yr:	1

Year:	1996
County Code:	43
Air Basin:	SF
Facility ID:	2074
Air District Name:	BA
SIC Code:	7389
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	5
Reactive Organic Gases Tons/Yr:	2
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	1

SOLVENT SERVICES (Continued) **S100833419**

Part. Matter 10 Micrometers & Smllr Tons/Yr:	1

Year:	1997
County Code:	43
Air Basin:	SF
Facility ID:	2074
Air District Name:	BA
SIC Code:	7389
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	4
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:	1
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

Year:	1998
County Code:	43
Air Basin:	SF
Facility ID:	11925
Air District Name:	BA
SIC Code:	7389
Air District Name:	BAY AREA AQMD
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:	1
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

Year:	1999
County Code:	43
Air Basin:	SF
Facility ID:	11925
Air District Name:	BA
SIC Code:	7399
Air District Name:	BAY AREA AQMD
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:	2000
County Code:	43
Air Basin:	SF
Facility ID:	11925

SOLVENT SERVICES (Continued) **S100833419**

Air District Name:	BA
SIC Code:	7399
Air District Name:	BAY AREA AQMD
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:	2001
County Code:	43
Air Basin:	SF
Facility ID:	11925
Air District Name:	BA
SIC Code:	7389
Air District Name:	BAY AREA AQMD
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:	2002
County Code:	43
Air Basin:	SF
Facility ID:	14638
Air District Name:	BA
SIC Code:	8748
Air District Name:	BAY AREA AQMD
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:	2003
County Code:	43
Air Basin:	SF
Facility ID:	14638
Air District Name:	BA
SIC Code:	8748
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0

SOLVENT SERVICES (Continued) **S100833419**

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:	2004
County Code:	43
Air Basin:	SF
Facility ID:	14638
Air District Name:	BA
SIC Code:	8748
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0.476
Reactive Organic Gases Tons/Yr:	0.401191
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0.112
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0.109036

Year:	2005
County Code:	43
Air Basin:	SF
Facility ID:	14638
Air District Name:	BA
SIC Code:	8748
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	.341
Reactive Organic Gases Tons/Yr:	.2850358
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	.067
Part. Matter 10 Micrometers & Smllr Tons/Yr:	.063644

Year:	2006
County Code:	43
Air Basin:	SF
Facility ID:	14638
Air District Name:	BA
SIC Code:	8748
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	.32
Reactive Organic Gases Tons/Yr:	.2672446
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	.121
Part. Matter 10 Micrometers & Smllr Tons/Yr:	.116348

SOLVENT SERVICES (Continued) **S100833419**

Year:	2007
County Code:	43
Air Basin:	SF
Facility ID:	14638
Air District Name:	BA
SIC Code:	8748
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	2.065
Reactive Organic Gases Tons/Yr:	1.7466488
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	.148
Part. Matter 10 Micrometers & Smllr Tons/Yr:	.140648

Year:	2007
County Code:	40
Air Basin:	SCC
Facility ID:	2074
Air District Name:	SLO
SIC Code:	3441
Air District Name:	SAN LUIS OBISPO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	.3545
Reactive Organic Gases Tons/Yr:	.343156
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

ENVIROSTOR:

Site Type:	Evaluation
Site Type Detailed:	Evaluation
Acres:	3.3
NPL:	NO
Regulatory Agencies:	HWMP, RWQCB 2 - San Francisco Bay
Lead Agency:	RWQCB 2 - San Francisco Bay
Program Manager:	CLAUDE JEMISON
Supervisor:	Karen Toth
Division Branch:	Berkeley
Facility ID:	43290007
Site Code:	Not reported
Assembly:	24
Senate:	10
Special Program:	Not reported
Status:	Refer: RWQCB
Status Date:	1991-08-09 00:00:00
Restricted Use:	NO
Site Mgmt. Req.:	NONE SPECIFIED
Funding:	Responsible Party
Latitude:	37.3650925798301
Longitude:	-121.884616033365
APN:	241-06-019

SOLVENT SERVICES (Continued) **S100833419**

Past Use: HAZARDOUS WASTE HAULER
Potential COC: 10009, 10097, 30028, 30032, 30192, 30195, 30246, 30386, 30541
Confirmed COC: 30541,30028,30032,30192,30195,30246,30386
Potential Description: OTH
Alias Name: CAD059494310
Alias Type: EPA Identification Number
Alias Name: LAIDLAW ENVIRONMENTAL SERVICES
Alias Type: Alternate Name
Alias Name: 43290007
Alias Type: Envirostor ID Number
Alias Name: CLEAN HARBORS SAN JOSE LLC
Alias Type: Alternate Name
Alias Name: 241-06-019
Alias Type: APN
Alias Name: 110000484743
Alias Type: EPA (FRS #)

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Screening
Completed Date: 2002-01-18 00:00:00

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

30
ESE
1/2-1
0.874 mi.
4614 ft.

Relative:
Higher

Actual:
101 ft.

SAN JOSE CRANE & RIGGING
660 GIGUERE CT
SAN JOSE, CA 95138

HIST CORTESE **S101482292**
LUST **N/A**
HIST LUST
SAN JOSE HAZMAT
SWEEPS UST
HAZNET
EMI
ENVIROSTOR

CORTESE:
Region: CORTESE
Facility County Code: 43
Reg By: CALSI
Reg Id: 43170005

Region: CORTESE
Facility County Code: 43
Reg By: LTNKA
Reg Id: 43-1180

LUST:
Region: STATE
Global Id: T0608501168
Latitude: 37.366986
Longitude: -121.85945

SAN JOSE CRANE & RIGGING (Continued) **S101482292**

Case Type: LUST Cleanup Site
Status: Open - Site Assessment
Status Date: 1992-05-18 00:00:00
Lead Agency: SANTA CLARA COUNTY LOP
Case Worker: Not reported
Local Agency: SANTA CLARA COUNTY LOP
RB Case Number: 06-010
LOC Case Number: 06S1E33H01f
File Location: Stored electronically as an E-file
Potential Media Affect: ndwater (uses other than drinking water)
Potential Contaminants of Concern: Diesel
Site History: Not reported

LUST REG 2:
Region: 2
Facility Id: Not reported
Facility Status: Pollution Characterization
Case Number: 06S1E33H01f
How Discovered: Not reported
Leak Cause: Not reported
Leak Source: Not reported
Date Leak Confirmed: Not reported
Oversight Program: LUST
Prelim. Site Assesment Wokplan Submitted: Not reported
Preliminary Site Assesment Began: 2/21/1990
Pollution Characterization Began: 5/18/1992
Pollution Remediation Plan Submitted: Not reported
Date Remediation Action Underway: Not reported
Date Post Remedial Action Monitoring Began: Not reported

LUST SANTA CLARA:
Region: SANTA CLARA
SCVWD ID: 06S1E33H01f
Closed Date: Not reported

HIST LUST SANTA CLARA:
Region: SANTA CLARA
Region Code: 2
SCVWD ID: 06S1E33H01
Oversite Agency: SCVWD
Date Listed: 1985-01-01 00:00:00
Closed Date: Not reported

SAN JOSE HAZMAT:
Region: SAN JOSE
File Num: 402066
Class: Auto Wrecking/Misc Simple Facility

SWEEPS UST:
Status: Not reported
Comp Number: 402066
Number: Not reported
Board Of Equalization: Not reported
Ref Date: Not reported
Act Date: Not reported

SAN JOSE CRANE & RIGGING (Continued) **S101482292**

Created Date:	Not reported
Tank Status:	Not reported
Owner Tank Id:	Not reported
Swrcb Tank Id:	43-060-402066-000001
Actv Date:	Not reported
Capacity:	10000
Tank Use:	M.V. FUEL
Stg:	PRODUCT
Content:	DIESEL
Number Of Tanks:	3

Status:	Not reported
Comp Number:	402066
Number:	Not reported
Board Of Equalization:	Not reported
Ref Date:	Not reported
Act Date:	Not reported
Created Date:	Not reported
Tank Status:	Not reported
Owner Tank Id:	Not reported
Swrcb Tank Id:	43-060-402066-000002
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:	402066
Number:	Not reported
Board Of Equalization:	Not reported
Ref Date:	Not reported
Act Date:	Not reported
Created Date:	Not reported
Tank Status:	Not reported
Owner Tank Id:	Not reported
Swrcb Tank Id:	43-060-402066-000003
Actv Date:	Not reported
Capacity:	7000
Tank Use:	M.V. FUEL
Stg:	PRODUCT
Content:	DIESEL
Number Of Tanks:	Not reported

HAZNET:

Gepaid:	CAL000235861
Contact:	TROED JOHNSON- SHOP MGR
Telephone:	4089294422
Facility Addr2:	Not reported
Mailing Name:	Not reported
Mailing Address:	660 GIGUERE CT
Mailing City,St,Zip:	SAN JOSE, CA 951130000
Gen County:	Santa Clara
TSD EPA ID:	CA0000084517
TSD County:	Sacramento
Waste Category:	Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)

SAN JOSE CRANE & RIGGING (Continued) **S101482292**

Disposal Method: H141
Tons: 0.072
Facility County: Santa Clara

Gepaid: CAL000235861
Contact: TROED JOHNSON- SHOP MGR
Telephone: 4089294422
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: 660 GIGUERE CT
Mailing City,St,Zip: SAN JOSE, CA 951130000
Gen County: Santa Clara
TSD EPA ID: CA0000084517
TSD County: Sacramento
Waste Category: Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)
Disposal Method: Transfer Station
Tons: 0.01
Facility County: Santa Clara

Gepaid: CAL000235861
Contact: TROED JOHNSON- SHOP MGR
Telephone: 4089294422
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: 660 GIGUERE CT
Mailing City,St,Zip: SAN JOSE, CA 951130000
Gen County: Santa Clara
TSD EPA ID: CA0000084517
TSD County: Santa Clara
Waste Category: Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)
Disposal Method: Transfer Station
Tons: 0.03
Facility County: Santa Clara

Gepaid: CAL000235861
Contact: TROED JOHNSON- SHOP MGR
Telephone: 4089294422
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: 660 GIGUERE CT
Mailing City,St,Zip: SAN JOSE, CA 951130000
Gen County: Santa Clara
TSD EPA ID: CA0000084517
TSD County: Sacramento
Waste Category: Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)
Disposal Method: H141
Tons: 0.09
Facility County: Santa Clara

Gepaid: CAL000235861
Contact: TROED JOHNSON- SHOP MGR
Telephone: 4089294422
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: 660 GIGUERE CT
Mailing City,St,Zip: SAN JOSE, CA 951130000
Gen County: Santa Clara

SAN JOSE CRANE & RIGGING (Continued) **S101482292**

TSD EPA ID:	CAD093459485
TSD County:	Fresno
Waste Category:	Unspecified oil-containing waste
Disposal Method:	H020
Tons:	0.11
Facility County:	Santa Clara

Click this hyperlink while viewing on your computer to access
7 additional CA_HAZNET: record(s) in the EDR Site Report.

EMI:

Year:	2002
County Code:	43
Air Basin:	SF
Facility ID:	13429
Air District Name:	BA
SIC Code:	3679
Air District Name:	BAY AREA AQMD
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:	2003
County Code:	43
Air Basin:	SF
Facility ID:	13429
Air District Name:	BA
SIC Code:	3679
Air District Name:	BAY AREA AQMD
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:	2004
County Code:	43
Air Basin:	SF
Facility ID:	13429
Air District Name:	BA
SIC Code:	3679
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0.066
Reactive Organic Gases Tons/Yr:	0.0652014
Carbon Monoxide Emissions Tons/Yr:	0

SAN JOSE CRANE & RIGGING (Continued) **S101482292**

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:	43
Air Basin:	SF
Facility ID:	13429
Air District Name:	BA
SIC Code:	3679
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	.066
Reactive Organic Gases Tons/Yr:	.0652014
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:	2006
County Code:	43
Air Basin:	SF
Facility ID:	13429
Air District Name:	BA
SIC Code:	3679
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	.114
Reactive Organic Gases Tons/Yr:	.1126206
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

ENVIROSTOR:

Site Type:	Evaluation
Site Type Detailed:	Evaluation
Acres:	appr. 1
NPL:	NO
Regulatory Agencies:	NONE SPECIFIED
Lead Agency:	NONE SPECIFIED
Program Manager:	CLAUDE JEMISON
Supervisor:	Karen Toth
Division Branch:	Berkeley
Facility ID:	43170005
Site Code:	Not reported
Assembly:	24
Senate:	13
Special Program:	Not reported
Status:	Refer: Other Agency
Status Date:	2002-03-15 00:00:00
Restricted Use:	NO

SAN JOSE CRANE & RIGGING (Continued) **S101482292**

Site Mgmt. Req.:	NONE SPECIFIED
Funding:	Not reported
Latitude:	37.3675573857774
Longitude:	-121.86017186044
APN:	254-54-021
Past Use:	NONE SPECIFIED
Potential COC:	10009
Confirmed COC:	NONE SPECIFIED
Potential Description:	NONE SPECIFIED
Alias Name:	43170005
Alias Type:	Envirostor ID Number
Alias Name:	254-54-021
Alias Type:	APN

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Site Screening
Completed Date:	1990-03-20 00:00:00
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Site Screening
Completed Date:	2002-03-15 00:00:00
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

City	EDR ID	Site Name	Site Address	Zip	Database(s)
ALVISO	S109285936	ALVISO	HWY 237 N	95112	LUST
ALVISO	S103723176	ALMADEN AIR FORCE STATION	UNKNOWN MT UMUNHUM	95112	HIST CORTESE
CHICO	1010314144	CALIFORNIA WATER SERVICE CO CH STA	E 3RD ST AT SW CORNER OF E 1ST	95112	RCRA-SQG, HAZNET
CHICO	1010442369	CALIFORNIA WATER SERVICE CO CH STA	E 3RD ST AT SW CORNER OF E 1ST	95112	FINDS
SAN JOSE	1003879900	BUTTERICK DEMOLITION	11TH	95112	CERC-NFRAP
SAN JOSE	S102414933	CALIFORNIA WATER SERVICE C	1720TH N 1ST SAINT SUITE A & B	95112	SAN JOSE HAZMAT
SAN JOSE	S109285915	FORMER TEXACO STATION	598 S 1ST ST	95112	LUST
SAN JOSE	S109285929	UNOCAL STATION #5954	1002 N 1ST ST	95112	LUST
SAN JOSE	1008101879	HAWKINS WATER CO-CAL WATER SERVICE	1720 N 1ST ST	95112	FINDS
SAN JOSE	S102415005	GEORGE'S SERVICE CENTER	599TH N 4TH SAINT SUITE A & B	95112	SAN JOSE HAZMAT
SAN JOSE	S104541919	UNITED PARCEL SERVICE	1999 S 7TH ST	95112	LUST, HIST LUST
SAN JOSE	1011908211	NPD-DON PEDRO CHABOYA STATION	2240 S 7TH ST	95112	FINDS
SAN JOSE	S108059775	VALLEY RECYCLING	1615 S 7TH ST	95112	SWF/LF
SAN JOSE	S107737073	PROPOSED COMMUNICATION HILL K-8 SC	HWY 87	95112	SCH, ENVIROSTOR
SAN JOSE	S103176688	PACIFIC PRIDE STATION #75	2075 ALUM ROCK AVE	95116	SAN JOSE HAZMAT
SAN JOSE	S109424454	CASTLE COPY SERVICE INC	910 BERN CT	95112	HAZNET
SAN JOSE	S109720189	CLEAN HARBORS SAN JOSE LLC	1021 BERRYESSA ROAD	95133	MANIFEST
SAN JOSE	S106926255	FLEA MARKET, THE	12000 BERRYESSA RD	95133	SWEEPS UST
SAN JOSE	S106927974	JONES ROOFING	929 BERRYESSA RD	95133	SWEEPS UST
SAN JOSE	S102415347	FORTY-FIVE FOREVER	11561 BERRYESSA RD	95133	SAN JOSE HAZMAT
SAN JOSE	S102622205	FLEA MARKET, THE	1590 BERRYESSA RD	95133	SAN JOSE HAZMAT
SAN JOSE	S103443800	LSA CLEANPART LLC	1610 BERRYESSA RD	95133	SAN JOSE HAZMAT
SAN JOSE	S106916645	NEW CINGULAR 25443	13058 BERRYESSA RD	95133	SAN JOSE HAZMAT
SAN JOSE	S108054107	BERREYESSA CHEVRON AUTOTEC	1715 BERRYESSA RD	95133	SAN JOSE HAZMAT
SAN JOSE	S104857395	RAISED FLOOR INSTALLATION	969 BERRYESSA RD	95133	SAN JOSE HAZMAT
SAN JOSE	S109349146	SPRINT FS04XC182	986 BERRYESSA RD	95133	SAN JOSE HAZMAT
SAN JOSE	S104857394	KC SHEETMETAL	943 BERRYESSA RD	95133	SAN JOSE HAZMAT
SAN JOSE	S109548882	EXECUTIVE CASEWORK	945 BERRYESSA RD	95133	SAN JOSE HAZMAT
SAN JOSE	S109440858	CREEKSIDE STATION	N CAPITOL AVE	95133	NPDES
SAN JOSE	S108974344	SAN JOSE TRANSIT VILLAGE	NE CORNER OF NORTH KING RD	95133	VCP, ENVIROSTOR
SAN JOSE	S109821497	MARSHLAND SOLID WASTE FACILITY	NW HWY 237 / GOLD STREET ALVIS		SWF/LF
SAN JOSE	S103679087	ADVANTAGE TIRE SERVICE	JUNCTION AVE		HAZNET
SAN JOSE	S106928299	L & D SERVICE STATION	690 S KING RD	95116	SWEEPS UST
SAN JOSE	S102415866	L & D SERVICE STATION	960 S KING RD	95116	SAN JOSE HAZMAT
SAN JOSE	U003940303	L & D SERVICE STATION	395 S KING RD	95116	UST
SAN JOSE	S102415858	ASPEN TEN	663 S KING RD	95116	SAN JOSE HAZMAT
SAN JOSE	S102415860	MATOS AUTO TOWING/TRANSPOR	670 N KING RD	95133	SAN JOSE HAZMAT
SAN JOSE	S103946035	CUSTOM DESIGN CABINETS	663 S KING RD	95116	SAN JOSE HAZMAT
SAN JOSE	S109349098	SPRINT SF60XC832	589 N KING RD	95116	SAN JOSE HAZMAT
SAN JOSE	S106916687	UNIVERSAL SWEEPING SERVICE	681 LENFEST RD	95133	SAN JOSE HAZMAT
SAN JOSE	S107030436	SPRINT PCS SF33XC574	1955 LUNDY AVE	95131	SAN JOSE HAZMAT
SAN JOSE	S106916694	NEW CINGULAR WIRELESS	984 LUNDY AVE	95131	SAN JOSE HAZMAT
SAN JOSE	S107592215	T-MOBILE	2243 LUNDY AVE	95131	SAN JOSE HAZMAT

City	EDR ID	Site Name	Site Address	Zip	Database(s)
SAN JOSE	S105109300	FLEXTRONICS INTERNATIONAL	2245 LUNDY AVE	95131	SAN JOSE HAZMAT
SAN JOSE	S108195509	CINGULAR WIRELESS	2243 LUNDY AVE	95131	SAN JOSE HAZMAT
SAN JOSE	S108432586	NATIONAL WEATHER SERVICE	MCQUEEN RIDGE SUMMIT OF MOUNT		EMI
SAN JOSE	1011977938	NATIONAL WEATHER SERVICE	MCQUEEN RIDGE SUMMIT OF MOUNT		FINDS
SAN JOSE	S105109316	ADVANCE AUTO TECH, INC	1611 MONTEREY HWY	95112	SAN JOSE HAZMAT
SAN JOSE	S102416136	GULL INDUSTRIES	2127 MONTEREY HWY	95112	SAN JOSE HAZMAT
SAN JOSE	S103443882	FREEMAN FINISHING	1775 MONTEREY HWY	95112	SAN JOSE HAZMAT
SAN JOSE	S103443880	HOGE BROS INC	1775 MONTEREY HWY	95112	SAN JOSE HAZMAT
SAN JOSE	S103616657	NAVARRA TRUCK PARTS/ AB AU	1837 MONTEREY HWY	95112	SAN JOSE HAZMAT
SAN JOSE	S102416135	S & M COMMERCIAL BODY	2123 MONTEREY HWY	95112	SAN JOSE HAZMAT
SAN JOSE	S105990235	CALIFORNIA BARBEQUES MFG I	1775 MONTEREY HWY	95112	SAN JOSE HAZMAT
SAN JOSE	S102416128	F & F STEEL & STAIRWAY INC	1775 MONTEREY HWY	95112	SAN JOSE HAZMAT
SAN JOSE	S106779440	NEW CINGULAR WIRELESS14132	9770 MONTEREY HWY	95131	SAN JOSE HAZMAT
SAN JOSE	S103946077	LMC METALS	1800 MONTEREY HWY	95112	SAN JOSE HAZMAT, SWEEPS UST
SAN JOSE	S105512891	P&G INVESTMENT COMPANY	1775 MONTEREY BLDG # 64 HWY	95112	LUST, HIST LUST
SAN JOSE	S106923756	CAL AIR INC	1775 MONTEREY HWY	95112	SWEEPS UST
SAN JOSE	S105026269	MURPHY/LUNDY DEVELOPMENT	MURPHY & LUNDY AVES NW	95131	HIST CORTESE
SAN JOSE	S100351788	MURPHY/LUNDY DEVELOPMENT	MURPHY & NW LUNDY AVES	95131	ENVIROSTOR
SAN JOSE	1003878439	STAUFFER CHEM CO RAISCH QUARRY	S OF 1ST ST	95112	CERC-NFRAP
SAN JOSE	S105419830	FLEET AUTOMATIVE SERVICE	1136 OLD BAYSHORE HWY	95112	SAN JOSE HAZMAT
SAN JOSE	S109167840	PERFORMANCE RADIATOR PACIF	1584 OLD BAYSHORE HWY	95112	SAN JOSE HAZMAT
SAN JOSE	S102622321	COCA COLA BOTTLING CO	1555 OLD BAYSHORE HWY	95112	SAN JOSE HAZMAT
SAN JOSE	S104857460	UNITED RENT HIGHWAY TECH	1277 OLD BAYSHORE HWY	95112	SAN JOSE HAZMAT
SAN JOSE	S102622320	S J CONCRETE PIPE CO	1420 OLD BAYSHORE HWY	95112	SAN JOSE HAZMAT
SAN JOSE	S106916718	ABC FIRE PROTECTION INC	1780 OLD BAYSHORE HWY	95112	SAN JOSE HAZMAT
SAN JOSE	S106924778	COCA COLA BOTTLING COMPANY	1555 OLD BAYSHORE HWY 4		SWEEPS UST
SAN JOSE	S106930068	OAKMEAD PUMP STATION	RENAISSANCE DR		SWEEPS UST
SAN JOSE	S106924812	COLUMBIA ANALYTICAL SERVICE	1921 RINGWOOD AVE	95131	SWEEPS UST
SAN JOSE	S106925993	EXXON STATION #70108	1188 SARATOGA SUNNYVA E RD		SWEEPS UST
SAN JOSE	S106827858	CALIFORNIA WATER SERVICE	STREET		EMI
SAN JOSE	1010001843	CALIFORNIA POOL SERVICE	STREET		FTTS
SAN JOSE	S103662082	ALMADEN RV SERVICE AND REPAIRS	498 THELAN AVE	95112	HAZNET
SAN JOSE	1003879313	SILVERADO CONDOMINIUMS	TOWNSEND AVE	95131	CERC-NFRAP
SAN JOSE	S105990313	FRANKLIN-MC KINLEY SERVICE	645 WOOL CREEK DR	95112	SAN JOSE HAZMAT
SANTA CLARA COUNTY	S107996976	SUNNYVALE, CITY OF	FAIROAKS / 237 HWY		LUST
SANTA CLARA COUNTY	S109821637	REBELLO'S TOWING SERVICE	696 KINGS ROW	95112	SAN JOSE HAZMAT
SANTA CLARA COUNTY	S107995253	AIR & AUTO SALVAGE SERVICE	LLAGAS AVE		LUST
SANTA CLARA COUNTY	S107996438	ONIZUKA AIR FORCE STATION	1080 LOCKHEED WY		LUST
SANTA CLARA COUNTY	S107996451	P&G INVESTMENT COMPANY	1775 MONTEREY BLDG. #64 HWY		LUST
SANTA CLARA COUNTY	S107996575	RANCHO SERVICE CENTER	601 RANCHO SHOPPING CENTER		LUST
SANTA CLARA COUNTY	S107995272	ALMADEN AIR FORCE STATION	MT UMUNHUM		LUST

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: 10/01/2009
Date Data Arrived at EDR: 10/14/2009
Date Made Active in Reports: 11/09/2009
Number of Days to Update: 26

Source: EPA
Telephone: N/A
Last EDR Contact: 11/13/2009
Next Scheduled EDR Contact: 01/25/2010
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: 10/01/2009
Date Data Arrived at EDR: 10/14/2009
Date Made Active in Reports: 11/09/2009
Number of Days to Update: 26

Source: EPA
Telephone: N/A
Last EDR Contact: 11/13/2009
Next Scheduled EDR Contact: 01/25/2010
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: 08/17/2009
Next Scheduled EDR Contact: 11/16/2009
Data Release Frequency: No Update Planned

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: 10/01/2009	Source: EPA
Date Data Arrived at EDR: 10/14/2009	Telephone: N/A
Date Made Active in Reports: 11/09/2009	Last EDR Contact: 11/13/2009
Number of Days to Update: 26	Next Scheduled EDR Contact: 01/25/2010
	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: 06/30/2009	Source: EPA
Date Data Arrived at EDR: 08/11/2009	Telephone: 703-412-9810
Date Made Active in Reports: 09/21/2009	Last EDR Contact: 11/23/2009
Number of Days to Update: 41	Next Scheduled EDR Contact: 01/11/2010
	Data Release Frequency: Quarterly

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: 06/23/2009	Source: EPA
Date Data Arrived at EDR: 09/02/2009	Telephone: 703-412-9810
Date Made Active in Reports: 09/21/2009	Last EDR Contact: 11/24/2009
Number of Days to Update: 19	Next Scheduled EDR Contact: 03/15/2010
	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: 09/15/2009	Source: EPA
Date Data Arrived at EDR: 09/22/2009	Telephone: 800-424-9346
Date Made Active in Reports: 11/09/2009	Last EDR Contact: 11/16/2009
Number of Days to Update: 48	Next Scheduled EDR Contact: 03/01/2010
	Data Release Frequency: Quarterly

Federal RCRA non-CORRACTS TSD facilities list

RCRA-TSDF: RCRA - Transporters, 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: 11/12/2008
Date Data Arrived at EDR: 11/18/2008
Date Made Active in Reports: 03/16/2009
Number of Days to Update: 118

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 11/18/2009
Next Scheduled EDR Contact: 01/18/2010
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: 11/12/2008
Date Data Arrived at EDR: 11/18/2008
Date Made Active in Reports: 03/16/2009
Number of Days to Update: 118

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 11/18/2009
Next Scheduled EDR Contact: 01/18/2010
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: 11/12/2008
Date Data Arrived at EDR: 11/18/2008
Date Made Active in Reports: 03/16/2009
Number of Days to Update: 118

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 11/18/2009
Next Scheduled EDR Contact: 01/18/2010
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: 11/12/2008
Date Data Arrived at EDR: 11/18/2008
Date Made Active in Reports: 03/16/2009
Number of Days to Update: 118

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 11/18/2009
Next Scheduled EDR Contact: 01/18/2010
Data Release Frequency: Varies

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: 10/01/2009
Date Data Arrived at EDR: 10/09/2009
Date Made Active in Reports: 11/09/2009
Number of Days to Update: 31

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 12/10/2009
Next Scheduled EDR Contact: 03/29/2010
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: 10/01/2009
Date Data Arrived at EDR: 10/09/2009
Date Made Active in Reports: 11/09/2009
Number of Days to Update: 31

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 12/10/2009
Next Scheduled EDR Contact: 03/29/2010
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: 08/31/2009
Date Data Arrived at EDR: 09/17/2009
Date Made Active in Reports: 11/09/2009
Number of Days to Update: 53

Source: National Response Center, United States Coast Guard
Telephone: 202-267-2180
Last EDR Contact: 10/06/2009
Next Scheduled EDR Contact: 01/18/2010
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: 11/09/2009
Date Data Arrived at EDR: 11/10/2009
Date Made Active in Reports: 12/04/2009
Number of Days to Update: 24

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 11/10/2009
Next Scheduled EDR Contact: 02/22/2010
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: 11/09/2009
Date Data Arrived at EDR: 11/10/2009
Date Made Active in Reports: 12/04/2009
Number of Days to Update: 24

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 11/10/2009
Next Scheduled EDR Contact: 02/22/2010
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: 11/23/2009
Date Data Arrived at EDR: 11/24/2009
Date Made Active in Reports: 12/04/2009
Number of Days to Update: 10

Source: Integrated Waste Management Board
Telephone: 916-341-6320
Last EDR Contact: 11/24/2009
Next Scheduled EDR Contact: 03/08/2010
Data Release Frequency: Quarterly

State and tribal leaking storage tank lists

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: 10/30/2009
Next Scheduled EDR Contact: 02/15/2010
Data Release Frequency: No Update Planned

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: 10/16/2009
Next Scheduled EDR Contact: 02/01/2010
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: 10/30/2009
Next Scheduled EDR Contact: 02/15/2010
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: 10/05/2009
Next Scheduled EDR Contact: 01/18/2010
Data Release Frequency: Quarterly

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: 12/04/2009
Next Scheduled EDR Contact: 03/22/2010
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: 09/23/2009
Next Scheduled EDR Contact: 01/04/2010
Data Release Frequency: Quarterly

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: 11/12/2009
Date Data Arrived at EDR: 11/12/2009
Date Made Active in Reports: 12/04/2009
Number of Days to Update: 22

Source: State Water Resources Control Board
Telephone: see region list
Last EDR Contact: 11/12/2009
Next Scheduled EDR Contact: 01/04/2010
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: 09/28/2009
Next Scheduled EDR Contact: 01/11/2010
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: 10/16/2009
Next Scheduled EDR Contact: 02/01/2010
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: 11/13/2009
Next Scheduled EDR Contact: 03/01/2010
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: 12/10/2009
Next Scheduled EDR Contact: 03/29/2010
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: 11/12/2009
Date Data Arrived at EDR: 11/12/2009
Date Made Active in Reports: 12/04/2009
Number of Days to Update: 22

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 11/12/2009
Next Scheduled EDR Contact: 01/04/2010
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: 10/30/2009
Next Scheduled EDR Contact: 02/15/2010
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: 09/23/2009
Next Scheduled EDR Contact: 01/04/2010
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: 10/16/2009
Next Scheduled EDR Contact: 02/01/2010
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: 10/05/2009
Next Scheduled EDR Contact: 01/18/2010
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: 12/10/2009
Next Scheduled EDR Contact: 03/29/2010
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: 12/10/2009
Next Scheduled EDR Contact: 03/29/2010
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: 11/13/2009
Next Scheduled EDR Contact: 03/01/2010
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: 10/30/2009
Next Scheduled EDR Contact: 02/15/2010
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: 12/10/2009
Next Scheduled EDR Contact: 03/29/2010
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: 11/09/2009
Next Scheduled EDR Contact: 02/22/2010
Data Release Frequency: Annually

INDIAN LUST R4: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Florida, Mississippi and North Carolina.

Date of Government Version: 08/20/2009
Date Data Arrived at EDR: 08/26/2009
Date Made Active in Reports: 10/22/2009
Number of Days to Update: 57

Source: EPA Region 4
Telephone: 404-562-8677
Last EDR Contact: 10/30/2009
Next Scheduled EDR Contact: 02/15/2010
Data Release Frequency: Semi-Annually

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: 08/21/2009
Date Data Arrived at EDR: 10/06/2009
Date Made Active in Reports: 10/22/2009
Number of Days to Update: 16

Source: Environmental Protection Agency
Telephone: 415-972-3372
Last EDR Contact: 10/30/2009
Next Scheduled EDR Contact: 02/15/2010
Data Release Frequency: Quarterly

INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Alaska, Idaho, Oregon and Washington.

Date of Government Version: 08/20/2009
Date Data Arrived at EDR: 08/21/2009
Date Made Active in Reports: 09/21/2009
Number of Days to Update: 31

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 10/30/2009
Next Scheduled EDR Contact: 02/15/2010
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: 02/19/2009
Date Data Arrived at EDR: 02/19/2009
Date Made Active in Reports: 03/16/2009
Number of Days to Update: 25

Source: EPA Region 1
Telephone: 617-918-1313
Last EDR Contact: 10/30/2009
Next Scheduled EDR Contact: 02/15/2010
Data Release Frequency: Varies

INDIAN LUST R6: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in New Mexico and Oklahoma.

Date of Government Version: 08/24/2009
Date Data Arrived at EDR: 08/26/2009
Date Made Active in Reports: 09/21/2009
Number of Days to Update: 26

Source: EPA Region 6
Telephone: 214-665-6597
Last EDR Contact: 10/30/2009
Next Scheduled EDR Contact: 02/15/2010
Data Release Frequency: Varies

INDIAN LUST R7: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Iowa, Kansas, and Nebraska

Date of Government Version: 03/24/2009
Date Data Arrived at EDR: 05/20/2009
Date Made Active in Reports: 06/17/2009
Number of Days to Update: 28

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 11/04/2009
Next Scheduled EDR Contact: 02/15/2010
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: 08/24/2009
Date Data Arrived at EDR: 09/10/2009
Date Made Active in Reports: 10/22/2009
Number of Days to Update: 42

Source: EPA Region 8
Telephone: 303-312-6271
Last EDR Contact: 10/30/2009
Next Scheduled EDR Contact: 02/15/2010
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: 11/12/2009
Date Data Arrived at EDR: 11/12/2009
Date Made Active in Reports: 11/20/2009
Number of Days to Update: 8

Source: SWRCB
Telephone: 916-480-1028
Last EDR Contact: 11/12/2009
Next Scheduled EDR Contact: 01/04/2010
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: 916-341-5712
Last EDR Contact: 10/09/2009
Next Scheduled EDR Contact: 01/25/2010
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: 08/20/2009
Date Data Arrived at EDR: 08/21/2009
Date Made Active in Reports: 09/21/2009
Number of Days to Update: 31

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 10/30/2009
Next Scheduled EDR Contact: 02/15/2010
Data Release Frequency: Quarterly

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: 09/08/2008
Date Data Arrived at EDR: 09/19/2008
Date Made Active in Reports: 10/16/2008
Number of Days to Update: 27

Source: EPA Region 5
Telephone: 312-886-6136
Last EDR Contact: 10/22/2009
Next Scheduled EDR Contact: 11/16/2009
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: 08/20/2009
Date Data Arrived at EDR: 08/26/2009
Date Made Active in Reports: 10/22/2009
Number of Days to Update: 57

Source: EPA Region 4
Telephone: 404-562-9424
Last EDR Contact: 10/30/2009
Next Scheduled EDR Contact: 02/15/2010
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: 02/19/2009
Date Data Arrived at EDR: 02/19/2009
Date Made Active in Reports: 03/16/2009
Number of Days to Update: 25

Source: EPA, Region 1
Telephone: 617-918-1313
Last EDR Contact: 10/30/2009
Next Scheduled EDR Contact: 02/15/2010
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: 08/24/2009
Date Data Arrived at EDR: 08/26/2009
Date Made Active in Reports: 09/21/2009
Number of Days to Update: 26

Source: EPA Region 6
Telephone: 214-665-7591
Last EDR Contact: 10/30/2009
Next Scheduled EDR Contact: 02/15/2010
Data Release Frequency: Semi-Annually

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: 04/01/2008
Date Data Arrived at EDR: 12/30/2008
Date Made Active in Reports: 03/16/2009
Number of Days to Update: 76

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 11/04/2009
Next Scheduled EDR Contact: 02/15/2010
Data Release Frequency: Varies

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: 08/24/2009
Date Data Arrived at EDR: 09/10/2009
Date Made Active in Reports: 10/22/2009
Number of Days to Update: 42

Source: EPA Region 8
Telephone: 303-312-6137
Last EDR Contact: 10/30/2009
Next Scheduled EDR Contact: 02/15/2010
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: 08/21/2009
Date Data Arrived at EDR: 08/26/2009
Date Made Active in Reports: 10/22/2009
Number of Days to Update: 57

Source: EPA Region 9
Telephone: 415-972-3368
Last EDR Contact: 10/30/2009
Next Scheduled EDR Contact: 02/15/2010
Data Release Frequency: Quarterly

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

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: 04/02/2008
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 1
Telephone: 617-918-1102
Last EDR Contact: 10/05/2009
Next Scheduled EDR Contact: 01/18/2010
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: 11/09/2009
Date Data Arrived at EDR: 11/10/2009
Date Made Active in Reports: 12/04/2009
Number of Days to Update: 24

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 11/10/2009
Next Scheduled EDR Contact: 02/22/2010
Data Release Frequency: Quarterly

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS: A Listing of Brownfields Sites

Included in the listing are brownfields properties addresses by Cooperative Agreement Recipients and brownfields properties addressed by Targeted Brownfields Assessments. Targeted Brownfields Assessments-EPA's Targeted Brownfields Assessments (TBA) program is designed to help states, tribes, and municipalities--especially those without EPA Brownfields Assessment Demonstration Pilots--minimize the uncertainties of contamination often associated with brownfields. Under the TBA program, EPA provides funding and/or technical assistance for environmental assessments at brownfields sites throughout the country. Targeted Brownfields Assessments supplement and work with other efforts under EPA's Brownfields Initiative to promote cleanup and redevelopment of brownfields. Cooperative Agreement Recipients-States, political subdivisions, territories, and Indian tribes become Brownfields Cleanup Revolving Loan Fund (BCRLF) cooperative agreement recipients when they enter into BCRLF cooperative agreements with the U.S. EPA. EPA selects BCRLF cooperative agreement recipients based on a proposal and application process. BCRLF cooperative agreement recipients must use EPA funds provided through BCRLF cooperative agreement for specified brownfields-related cleanup activities.

Date of Government Version: 07/01/2009
Date Data Arrived at EDR: 09/11/2009
Date Made Active in Reports: 11/09/2009
Number of Days to Update: 59

Source: Environmental Protection Agency
Telephone: 202-566-2777
Last EDR Contact: 11/04/2009
Next Scheduled EDR Contact: 01/11/2010
Data Release Frequency: Semi-Annually

Local Lists of Landfill / Solid Waste Disposal Sites

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: 415-972-3336
Last EDR Contact: 12/08/2009
Next Scheduled EDR Contact: 03/22/2010
Data Release Frequency: Varies

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

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: 11/13/2009
Next Scheduled EDR Contact: 03/01/2010
Data Release Frequency: Quarterly

SWRCY: Recycler Database

A listing of recycling facilities in California.

Date of Government Version: 09/25/2009
Date Data Arrived at EDR: 09/28/2009
Date Made Active in Reports: 10/13/2009
Number of Days to Update: 15

Source: Department of Conservation
Telephone: 916-323-3836
Last EDR Contact: 09/28/2009
Next Scheduled EDR Contact: 01/04/2010
Data Release Frequency: Quarterly

HAULERS: Registered Waste Tire Haulers Listing
A listing of registered waste tire haulers.

Date of Government Version: 10/05/2009
Date Data Arrived at EDR: 10/05/2009
Date Made Active in Reports: 10/13/2009
Number of Days to Update: 8

Source: Integrated Waste Management Board
Telephone: 916-341-6422
Last EDR Contact: 12/04/2009
Next Scheduled EDR Contact: 03/08/2010
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: 11/09/2009
Next Scheduled EDR Contact: 02/22/2010
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: 03/01/2009
Date Data Arrived at EDR: 06/22/2009
Date Made Active in Reports: 09/21/2009
Number of Days to Update: 91

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 03/26/2009
Next Scheduled EDR Contact: 06/22/2009
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: 11/09/2009
Date Data Arrived at EDR: 11/10/2009
Date Made Active in Reports: 12/04/2009
Number of Days to Update: 24

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 11/10/2009
Next Scheduled EDR Contact: 02/22/2010
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: 06/30/2009
Date Data Arrived at EDR: 07/23/2009
Date Made Active in Reports: 08/03/2009
Number of Days to Update: 11

Source: Department of Toxic Substances Control
Telephone: 916-255-6504
Last EDR Contact: 10/05/2009
Next Scheduled EDR Contact: 01/18/2010
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: 12/07/2009
Next Scheduled EDR Contact: 03/22/2010
Data Release Frequency: Varies

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: 08/18/2009
Date Data Arrived at EDR: 08/21/2009
Date Made Active in Reports: 09/21/2009
Number of Days to Update: 31

Source: Environmental Protection Agency
Telephone: 202-564-6023
Last EDR Contact: 11/02/2009
Next Scheduled EDR Contact: 02/15/2010
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: 11/20/2009
Next Scheduled EDR Contact: 03/08/2010
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: 10/29/2009
Date Data Arrived at EDR: 10/30/2009
Date Made Active in Reports: 11/13/2009
Number of Days to Update: 14

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 10/19/2009
Next Scheduled EDR Contact: 02/01/2010
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: 09/21/2009
Date Data Arrived at EDR: 09/22/2009
Date Made Active in Reports: 10/13/2009
Number of Days to Update: 21

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 12/30/2009
Next Scheduled EDR Contact: 12/28/2009
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: 10/05/2009
Date Data Arrived at EDR: 10/05/2009
Date Made Active in Reports: 11/09/2009
Number of Days to Update: 35

Source: U.S. Department of Transportation
Telephone: 202-366-4555
Last EDR Contact: 10/05/2009
Next Scheduled EDR Contact: 01/11/2010
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: 12/31/2007
Date Data Arrived at EDR: 05/09/2008
Date Made Active in Reports: 06/20/2008
Number of Days to Update: 42

Source: Office of Emergency Services
Telephone: 916-845-8400
Last EDR Contact: 11/02/2009
Next Scheduled EDR Contact: 02/15/2010
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: 11/12/2009
Date Data Arrived at EDR: 11/12/2009
Date Made Active in Reports: 12/04/2009
Number of Days to Update: 22

Source: State Water Qualilty Control Board
Telephone: 866-480-1028
Last EDR Contact: 11/12/2009
Next Scheduled EDR Contact: 01/04/2010
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: 11/12/2009
Date Data Arrived at EDR: 11/12/2009
Date Made Active in Reports: 12/04/2009
Number of Days to Update: 22

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 11/12/2009
Next Scheduled EDR Contact: 01/04/2010
Data Release Frequency: Quarterly

Other Ascertainable Records

RCRA-NonGen: 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: 11/12/2008
Date Data Arrived at EDR: 11/18/2008
Date Made Active in Reports: 03/16/2009
Number of Days to Update: 118

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 11/18/2009
Next Scheduled EDR Contact: 01/18/2010
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: 08/12/2009
Date Data Arrived at EDR: 08/27/2009
Date Made Active in Reports: 12/01/2009
Number of Days to Update: 96

Source: Department of Transporation, Office of Pipeline Safety
Telephone: 202-366-4595
Last EDR Contact: 11/10/2009
Next Scheduled EDR Contact: 02/22/2010
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: 703-692-8801
Last EDR Contact: 10/23/2009
Next Scheduled EDR Contact: 02/01/2010
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: 12/31/2008
Date Data Arrived at EDR: 09/30/2009
Date Made Active in Reports: 12/01/2009
Number of Days to Update: 62

Source: U.S. Army Corps of Engineers
Telephone: 202-528-4285
Last EDR Contact: 09/30/2009
Next Scheduled EDR Contact: 12/28/2009
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: 08/03/2009
Date Data Arrived at EDR: 10/27/2009
Date Made Active in Reports: 11/09/2009
Number of Days to Update: 13

Source: Department of Justice, Consent Decree Library
Telephone: Varies
Last EDR Contact: 10/06/2009
Next Scheduled EDR Contact: 01/18/2010
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: 09/01/2009
Date Data Arrived at EDR: 09/22/2009
Date Made Active in Reports: 10/22/2009
Number of Days to Update: 30

Source: EPA
Telephone: 703-416-0223
Last EDR Contact: 09/22/2009
Next Scheduled EDR Contact: 12/28/2009
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: 01/05/2009
Date Data Arrived at EDR: 05/07/2009
Date Made Active in Reports: 05/08/2009
Number of Days to Update: 1

Source: Department of Energy
Telephone: 505-845-0011
Last EDR Contact: 11/30/2009
Next Scheduled EDR Contact: 03/15/2010
Data Release Frequency: Varies

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: 08/07/2009
Date Data Arrived at EDR: 09/18/2009
Date Made Active in Reports: 11/09/2009
Number of Days to Update: 52

Source: Department of Labor, Mine Safety and Health Administration
Telephone: 303-231-5959
Last EDR Contact: 12/08/2009
Next Scheduled EDR Contact: 03/22/2010
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: 12/31/2007
Date Data Arrived at EDR: 04/09/2009
Date Made Active in Reports: 06/17/2009
Number of Days to Update: 69

Source: EPA
Telephone: 202-566-0250
Last EDR Contact: 12/01/2009
Next Scheduled EDR Contact: 03/15/2010
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: 12/31/2002
Date Data Arrived at EDR: 04/14/2006
Date Made Active in Reports: 05/30/2006
Number of Days to Update: 46

Source: EPA
Telephone: 202-260-5521
Last EDR Contact: 10/07/2009
Next Scheduled EDR Contact: 01/11/2010
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: 12/14/2009
Next Scheduled EDR Contact: 03/15/2010
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: 12/14/2009
Next Scheduled EDR Contact: 03/15/2010
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: 12/31/2007
Date Data Arrived at EDR: 05/19/2009
Date Made Active in Reports: 09/21/2009
Number of Days to Update: 125

Source: EPA
Telephone: 202-564-4203
Last EDR Contact: 11/02/2009
Next Scheduled EDR Contact: 02/15/2010
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: 08/21/2009
Date Data Arrived at EDR: 08/27/2009
Date Made Active in Reports: 10/22/2009
Number of Days to Update: 56

Source: Environmental Protection Agency
Telephone: 202-564-5088
Last EDR Contact: 09/28/2009
Next Scheduled EDR Contact: 01/11/2010
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: 09/01/2009
Date Data Arrived at EDR: 10/21/2009
Date Made Active in Reports: 12/01/2009
Number of Days to Update: 41

Source: EPA
Telephone: 202-566-0500
Last EDR Contact: 10/21/2009
Next Scheduled EDR Contact: 02/01/2010
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: 07/06/2009
Date Data Arrived at EDR: 07/13/2009
Date Made Active in Reports: 09/21/2009
Number of Days to Update: 70

Source: Nuclear Regulatory Commission
Telephone: 301-415-7169
Last EDR Contact: 12/14/2009
Next Scheduled EDR Contact: 03/29/2010
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: 10/15/2009
Date Data Arrived at EDR: 10/16/2009
Date Made Active in Reports: 12/01/2009
Number of Days to Update: 46

Source: Environmental Protection Agency
Telephone: 202-343-9775
Last EDR Contact: 10/16/2009
Next Scheduled EDR Contact: 01/25/2010
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: 10/19/2009
Date Data Arrived at EDR: 10/22/2009
Date Made Active in Reports: 12/01/2009
Number of Days to Update: 40

Source: EPA
Telephone: (415) 947-8000
Last EDR Contact: 12/10/2009
Next Scheduled EDR Contact: 03/29/2010
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

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: 12/31/2007
Date Data Arrived at EDR: 02/19/2009
Date Made Active in Reports: 05/22/2009
Number of Days to Update: 92

Source: EPA/NTIS
Telephone: 800-424-9346
Last EDR Contact: 11/20/2009
Next Scheduled EDR Contact: 03/05/2010
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: 11/20/2009
Date Data Arrived at EDR: 11/24/2009
Date Made Active in Reports: 12/04/2009
Number of Days to Update: 10

Source: State Water Resources Control Board
Telephone: 916-445-9379
Last EDR Contact: 11/24/2009
Next Scheduled EDR Contact: 03/05/2010
Data Release Frequency: Quarterly

CA 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: 11/25/2009
Next Scheduled EDR Contact: 03/15/2010
Data Release Frequency: Quarterly

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). This listing is no longer updated by the state agency.

Date of Government Version: 10/06/2009
Date Data Arrived at EDR: 10/07/2009
Date Made Active in Reports: 10/13/2009
Number of Days to Update: 6

Source: CAL EPA/Office of Emergency Information
Telephone: 916-323-3400
Last EDR Contact: 10/07/2009
Next Scheduled EDR Contact: 01/18/2010
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].

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

Proposition 65 Notification Records. NOTIFY 65 contains facility notifications about any release which could impact drinking water and thereby expose the public to a potential health risk.

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: 09/28/2009
Next Scheduled EDR Contact: 01/11/2010
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: 09/22/2009
Date Data Arrived at EDR: 09/23/2009
Date Made Active in Reports: 10/13/2009
Number of Days to Update: 20

Source: Department of Toxic Substance Control
Telephone: 916-327-4498
Last EDR Contact: 12/14/2009
Next Scheduled EDR Contact: 03/29/2010
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: 10/15/2009
Next Scheduled EDR Contact: 01/18/2010
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: 12/31/2008
Date Data Arrived at EDR: 10/21/2009
Date Made Active in Reports: 10/28/2009
Number of Days to Update: 7

Source: California Environmental Protection Agency
Telephone: 916-255-1136
Last EDR Contact: 10/21/2009
Next Scheduled EDR Contact: 02/01/2010
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: 12/31/2007
Date Data Arrived at EDR: 07/14/2009
Date Made Active in Reports: 07/23/2009
Number of Days to Update: 9

Source: California Air Resources Board
Telephone: 916-322-2990
Last EDR Contact: 10/08/2009
Next Scheduled EDR Contact: 01/11/2010
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: 10/23/2009
Next Scheduled EDR Contact: 02/01/2010
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: 09/09/2009
Date Data Arrived at EDR: 09/09/2009
Date Made Active in Reports: 10/22/2009
Number of Days to Update: 43

Source: Environmental Protection Agency
Telephone: 615-532-8599
Last EDR Contact: 11/09/2009
Next Scheduled EDR Contact: 02/08/2010
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: 10/20/2009
Date Data Arrived at EDR: 10/21/2009
Date Made Active in Reports: 10/28/2009
Number of Days to Update: 7

Source: Department of Toxic Substances Control
Telephone: 916-440-7145
Last EDR Contact: 10/21/2009
Next Scheduled EDR Contact: 02/01/2010
Data Release Frequency: Quarterly

HWP: EnviroStor Permitted Facilities Listing
Detailed information on permitted hazardous waste facilities and corrective action (a??cleanupsa??) tracked in EnviroStor.

Date of Government Version: 03/13/2009
Date Data Arrived at EDR: 03/27/2009
Date Made Active in Reports: 04/08/2009
Number of Days to Update: 12

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 11/20/2009
Next Scheduled EDR Contact: 02/22/2010
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: 01/01/2008
Date Data Arrived at EDR: 02/18/2009
Date Made Active in Reports: 05/29/2009
Number of Days to Update: 100

Source: Environmental Protection Agency
Telephone: 202-566-0517
Last EDR Contact: 11/13/2009
Next Scheduled EDR Contact: 02/15/2010
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: 10/23/2009
Next Scheduled EDR Contact: 02/01/2010
Data Release Frequency: N/A

EDR PROPRIETARY RECORDS

EDR Proprietary Records

Manufactured Gas Plants: 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 Historical Auto Stations: EDR Proprietary 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.

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 Historical Cleaners: EDR Proprietary 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.

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

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: 10/08/2009
Date Data Arrived at EDR: 10/09/2009
Date Made Active in Reports: 10/28/2009
Number of Days to Update: 19

Source: Alameda County Environmental Health Services
Telephone: 510-567-6700
Last EDR Contact: 10/05/2009
Next Scheduled EDR Contact: 01/18/2010
Data Release Frequency: Semi-Annually

Underground Tanks

Underground storage tank sites located in Alameda county.

Date of Government Version: 10/08/2009
Date Data Arrived at EDR: 10/09/2009
Date Made Active in Reports: 11/02/2009
Number of Days to Update: 24

Source: Alameda County Environmental Health Services
Telephone: 510-567-6700
Last EDR Contact: 10/05/2009
Next Scheduled EDR Contact: 01/18/2010
Data Release Frequency: Semi-Annually

CONTRA COSTA COUNTY:

Site List

List includes sites from the underground tank, hazardous waste generator and business plan/2185 programs.

Date of Government Version: 11/18/2009
Date Data Arrived at EDR: 11/20/2009
Date Made Active in Reports: 12/04/2009
Number of Days to Update: 14

Source: Contra Costa Health Services Department
Telephone: 925-646-2286
Last EDR Contact: 11/09/2009
Next Scheduled EDR Contact: 02/22/2010
Data Release Frequency: Semi-Annually

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: 10/15/2009
Date Data Arrived at EDR: 10/16/2009
Date Made Active in Reports: 10/28/2009
Number of Days to Update: 12

Source: Dept. of Community Health
Telephone: 559-445-3271
Last EDR Contact: 10/16/2009
Next Scheduled EDR Contact: 02/01/2010
Data Release Frequency: Semi-Annually

KERN COUNTY:

Underground Storage Tank Sites & Tank Listing

Kern County Sites and Tanks Listing.

Date of Government Version: 11/18/2009
Date Data Arrived at EDR: 11/20/2009
Date Made Active in Reports: 12/08/2009
Number of Days to Update: 18

Source: Kern County Environment Health Services Department
Telephone: 661-862-8700
Last EDR Contact: 11/16/2009
Next Scheduled EDR Contact: 03/01/2010
Data Release Frequency: Quarterly

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: 09/28/2009
Next Scheduled EDR Contact: 01/11/2010
Data Release Frequency: No Update Planned

HMS: Street Number List

Industrial Waste and Underground Storage Tank Sites.

Date of Government Version: 05/28/2009
Date Data Arrived at EDR: 08/13/2009
Date Made Active in Reports: 08/20/2009
Number of Days to Update: 7

Source: Department of Public Works
Telephone: 626-458-3517
Last EDR Contact: 10/19/2009
Next Scheduled EDR Contact: 02/01/2010
Data Release Frequency: Semi-Annually

List of Solid Waste Facilities

Solid Waste Facilities in Los Angeles County.

Date of Government Version: 10/26/2009
Date Data Arrived at EDR: 10/27/2009
Date Made Active in Reports: 11/13/2009
Number of Days to Update: 17

Source: La County Department of Public Works
Telephone: 818-458-5185
Last EDR Contact: 10/26/2009
Next Scheduled EDR Contact: 02/08/2010
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: 11/20/2009
Next Scheduled EDR Contact: 03/08/2010
Data Release Frequency: Varies

Site Mitigation List
Industrial sites that have had some sort of spill or complaint.

Date of Government Version: 02/11/2009
Date Data Arrived at EDR: 04/23/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 18

Source: Community Health Services
Telephone: 323-890-7806
Last EDR Contact: 10/23/2009
Next Scheduled EDR Contact: 02/08/2010
Data Release Frequency: Annually

City of El Segundo Underground Storage Tank
Underground storage tank sites located in El Segundo city.

Date of Government Version: 11/10/2009
Date Data Arrived at EDR: 11/16/2009
Date Made Active in Reports: 11/20/2009
Number of Days to Update: 4

Source: City of El Segundo Fire Department
Telephone: 310-524-2236
Last EDR Contact: 10/26/2009
Next Scheduled EDR Contact: 02/08/2010
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: 10/30/2009
Next Scheduled EDR Contact: 02/15/2010
Data Release Frequency: Annually

City of Torrance Underground Storage Tank
Underground storage tank sites located in the city of Torrance.

Date of Government Version: 10/19/2009
Date Data Arrived at EDR: 10/20/2009
Date Made Active in Reports: 11/02/2009
Number of Days to Update: 13

Source: City of Torrance Fire Department
Telephone: 310-618-2973
Last EDR Contact: 10/19/2009
Next Scheduled EDR Contact: 02/01/2010
Data Release Frequency: Semi-Annually

MARIN COUNTY:

Underground Storage Tank Sites
Currently permitted USTs in Marin County.

Date of Government Version: 10/19/2009
Date Data Arrived at EDR: 10/27/2009
Date Made Active in Reports: 11/20/2009
Number of Days to Update: 24

Source: Public Works Department Waste Management
Telephone: 415-499-6647
Last EDR Contact: 10/13/2009
Next Scheduled EDR Contact: 01/25/2010
Data Release Frequency: Semi-Annually

NAPA COUNTY:

Sites With Reported Contamination
A listing of leaking underground storage tank sites located in Napa county.

Date of Government Version: 07/09/2008
Date Data Arrived at EDR: 07/09/2008
Date Made Active in Reports: 07/31/2008
Number of Days to Update: 22

Source: Napa County Department of Environmental Management
Telephone: 707-253-4269
Last EDR Contact: 12/07/2009
Next Scheduled EDR Contact: 03/22/2010
Data Release Frequency: Semi-Annually

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: 12/07/2009
Next Scheduled EDR Contact: 03/22/2010
Data Release Frequency: Annually

ORANGE COUNTY:

List of Industrial Site Cleanups
Petroleum and non-petroleum spills.

Date of Government Version: 11/04/2009
Date Data Arrived at EDR: 11/18/2009
Date Made Active in Reports: 12/04/2009
Number of Days to Update: 16

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 11/13/2009
Next Scheduled EDR Contact: 03/01/2010
Data Release Frequency: Annually

List of Underground Storage Tank Cleanups
Orange County Underground Storage Tank Cleanups (LUST).

Date of Government Version: 11/04/2009
Date Data Arrived at EDR: 11/18/2009
Date Made Active in Reports: 12/04/2009
Number of Days to Update: 16

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 11/13/2009
Next Scheduled EDR Contact: 03/01/2010
Data Release Frequency: Quarterly

List of Underground Storage Tank Facilities
Orange County Underground Storage Tank Facilities (UST).

Date of Government Version: 11/04/2009
Date Data Arrived at EDR: 11/18/2009
Date Made Active in Reports: 11/20/2009
Number of Days to Update: 2

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 12/02/2009
Next Scheduled EDR Contact: 03/01/2010
Data Release Frequency: Quarterly

PLACER COUNTY:

Master List of Facilities
List includes aboveground tanks, underground tanks and cleanup sites.

Date of Government Version: 10/07/2009
Date Data Arrived at EDR: 10/09/2009
Date Made Active in Reports: 10/28/2009
Number of Days to Update: 19

Source: Placer County Health and Human Services
Telephone: 530-889-7312
Last EDR Contact: 12/14/2009
Next Scheduled EDR Contact: 03/29/2010
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: 10/28/2009
Date Data Arrived at EDR: 10/30/2009
Date Made Active in Reports: 11/13/2009
Number of Days to Update: 14

Source: Department of Public Health
Telephone: 951-358-5055
Last EDR Contact: 09/28/2009
Next Scheduled EDR Contact: 01/11/2010
Data Release Frequency: Quarterly

Underground Storage Tank Tank List
Underground storage tank sites located in Riverside county.

Date of Government Version: 10/06/2009
Date Data Arrived at EDR: 10/30/2009
Date Made Active in Reports: 11/20/2009
Number of Days to Update: 21

Source: Health Services Agency
Telephone: 951-358-5055
Last EDR Contact: 09/28/2009
Next Scheduled EDR Contact: 01/11/2010
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: 11/12/2009
Date Data Arrived at EDR: 11/20/2009
Date Made Active in Reports: 12/04/2009
Number of Days to Update: 14

Source: Sacramento County Environmental Management
Telephone: 916-875-8406
Last EDR Contact: 11/20/2009
Next Scheduled EDR Contact: 01/25/2010
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: 11/12/2009
Date Data Arrived at EDR: 11/20/2009
Date Made Active in Reports: 12/04/2009
Number of Days to Update: 14

Source: Sacramento County Environmental Management
Telephone: 916-875-8406
Last EDR Contact: 11/20/2009
Next Scheduled EDR Contact: 01/25/2010
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: 09/18/2009
Date Data Arrived at EDR: 09/21/2009
Date Made Active in Reports: 10/13/2009
Number of Days to Update: 22

Source: San Bernardino County Fire Department Hazardous Materials Division
Telephone: 909-387-3041
Last EDR Contact: 11/16/2009
Next Scheduled EDR Contact: 03/01/2010
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: 07/16/2008
Date Data Arrived at EDR: 10/29/2008
Date Made Active in Reports: 11/26/2008
Number of Days to Update: 28

Source: Hazardous Materials Management Division
Telephone: 619-338-2268
Last EDR Contact: 09/24/2009
Next Scheduled EDR Contact: 12/28/2009
Data Release Frequency: Quarterly

Solid Waste Facilities
San Diego County Solid Waste Facilities.

Date of Government Version: 11/01/2008
Date Data Arrived at EDR: 12/23/2008
Date Made Active in Reports: 01/27/2009
Number of Days to Update: 35

Source: Department of Health Services
Telephone: 619-338-2209
Last EDR Contact: 11/25/2009
Next Scheduled EDR Contact: 02/15/2010
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: 08/18/2009
Date Data Arrived at EDR: 09/22/2009
Date Made Active in Reports: 10/13/2009
Number of Days to Update: 21

Source: San Diego County Department of Environmental Health
Telephone: 619-338-2371
Last EDR Contact: 09/22/2009
Next Scheduled EDR Contact: 12/28/2009
Data Release Frequency: Varies

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: 11/16/2009
Next Scheduled EDR Contact: 03/01/2010
Data Release Frequency: Quarterly

Underground Storage Tank Information
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: 10/01/2008
Number of Days to Update: 12

Source: Department of Public Health
Telephone: 415-252-3920
Last EDR Contact: 11/30/2009
Next Scheduled EDR Contact: 03/01/2010
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: 10/14/2009
Date Data Arrived at EDR: 10/15/2009
Date Made Active in Reports: 11/02/2009
Number of Days to Update: 18

Source: Environmental Health Department
Telephone: N/A
Last EDR Contact: 09/28/2009
Next Scheduled EDR Contact: 01/11/2010
Data Release Frequency: Semi-Annually

SAN MATEO COUNTY:

Business Inventory
List includes Hazardous Materials Business Plan, hazardous waste generators, and underground storage tanks.

Date of Government Version: 10/09/2009
Date Data Arrived at EDR: 10/13/2009
Date Made Active in Reports: 11/13/2009
Number of Days to Update: 31

Source: San Mateo County Environmental Health Services Division
Telephone: 650-363-1921
Last EDR Contact: 09/23/2009
Next Scheduled EDR Contact: 01/04/2010
Data Release Frequency: Annually

Fuel Leak List
A listing of leaking underground storage tank sites located in San Mateo county.

Date of Government Version: 04/07/2009
Date Data Arrived at EDR: 04/07/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 34

Source: San Mateo County Environmental Health Services Division
Telephone: 650-363-1921
Last EDR Contact: 09/23/2009
Next Scheduled EDR Contact: 01/04/2010
Data Release Frequency: Semi-Annually

SANTA CLARA COUNTY:

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: 05/29/2009
Date Data Arrived at EDR: 06/01/2009
Date Made Active in Reports: 06/15/2009
Number of Days to Update: 14

Source: Department of Environmental Health
Telephone: 408-918-3417
Last EDR Contact: 12/07/2009
Next Scheduled EDR Contact: 03/22/2010
Data Release Frequency: Varies

Hazardous Material Facilities
Hazardous material facilities, including underground storage tank sites.

Date of Government Version: 08/31/2009
Date Data Arrived at EDR: 08/31/2009
Date Made Active in Reports: 09/18/2009
Number of Days to Update: 18

Source: City of San Jose Fire Department
Telephone: 408-277-4659
Last EDR Contact: 11/16/2009
Next Scheduled EDR Contact: 03/01/2010
Data Release Frequency: Annually

SOLANO COUNTY:

Leaking Underground Storage Tanks
A listing of leaking underground storage tank sites located in Solano county.

Date of Government Version: 09/21/2009
Date Data Arrived at EDR: 09/25/2009
Date Made Active in Reports: 10/13/2009
Number of Days to Update: 18

Source: Solano County Department of Environmental Management
Telephone: 707-784-6770
Last EDR Contact: 12/07/2009
Next Scheduled EDR Contact: 03/22/2010
Data Release Frequency: Quarterly

Underground Storage Tanks
Underground storage tank sites located in Solano county.

Date of Government Version: 09/21/2009
Date Data Arrived at EDR: 09/28/2009
Date Made Active in Reports: 10/22/2009
Number of Days to Update: 24

Source: Solano County Department of Environmental Management
Telephone: 707-784-6770
Last EDR Contact: 12/07/2009
Next Scheduled EDR Contact: 03/22/2010
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: 10/05/2009
Date Data Arrived at EDR: 10/06/2009
Date Made Active in Reports: 10/13/2009
Number of Days to Update: 7

Source: Department of Health Services
Telephone: 707-565-6565
Last EDR Contact: 10/05/2009
Next Scheduled EDR Contact: 01/18/2010
Data Release Frequency: Quarterly

SUTTER COUNTY:

Underground Storage Tanks
Underground storage tank sites located in Sutter county.

Date of Government Version: 04/01/2009
Date Data Arrived at EDR: 04/02/2009
Date Made Active in Reports: 04/09/2009
Number of Days to Update: 7

Source: Sutter County Department of Agriculture
Telephone: 530-822-7500
Last EDR Contact: 12/14/2009
Next Scheduled EDR Contact: 03/29/2010
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: 10/26/2009
Date Data Arrived at EDR: 11/30/2009
Date Made Active in Reports: 12/04/2009
Number of Days to Update: 4

Source: Ventura County Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 11/23/2009
Next Scheduled EDR Contact: 03/08/2010
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: 08/01/2009
Date Data Arrived at EDR: 10/05/2009
Date Made Active in Reports: 10/13/2009
Number of Days to Update: 8

Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 10/30/2009
Next Scheduled EDR Contact: 02/15/2010
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: 11/20/2009
Next Scheduled EDR Contact: 03/08/2010
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: 08/26/2009
Date Data Arrived at EDR: 09/28/2009
Date Made Active in Reports: 10/22/2009
Number of Days to Update: 24

Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 09/28/2009
Next Scheduled EDR Contact: 01/04/2010
Data Release Frequency: Quarterly

YOLO COUNTY:

Underground Storage Tank Comprehensive Facility Report
Underground storage tank sites located in Yolo county.

Date of Government Version: 10/13/2009
Date Data Arrived at EDR: 10/29/2009
Date Made Active in Reports: 11/20/2009
Number of Days to Update: 22

Source: Yolo County Department of Health
Telephone: 530-666-8646
Last EDR Contact: 10/13/2009
Next Scheduled EDR Contact: 01/11/2010
Data Release Frequency: Annually

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: 12/31/2007
Date Data Arrived at EDR: 08/26/2009
Date Made Active in Reports: 09/11/2009
Number of Days to Update: 16

Source: Department of Environmental Protection
Telephone: 860-424-3375
Last EDR Contact: 11/24/2009
Next Scheduled EDR Contact: 03/08/2010
Data Release Frequency: Annually

NJ MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 12/31/2008
Date Data Arrived at EDR: 05/05/2009
Date Made Active in Reports: 05/22/2009
Number of Days to Update: 17

Source: Department of Environmental Protection
Telephone: N/A
Last EDR Contact: 10/20/2009
Next Scheduled EDR Contact: 02/01/2010
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: 10/27/2009
Date Data Arrived at EDR: 11/10/2009
Date Made Active in Reports: 12/09/2009
Number of Days to Update: 29

Source: Department of Environmental Conservation
Telephone: 518-402-8651
Last EDR Contact: 11/10/2009
Next Scheduled EDR Contact: 02/22/2010
Data Release Frequency: Annually

PA MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 12/31/2008
Date Data Arrived at EDR: 12/01/2009
Date Made Active in Reports: 12/14/2009
Number of Days to Update: 13

Source: Department of Environmental Protection
Telephone: N/A
Last EDR Contact: 11/23/2009
Next Scheduled EDR Contact: 03/08/2010
Data Release Frequency: Annually

RI MANIFEST: Manifest information
Hazardous waste manifest information

Date of Government Version: 06/01/2009
Date Data Arrived at EDR: 06/12/2009
Date Made Active in Reports: 06/29/2009
Number of Days to Update: 17

Source: Department of Environmental Management
Telephone: 401-222-2797
Last EDR Contact: 11/30/2009
Next Scheduled EDR Contact: 03/15/2010
Data Release Frequency: Annually

WI MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 12/31/2008
Date Data Arrived at EDR: 07/17/2009
Date Made Active in Reports: 08/10/2009
Number of Days to Update: 24

Source: Department of Natural Resources
Telephone: N/A
Last EDR Contact: 09/24/2009
Next Scheduled EDR Contact: 01/04/2010
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: PennWell Corporation
Telephone: (800) 823-6277
This map includes information copyrighted by PennWell Corporation. This information is provided on a best effort basis and PennWell Corporation does not guarantee its accuracy nor warrant its fitness for any particular purpose. Such information has been reprinted with the permission of PennWell.

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 1999 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.

Scanned Digital USGS 7.5' Topographic Map (DRG)
Source: United States Geologic Survey
A digital raster graphic (DRG) is a scanned image of a U.S. Geological Survey topographic map. The map images are made by scanning published paper maps on high-resolution scanners. The raster image is georeferenced and fit to the Universal Transverse Mercator (UTM) projection.

STREET AND ADDRESS INFORMATION

© 2009 Tele Atlas North America, Inc. All rights reserved. This material is proprietary and the subject of copyright protection and other intellectual property rights owned by or licensed to Tele Atlas North America, Inc. The use of this material is subject to the terms of a license agreement. You will be held liable for any unauthorized copying or disclosure of this material.

GEOCHECK ®- PHYSICAL SETTING SOURCE ADDENDUM

TARGET PROPERTY ADDRESS

SHELL SERVICE STATION
1705 BERRYESSA
SAN JOSE, CA 95133

TARGET PROPERTY COORDINATES

Latitude (North):	37.37300 - 37˚ 22' 22.8''
Longitude (West):	121.8742 - 121˚ 52' 27.1''
Universal Tranverse Mercator:	Zone 10
UTM X (Meters):	599682.0
UTM Y (Meters):	4136642.2
Elevation:	89 ft. above sea level

USGS TOPOGRAPHIC MAP

Target Property Map:	37121-D8 MILPITAS, CA
Most Recent Revision:	1980
East Map:	37121-D7 CALAVERAS RESERVOIR, CA
Most Recent Revision:	1980
Southeast Map:	37121-C7 SAN JOSE EAST, CA
Most Recent Revision:	1980
South Map:	37121-C8 SAN JOSE WEST, CA
Most Recent Revision:	1980

EDR's GeoCheck Physical Setting Source Addendum is provided to assist the environmental professional in forming an opinion about the impact of potential contaminant migration.

Assessment of the impact of contaminant migration generally has two principle investigative components:

1. Groundwater flow direction, and
2. Groundwater flow velocity.

Groundwater flow direction may be impacted by surface topography, hydrology, hydrogeology, characteristics of the soil, and nearby wells. Groundwater flow velocity is generally impacted by the nature of the geologic strata.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW DIRECTION INFORMATION

Groundwater flow direction for a particular site is best determined by a qualified environmental professional using site-specific well data. If such data is not reasonably ascertainable, it may be necessary to rely on other sources of information, such as surface topographic information, hydrologic information, hydrogeologic data collected on nearby properties, and regional groundwater flow information (from deep aquifers).

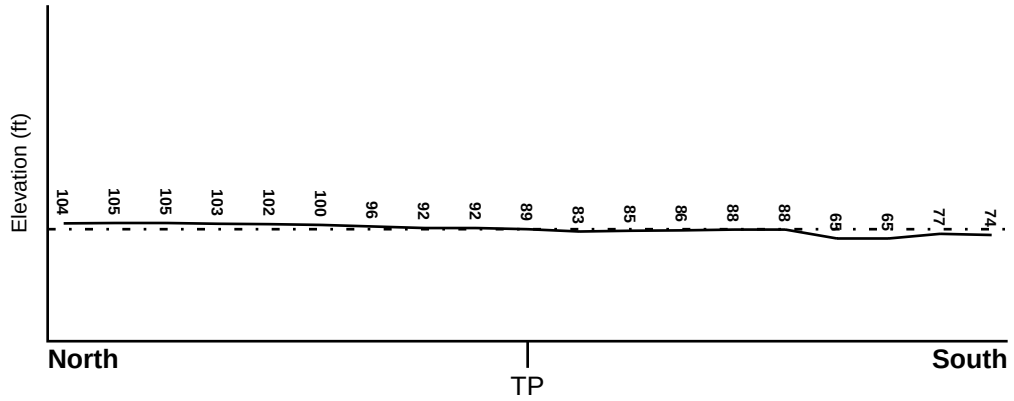
TOPOGRAPHIC INFORMATION

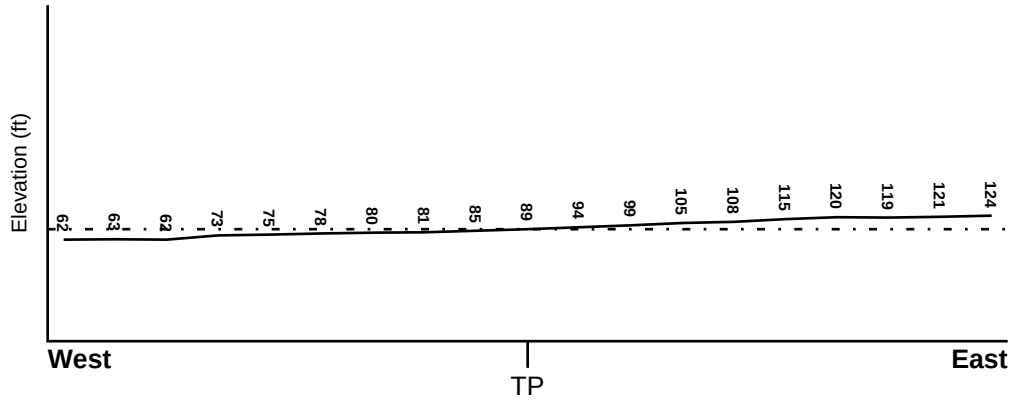
Surface topography may be indicative of the direction of surficial groundwater flow. This information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

TARGET PROPERTY TOPOGRAPHY

General Topographic Gradient: General WSW

SURROUNDING TOPOGRAPHY: ELEVATION PROFILES





Target Property Elevation: 89 ft.

0 1/2 1 Miles

Source: Topography has been determined from the USGS 7.5' 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.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

HYDROLOGIC INFORMATION

Surface water can act as a hydrologic barrier to groundwater flow. Such hydrologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Refer to the Physical Setting Source Map following this summary for hydrologic information (major waterways and bodies of water).

FEMA FLOOD ZONE

Target Property County	FEMA Flood Electronic Data
SANTA CLARA, CA	YES - refer to the Overview Map and Detail Map

Flood Plain Panel at Target Property:	0603490014E
Additional Panels in search area:	0603370070F 0603370090E 0603490015E 0603370255E 0603490020E 0603490019E 0603370235E

NATIONAL WETLAND INVENTORY

NWI Quad at Target Property	NWI Electronic Data Coverage
SAN JOSE EAST	YES - refer to the Overview Map and Detail Map

HYDROGEOLOGIC INFORMATION

Hydrogeologic information obtained by installation of wells on a specific site can often be an indicator of groundwater flow direction in the immediate area. Such hydrogeologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Site-Specific Hydrogeological Data*:

Search Radius:	1.25 miles
Status:	Not found

AQUIFLOW®

Search Radius: 1.000 Mile.

EDR has developed the AQUIFLOW Information System to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted by environmental professionals to regulatory authorities at select sites and has extracted the date of the report, groundwater flow direction as determined hydrogeologically, and the depth to water table.

MAP ID	LOCATION FROM TP	GENERAL DIRECTION GROUNDWATER FLOW
Not Reported		

* ©1996 Site−specific hydrogeological data gathered by CERCLIS Alerts, Inc., Bainbridge Island, WA. All rights reserved. All of the information and opinions presented are those of the cited EPA report(s), which were completed under a Comprehensive Environmental Response Compensation and Liability Information System (CERCLIS) investigation.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW VELOCITY INFORMATION

Groundwater flow velocity information for a particular site is best determined by a qualified environmental professional using site specific geologic and soil strata data. If such data are not reasonably ascertainable, it may be necessary to rely on other sources of information, including geologic age identification, rock stratigraphic unit and soil characteristics data collected on nearby properties and regional soil information. In general, contaminant plumes move more quickly through sandy-gravelly types of soils than silty-clayey types of soils.

GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

Geologic information can be used by the environmental professional in forming an opinion about the relative speed at which contaminant migration may be occurring.

ROCK STRATIGRAPHIC UNIT

Era:	Cenozoic
System:	Quaternary
Series:	Quaternary
Code:	Q *(decoded above as Era, System & Series)*

GEOLOGIC AGE IDENTIFICATION

Category: Stratifed Sequence

Geologic Age and Rock Stratigraphic Unit Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - a digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY

The U.S. Department of Agriculture's (USDA) Soil Conservation Service (SCS) leads the National Cooperative Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps. The following information is based on Soil Conservation Service STATSGO data.

Soil Component Name:	BOTELLA
Soil Surface Texture:	clay loam
Hydrologic Group:	Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.
Soil Drainage Class:	Not reported

Hydric Status: Soil does not meet the requirements for a hydric soil.

Corrosion Potential - Uncoated Steel:	MODERATE
Depth to Bedrock Min:	> 60 inches
Depth to Bedrock Max:	> 60 inches

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
	Boundary			Classification			
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil	Permeability Rate (in/hr)	Soil Reaction (pH)
1	0 inches	9 inches	clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 0.60 Min: 0.20	Max: 7.30 Min: 5.60
2	9 inches	41 inches	silty clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 0.60 Min: 0.20	Max: 7.80 Min: 5.60
3	41 inches	76 inches	sandy clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Clayey sand.	Max: 0.60 Min: 0.20	Max: 7.80 Min: 5.60

OTHER SOIL TYPES IN AREA

Based on Soil Conservation Service STATSGO data, the following additional subordinant soil types may appear within the general area of target property.

Soil Surface Textures: No Other Soil Types

Surficial Soil Types: No Other Soil Types

Shallow Soil Types: No Other Soil Types

Deeper Soil Types: No Other Soil Types

LOCAL / REGIONAL WATER AGENCY RECORDS

EDR Local/Regional Water Agency records provide water well information to assist the environmental professional in assessing sources that may impact ground water flow direction, and in forming an opinion about the impact of contaminant migration on nearby drinking water wells.

WELL SEARCH DISTANCE INFORMATION

DATABASE	SEARCH DISTANCE (miles)
Federal USGS	1.000
Federal FRDS PWS	Nearest PWS within 1 mile
State Database	1.000

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

FEDERAL USGS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
1	USGS3224032	1/4 - 1/2 Mile SE
4	USGS3224030	1/2 - 1 Mile WSW

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

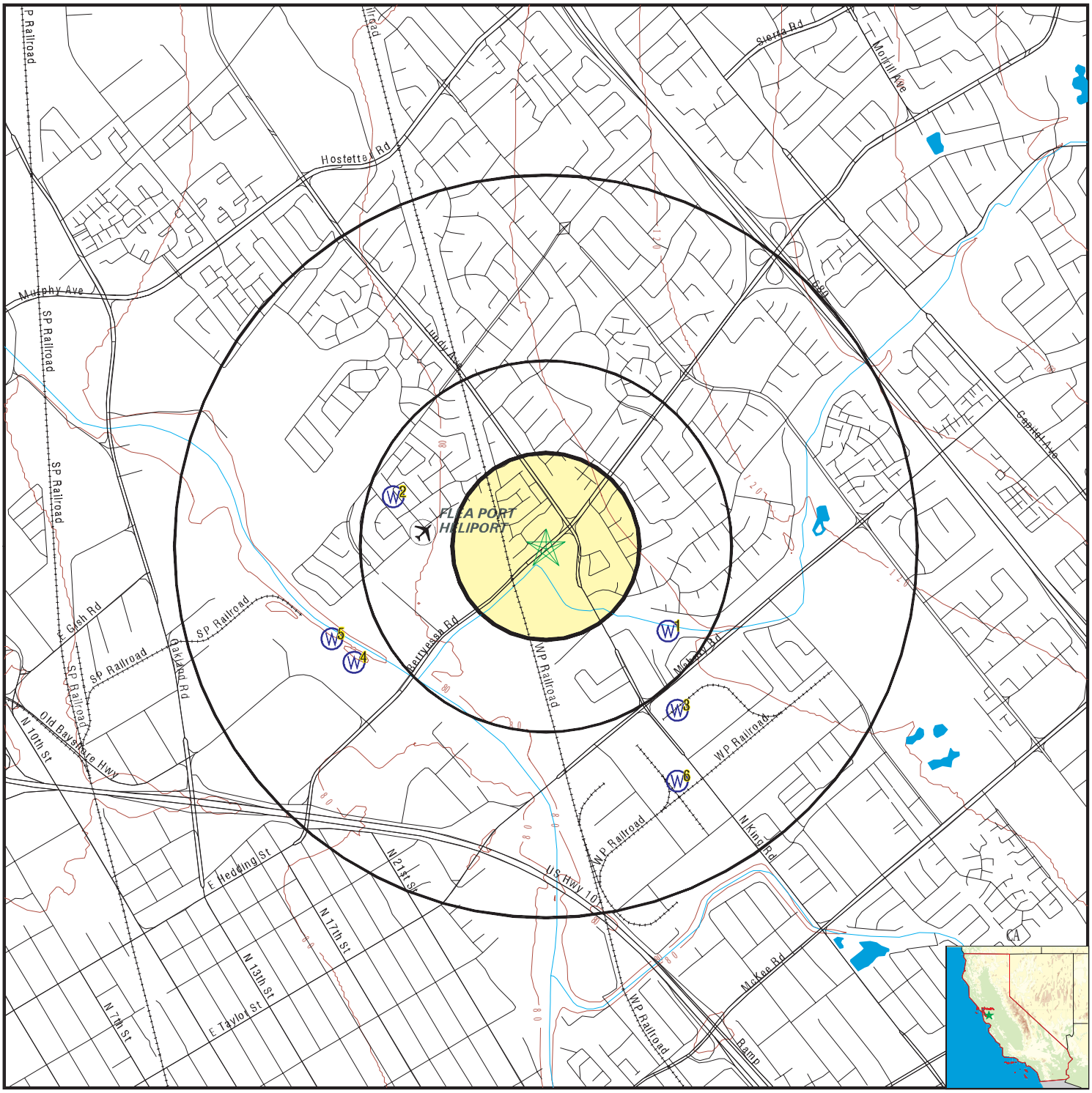
MAP ID	WELL ID	LOCATION FROM TP
No PWS System Found		

Note: PWS System location is not always the same as well location.

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
2	7655	1/4 - 1/2 Mile WNW
3	6837	1/2 - 1 Mile SE
5	22492	1/2 - 1 Mile WSW
6	19846	1/2 - 1 Mile SSE

PHYSICAL SETTING SOURCE MAP - 02658827.194r



0 1/4 1/2 1 Miles

- County Boundary
- Major Roads
- Contour Lines
- Earthquake Fault Lines
- Airports
- Earthquake epicenter, Richter 5 or greater
- Water Wells
- Public Water Supply Wells
- Cluster of Multiple Icons
- Groundwater Flow Direction
- GI Indeterminate Groundwater Flow at Location
- GV Groundwater Flow Varies at Location
- HD Closest Hydrogeological Data
- Oil, gas or related wells

SITE NAME: Shell Service Station	CLIENT: Bureau Veritas North America, Inc.
ADDRESS: 1705 Berryessa San Jose CA 95133	CONTACT: Jon Rosso INQUIRY #: 02658827.194r
LAT/LONG: 37.3730 / 121.8742	DATE: December 14, 2009 3:49 pm

Copyright © 2008 EDR, Inc. © 2008 Tele Atlas Rel. 07/2007.

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID Direction Distance Elevation	Database	EDR ID Number
1 **SE** **1/4 - 1/2 Mile** **Higher**	**FED USGS**	**USGS3224032**

Agency cd:	USGS	Site no:	372210121520501
Site name:	006S001E33F006M		
Latitude:	372210.9	EDR Site id:	USGS3224032
Longitude:	1215205.6	Dec lat:	37.36969444
Dec lon:	-121.86822222	Coor meth:	G
Coor accr:	5	Latlong datum:	NAD83
Dec latlong datum:	NAD83	District:	06
State:	06	County:	085
Country:	US	Land net:	Not Reported
Location map:	SAN JOSE EAST	Map scale:	24000
Altitude:	95		
Altitude method:	Interpolated from topographic map		
Altitude accuracy:	5		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	Not Reported		
Topographic:	Flat surface		
Site type:	Ground-water other than Spring	Date construction:	Not Reported
Date inventoried:	20010626	Mean greenwich time offset:	PST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	680	Hole depth:	Not Reported
Source of depth data:	other government (other than USGS)		
Project number:	470657500		
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	2001-06-26
Water quality data end date:	2001-06-26	Water quality data count:	1
Ground water data begin date:	0000-00-00	Ground water data end date:	0000-00-00
Ground water data count:	0		

Ground-water levels, Number of Measurements: 0

---

2 **WNW** **1/4 - 1/2 Mile** **Lower**	**CA WELLS**	**7655**

Water System Information:

Prime Station Code:	07S/01E-08Q01 M	User ID:	HEN
FRDS Number:	4310028001	County:	Santa Clara
District Number:	05	Station Type:	WELL/AMBNT/MUN/INTAKE
Water Type:	Well/Groundwater	Well Status:	Destroyed
Source Lat/Long:	372230.0 1215250.0	Precision:	1,000 Feet (10 Seconds)
Source Name:	MAIN CAMPUS WELL 01 - DESTROYED		

System Number: 4310028
System Name: San Jose State University
Organization That Operates System:
One Washington Square
San Jose, CA 95192
Pop Served: 30000 Connections: 1000
Area Served: Not Reported

3
SE **CA WELLS** **6837**
1/2 - 1 Mile
Higher

Water System Information:

Prime Station Code:	06S/01E-33F06 M	User ID:	HEN
FRDS Number:	4310011060	County:	Santa Clara
District Number:	05	Station Type:	WELL/AMBNT/MUN/INTAKE/SUPPLY
Water Type:	Well/Groundwater	Well Status:	Standby Untreated
Source Lat/Long:	372200.0 1215200.0	Precision:	0.5 Mile (30 Seconds)
Source Name:	MABURY WELL 01 - STANDBY		
System Number:	4310011		
System Name:	San Jose Water Company		
Organization That Operates System:			
	1221 S. Bascom Avenue		
	San Jose, CA 95128		
Pop Served:	944000	Connections:	206890
Area Served:	SAN JOSE VICINITY		
Sample Collected:	07/14/2009	Findings:	3.4 NTU
Chemical:	TURBIDITY, LABORATORY		
Sample Collected:	07/14/2009	Findings:	11.48
Chemical:	AGGRSSIVE INDEX (CORROSIVITY)		
Sample Collected:	07/14/2009	Findings:	5800 UG/L
Chemical:	NITRATE + NITRITE (AS N)		
Sample Collected:	07/14/2009	Findings:	880 US
Chemical:	SPECIFIC CONDUCTANCE		
Sample Collected:	07/14/2009	Findings:	880 US
Chemical:	SPECIFIC CONDUCTANCE		
Sample Collected:	07/14/2009	Findings:	6.82
Chemical:	PH, LABORATORY		
Sample Collected:	07/14/2009	Findings:	250 MG/L
Chemical:	ALKALINITY (TOTAL) AS CACO3		
Sample Collected:	07/14/2009	Findings:	310 MG/L
Chemical:	BICARBONATE ALKALINITY		
Sample Collected:	07/14/2009	Findings:	364 MG/L
Chemical:	HARDNESS (TOTAL) AS CACO3		
Sample Collected:	07/14/2009	Findings:	72 MG/L
Chemical:	CALCIUM		
Sample Collected:	07/14/2009	Findings:	45 MG/L
Chemical:	MAGNESIUM		
Sample Collected:	07/14/2009	Findings:	45 MG/L
Chemical:	SODIUM		
Sample Collected:	07/14/2009	Findings:	1.9 MG/L
Chemical:	POTASSIUM		
Sample Collected:	07/14/2009	Findings:	77 MG/L
Chemical:	CHLORIDE		

Sample Collected:	07/14/2009	Findings:	120 UG/L
Chemical:	BARIUM		
Sample Collected:	07/14/2009	Findings:	780 UG/L
Chemical:	IRON		
Sample Collected:	07/14/2009	Findings:	27 UG/L
Chemical:	MANGANESE		
Sample Collected:	07/14/2009	Findings:	450 UG/L
Chemical:	ALUMINUM		
Sample Collected:	07/14/2009	Findings:	.059 MG/L
Chemical:	FOAMING AGENTS (MBAS)		
Sample Collected:	07/14/2009	Findings:	470 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	07/14/2009	Findings:	26 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	07/14/2009	Findings:	70000 UG/L
Chemical:	CARBON DIOXIDE		
Sample Collected:	01/21/2009	Findings:	30.226 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	10/22/2008	Findings:	36 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	07/02/2008	Findings:	11.442 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	04/16/2008	Findings:	28.779 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	01/09/2008	Findings:	26.088 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	10/03/2007	Findings:	28.374 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	04/11/2007	Findings:	28.736 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	01/11/2007	Findings:	31.917 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	11/07/2006	Findings:	.377 PCI/L
Chemical:	RADIUM 228 COUNTING ERROR		
Sample Collected:	10/17/2006	Findings:	27.334 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	09/12/2006	Findings:	490 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	09/12/2006	Findings:	27.197 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	09/12/2006	Findings:	2.8 NTU
Chemical:	TURBIDITY, LABORATORY		
Sample Collected:	09/12/2006	Findings:	6143.802 UG/L
Chemical:	NITRATE + NITRITE (AS N)		
Sample Collected:	09/12/2006	Findings:	22 C
Chemical:	SOURCE TEMPERATURE C		
Sample Collected:	09/12/2006	Findings:	1 UNITS
Chemical:	COLOR		
Sample Collected:	09/12/2006	Findings:	873 US
Chemical:	SPECIFIC CONDUCTANCE		

Sample Collected:	09/12/2006	Findings:	7.53
Chemical:	PH, LABORATORY		
Sample Collected:	09/12/2006	Findings:	268 MG/L
Chemical:	ALKALINITY (TOTAL) AS CACO3		
Sample Collected:	09/12/2006	Findings:	266.752 MG/L
Chemical:	BICARBONATE ALKALINITY		
Sample Collected:	09/12/2006	Findings:	1.248 MG/L
Chemical:	CARBONATE ALKALINITY		
Sample Collected:	09/12/2006	Findings:	350.46 MG/L
Chemical:	HARDNESS (TOTAL) AS CACO3		
Sample Collected:	09/12/2006	Findings:	72.864 MG/L
Chemical:	CALCIUM		
Sample Collected:	09/12/2006	Findings:	42.916 MG/L
Chemical:	MAGNESIUM		
Sample Collected:	09/12/2006	Findings:	51.781 MG/L
Chemical:	SODIUM		
Sample Collected:	09/12/2006	Findings:	3.912
Chemical:	SODIUM ABSORPTION RATIO		
Sample Collected:	09/12/2006	Findings:	1.548 MG/L
Chemical:	POTASSIUM		
Sample Collected:	09/12/2006	Findings:	79.46 MG/L
Chemical:	CHLORIDE		
Sample Collected:	09/12/2006	Findings:	107.792 UG/L
Chemical:	BARIUM		
Sample Collected:	09/12/2006	Findings:	10.311 UG/L
Chemical:	CHROMIUM (TOTAL)		
Sample Collected:	09/12/2006	Findings:	5.089 UG/L
Chemical:	VANADIUM		
Sample Collected:	04/11/2006	Findings:	.46 PCI/L
Chemical:	RADIUM 228 COUNTING ERROR		
Sample Collected:	01/04/2006	Findings:	25.216 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	11/17/2005	Findings:	22.453 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	07/20/2005	Findings:	25.924 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	04/20/2005	Findings:	24.555 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	01/12/2005	Findings:	27.645 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	11/18/2004	Findings:	22.087 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	07/21/2004	Findings:	23.893 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	04/01/2004	Findings:	24 MG/L
Chemical:	NITRATE (AS NO3)		

Map ID Direction Distance Elevation	Database	EDR ID Number
4 **WSW** **1/2 - 1 Mile** **Lower**	**FED USGS**	**USGS3224030**

Agency cd:	USGS	Site no:	372207121525701
Site name:	006S001E32G001M		
Latitude:	372206.5	EDR Site id:	USGS3224030
Longitude:	1215300.9	Dec lat:	37.36847222
Dec lon:	-121.88358333	Coor meth:	G
Coor accr:	5	Latlong datum:	NAD83
Dec latlong datum:	NAD83	District:	06
State:	06	County:	085
Country:	US	Land net:	Not Reported
Location map:	SAN JOSE WEST	Map scale:	24000
Altitude:	65		
Altitude method:	Interpolated from topographic map		
Altitude accuracy:	2.5		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	Not Reported		
Topographic:	Flat surface		
Site type:	Ground-water other than Spring	Date construction:	Not Reported
Date inventoried:	19990623	Mean greenwich time offset:	PST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	800	Hole depth:	800
Source of depth data:	other reported		
Project number:	470655400		
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	2001-06-25
Water quality data end date:	2001-06-25	Water quality data count:	1
Ground water data begin date:	0000-00-00	Ground water data end date:	0000-00-00
Ground water data count:	0		

Ground-water levels, Number of Measurements: 0

---

5 **WSW** **1/2 - 1 Mile** **Lower**	**CA WELLS**	**22492**

Water System Information:

Prime Station Code:	E43/027-PENITEN	User ID:	HEN
FRDS Number:	4310027005	County:	Santa Clara
District Number:	05	Station Type:	STREAM/AMBNT/MUN/INTAKE
Water Type:	Surface Water	Well Status:	Active Treated
Source Lat/Long:	372210.0 1215301.0	Precision:	100 Feet (one Second)
Source Name:	PENITENCIA WTP - TREATED		

System Number: 4310027
System Name: Santa Clara Valley Water District
Organization That Operates System:
5750 Almaden Expressway
San Jose, CA 95118
Pop Served: Unknown, Small System Connections: 25
Area Served: SANTA CLARA COUNTY

Sample Collected:	05/19/2009	Findings:	4.6 UG/L
Chemical:	VANADIUM		
Sample Collected:	05/19/2009	Findings:	63 UG/L
Chemical:	ALUMINUM		
Sample Collected:	05/19/2009	Findings:	9.7 UG/L
Chemical:	BROMODICHLORMETHANE (THM)		
Sample Collected:	05/19/2009	Findings:	3.5 UG/L
Chemical:	BROMOFORM (THM)		
Sample Collected:	05/19/2009	Findings:	12.7 UG/L
Chemical:	DIBROMOCHLOROMETHANE (THM)		
Sample Collected:	05/19/2009	Findings:	7 UG/L
Chemical:	CHLOROFORM (THM)		
Sample Collected:	05/19/2009	Findings:	24 C
Chemical:	SOURCE TEMPERATURE C		
Sample Collected:	05/19/2009	Findings:	406 US
Chemical:	SPECIFIC CONDUCTANCE		
Sample Collected:	05/19/2009	Findings:	67 MG/L
Chemical:	ALKALINITY (TOTAL) AS CACO3		
Sample Collected:	05/19/2009	Findings:	67 MG/L
Chemical:	BICARBONATE ALKALINITY		
Sample Collected:	05/19/2009	Findings:	.52 MG/L
Chemical:	AMMONIA (NH3-N)		
Sample Collected:	05/19/2009	Findings:	1.06 UG/L
Chemical:	PHOSPHATE (AS PO4)		
Sample Collected:	05/19/2009	Findings:	2.5 MG/L
Chemical:	TOTAL ORGANIC CARBON (TOC)		
Sample Collected:	05/19/2009	Findings:	94 MG/L
Chemical:	HARDNESS (TOTAL) AS CACO3		
Sample Collected:	05/19/2009	Findings:	19.8 MG/L
Chemical:	CALCIUM		
Sample Collected:	05/19/2009	Findings:	11.3 MG/L
Chemical:	MAGNESIUM		
Sample Collected:	05/19/2009	Findings:	45.6 MG/L
Chemical:	SODIUM		
Sample Collected:	05/19/2009	Findings:	2.4 MG/L
Chemical:	POTASSIUM		
Sample Collected:	05/19/2009	Findings:	50 MG/L
Chemical:	CHLORIDE		
Sample Collected:	05/19/2009	Findings:	10 MG/L
Chemical:	SILICA		
Sample Collected:	05/19/2009	Findings:	188 UG/L
Chemical:	BORON		
Sample Collected:	05/19/2009	Findings:	264 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		

Sample Collected:	05/19/2009	Findings:	4.4 UG/L
Chemical:	DICHLOROACETIC ACID (DCAA)		
Sample Collected:	05/19/2009	Findings:	.08 NTU
Chemical:	TURBIDITY, LABORATORY		
Sample Collected:	05/19/2009	Findings:	33 UG/L
Chemical:	TOTAL TRIHALOMETHANES		
Sample Collected:	05/19/2009	Findings:	2.5 UG/L
Chemical:	DIBROMOACETIC ACID (DBAA)		
Sample Collected:	05/19/2009	Findings:	1.3 UG/L
Chemical:	TRICHLOROACETIC ACID (TCAA)		
Sample Collected:	05/19/2009	Findings:	8.36 UG/L
Chemical:	BROMATE		
Sample Collected:	05/19/2009	Findings:	1.4 UG/L
Chemical:	MONOBROMOACETIC ACID (MBAA)		
Sample Collected:	05/19/2009	Findings:	10 UG/L
Chemical:	HALOACETIC ACIDS (5) (HAA5)		
Sample Collected:	02/17/2009	Findings:	307 UG/L
Chemical:	BORON		
Sample Collected:	02/17/2009	Findings:	6 UG/L
Chemical:	LITHIUM		
Sample Collected:	02/17/2009	Findings:	13.8 UG/L
Chemical:	BROMODICHLORMETHANE (THM)		
Sample Collected:	02/17/2009	Findings:	15.2 UG/L
Chemical:	BROMOFORM (THM)		
Sample Collected:	02/17/2009	Findings:	27.1 UG/L
Chemical:	DIBROMOCHLOROMETHANE (THM)		
Sample Collected:	02/17/2009	Findings:	4.9 UG/L
Chemical:	CHLOROFORM (THM)		
Sample Collected:	02/17/2009	Findings:	436 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	02/17/2009	Findings:	6 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	02/17/2009	Findings:	2 UG/L
Chemical:	DICHLOROACETIC ACID (DCAA)		
Sample Collected:	02/17/2009	Findings:	12 C
Chemical:	SOURCE TEMPERATURE C		
Sample Collected:	02/17/2009	Findings:	903 US
Chemical:	SPECIFIC CONDUCTANCE		
Sample Collected:	02/17/2009	Findings:	7.4
Chemical:	PH, LABORATORY		
Sample Collected:	02/17/2009	Findings:	90 MG/L
Chemical:	ALKALINITY (TOTAL) AS CACO3		
Sample Collected:	02/17/2009	Findings:	90 MG/L
Chemical:	BICARBONATE ALKALINITY		
Sample Collected:	02/17/2009	Findings:	.45 MG/L
Chemical:	AMMONIA (NH3-N)		
Sample Collected:	02/17/2009	Findings:	.98 UG/L
Chemical:	PHOSPHATE (AS PO4)		
Sample Collected:	02/17/2009	Findings:	2.5 MG/L
Chemical:	TOTAL ORGANIC CARBON (TOC)		

Sample Collected:	02/17/2009	Findings:	159 MG/L
Chemical:	HARDNESS (TOTAL) AS CACO3		
Sample Collected:	02/17/2009	Findings:	31.6 MG/L
Chemical:	CALCIUM		
Sample Collected:	02/17/2009	Findings:	20.8 MG/L
Chemical:	MAGNESIUM		
Sample Collected:	02/17/2009	Findings:	115 MG/L
Chemical:	SODIUM		
Sample Collected:	02/17/2009	Findings:	4.6 MG/L
Chemical:	POTASSIUM		
Sample Collected:	02/17/2009	Findings:	136 MG/L
Chemical:	CHLORIDE		
Sample Collected:	02/17/2009	Findings:	.11 MG/L
Chemical:	FLUORIDE (F) (NATURAL-SOURCE)		
Sample Collected:	02/17/2009	Findings:	14.7 MG/L
Chemical:	SILICA		
Sample Collected:	02/17/2009	Findings:	.06 NTU
Chemical:	TURBIDITY, LABORATORY		
Sample Collected:	02/17/2009	Findings:	61 UG/L
Chemical:	TOTAL TRIHALOMETHANES		
Sample Collected:	02/17/2009	Findings:	.08 MG/L
Chemical:	BROMIDE		
Sample Collected:	02/17/2009	Findings:	2 UG/L
Chemical:	HALOACETIC ACIDS (5) (HAA5)		
Sample Collected:	11/04/2008	Findings:	1.2 MG/L
Chemical:	TOTAL ORGANIC CARBON (TOC)		
Sample Collected:	11/04/2008	Findings:	98 MG/L
Chemical:	HARDNESS (TOTAL) AS CACO3		
Sample Collected:	11/04/2008	Findings:	17.7 MG/L
Chemical:	CALCIUM		
Sample Collected:	11/04/2008	Findings:	14.4 MG/L
Chemical:	MAGNESIUM		
Sample Collected:	11/04/2008	Findings:	74.8 MG/L
Chemical:	SODIUM		
Sample Collected:	11/04/2008	Findings:	3.6 MG/L
Chemical:	POTASSIUM		
Sample Collected:	11/04/2008	Findings:	91 MG/L
Chemical:	CHLORIDE		
Sample Collected:	11/04/2008	Findings:	10.5 MG/L
Chemical:	SILICA		
Sample Collected:	11/04/2008	Findings:	167 UG/L
Chemical:	BORON		
Sample Collected:	11/04/2008	Findings:	4.6 UG/L
Chemical:	VANADIUM		
Sample Collected:	11/04/2008	Findings:	292 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	11/04/2008	Findings:	.08 NTU
Chemical:	TURBIDITY, LABORATORY		
Sample Collected:	11/04/2008	Findings:	.17 MG/L
Chemical:	BROMIDE		

Sample Collected:	11/04/2008	Findings:	3.8 UG/L
Chemical:	DIBROMOACETIC ACID (DBAA)		
Sample Collected:	11/04/2008	Findings:	1.2 UG/L
Chemical:	MONOBROMOACETIC ACID (MBAA)		
Sample Collected:	11/04/2008	Findings:	5 UG/L
Chemical:	HALOACETIC ACIDS (5) (HAA5)		
Sample Collected:	11/04/2008	Findings:	18 C
Chemical:	SOURCE TEMPERATURE C		
Sample Collected:	11/04/2008	Findings:	600 US
Chemical:	SPECIFIC CONDUCTANCE		
Sample Collected:	11/04/2008	Findings:	7.7
Chemical:	PH, LABORATORY		
Sample Collected:	11/04/2008	Findings:	78 MG/L
Chemical:	ALKALINITY (TOTAL) AS CACO3		
Sample Collected:	11/04/2008	Findings:	78 MG/L
Chemical:	BICARBONATE ALKALINITY		
Sample Collected:	11/04/2008	Findings:	.47 MG/L
Chemical:	AMMONIA (NH3-N)		
Sample Collected:	11/04/2008	Findings:	1.4 UG/L
Chemical:	PHOSPHATE (AS PO4)		
Sample Collected:	08/12/2008	Findings:	.06 NTU
Chemical:	TURBIDITY, LABORATORY		
Sample Collected:	08/12/2008	Findings:	47 UG/L
Chemical:	TOTAL TRIHALOMETHANES		
Sample Collected:	08/12/2008	Findings:	.09 MG/L
Chemical:	BROMIDE		
Sample Collected:	08/12/2008	Findings:	2.8 UG/L
Chemical:	DIBROMOACETIC ACID (DBAA)		
Sample Collected:	08/12/2008	Findings:	10.6 UG/L
Chemical:	BROMATE		
Sample Collected:	08/12/2008	Findings:	120 UG/L
Chemical:	CHLORATE		
Sample Collected:	08/12/2008	Findings:	4 UG/L
Chemical:	HALOACETIC ACIDS (5) (HAA5)		
Sample Collected:	08/12/2008	Findings:	234 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	08/12/2008	Findings:	1.2 UG/L
Chemical:	DICHLOROACETIC ACID (DCAA)		
Sample Collected:	08/12/2008	Findings:	1.1 UG/L
Chemical:	PHOSPHATE (AS PO4)		
Sample Collected:	08/12/2008	Findings:	1.7 MG/L
Chemical:	TOTAL ORGANIC CARBON (TOC)		
Sample Collected:	08/12/2008	Findings:	79 MG/L
Chemical:	HARDNESS (TOTAL) AS CACO3		
Sample Collected:	08/12/2008	Findings:	13.7 MG/L
Chemical:	CALCIUM		
Sample Collected:	08/12/2008	Findings:	10.7 MG/L
Chemical:	MAGNESIUM		
Sample Collected:	08/12/2008	Findings:	50.4 MG/L
Chemical:	SODIUM		

Sample Collected:	08/12/2008	Findings:	2.7 MG/L
Chemical:	POTASSIUM		
Sample Collected:	08/12/2008	Findings:	68 MG/L
Chemical:	CHLORIDE		
Sample Collected:	08/12/2008	Findings:	13.8 MG/L
Chemical:	SILICA		
Sample Collected:	08/12/2008	Findings:	117 UG/L
Chemical:	BORON		
Sample Collected:	08/12/2008	Findings:	5.8 UG/L
Chemical:	VANADIUM		
Sample Collected:	08/12/2008	Findings:	67 UG/L
Chemical:	ALUMINUM		
Sample Collected:	08/12/2008	Findings:	13.8 UG/L
Chemical:	BROMODICHLORMETHANE (THM)		
Sample Collected:	08/12/2008	Findings:	7 UG/L
Chemical:	BROMOFORM (THM)		
Sample Collected:	08/12/2008	Findings:	17.9 UG/L
Chemical:	DIBROMOCHLOROMETHANE (THM)		
Sample Collected:	08/12/2008	Findings:	8 UG/L
Chemical:	CHLOROFORM (THM)		
Sample Collected:	08/12/2008	Findings:	24 C
Chemical:	SOURCE TEMPERATURE C		
Sample Collected:	08/12/2008	Findings:	440 US
Chemical:	SPECIFIC CONDUCTANCE		
Sample Collected:	08/12/2008	Findings:	7.8
Chemical:	PH, LABORATORY		
Sample Collected:	08/12/2008	Findings:	58 MG/L
Chemical:	ALKALINITY (TOTAL) AS CACO3		
Sample Collected:	08/12/2008	Findings:	58 MG/L
Chemical:	BICARBONATE ALKALINITY		
Sample Collected:	08/12/2008	Findings:	.45 MG/L
Chemical:	AMMONIA (NH3-N)		
Sample Collected:	06/04/2008	Findings:	12 UG/L
Chemical:	BROMODICHLORMETHANE (THM)		
Sample Collected:	06/04/2008	Findings:	3.7 UG/L
Chemical:	BROMOFORM (THM)		
Sample Collected:	06/04/2008	Findings:	11 UG/L
Chemical:	CHLOROFORM (THM)		
Sample Collected:	06/04/2008	Findings:	40 UG/L
Chemical:	TOTAL TRIHALOMETHANES		
Sample Collected:	06/04/2008	Findings:	13 UG/L
Chemical:	DIBROMOCHLOROMETHANE (THM)		
Sample Collected:	05/06/2008	Findings:	164 UG/L
Chemical:	CHLORATE		
Sample Collected:	04/09/2008	Findings:	.594 MG/L
Chemical:	PHOSPHATE, ORTHO		
Sample Collected:	04/09/2008	Findings:	154 UG/L
Chemical:	CHLORATE		
Sample Collected:	02/26/2008	Findings:	14.4 MG/L
Chemical:	SILICA		

Sample Collected:	02/26/2008	Findings:	184 UG/L
Chemical:	BORON		
Sample Collected:	02/26/2008	Findings:	10.4 UG/L
Chemical:	BROMODICHLORMETHANE (THM)		
Sample Collected:	02/26/2008	Findings:	2.2 UG/L
Chemical:	BROMOFORM (THM)		
Sample Collected:	02/26/2008	Findings:	9.5 UG/L
Chemical:	DIBROMOCHLOROMETHANE (THM)		
Sample Collected:	02/26/2008	Findings:	10.1 UG/L
Chemical:	CHLOROFORM (THM)		
Sample Collected:	02/26/2008	Findings:	262 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	02/26/2008	Findings:	5.4 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	02/26/2008	Findings:	7.4 UG/L
Chemical:	DICHLOROACETIC ACID (DCAA)		
Sample Collected:	02/26/2008	Findings:	12 C
Chemical:	SOURCE TEMPERATURE C		
Sample Collected:	02/26/2008	Findings:	470 US
Chemical:	SPECIFIC CONDUCTANCE		
Sample Collected:	02/26/2008	Findings:	7.6
Chemical:	PH, LABORATORY		
Sample Collected:	02/26/2008	Findings:	93 MG/L
Chemical:	ALKALINITY (TOTAL) AS CACO3		
Sample Collected:	02/26/2008	Findings:	93 MG/L
Chemical:	BICARBONATE ALKALINITY		
Sample Collected:	02/26/2008	Findings:	.06 MG/L
Chemical:	AMMONIA (NH3-N)		
Sample Collected:	02/26/2008	Findings:	1.19 UG/L
Chemical:	PHOSPHATE (AS PO4)		
Sample Collected:	02/26/2008	Findings:	3.4 MG/L
Chemical:	TOTAL ORGANIC CARBON (TOC)		
Sample Collected:	02/26/2008	Findings:	126 MG/L
Chemical:	HARDNESS (TOTAL) AS CACO3		
Sample Collected:	02/26/2008	Findings:	27.5 MG/L
Chemical:	CALCIUM		
Sample Collected:	02/26/2008	Findings:	15.7 MG/L
Chemical:	MAGNESIUM		
Sample Collected:	02/26/2008	Findings:	42 MG/L
Chemical:	SODIUM		
Sample Collected:	02/26/2008	Findings:	2.9 MG/L
Chemical:	POTASSIUM		
Sample Collected:	02/26/2008	Findings:	43 MG/L
Chemical:	CHLORIDE		
Sample Collected:	02/26/2008	Findings:	.09 NTU
Chemical:	TURBIDITY, LABORATORY		
Sample Collected:	02/26/2008	Findings:	32 UG/L
Chemical:	TOTAL TRIHALOMETHANES		
Sample Collected:	02/26/2008	Findings:	4.9 UG/L
Chemical:	DIBROMOACETIC ACID (DBAA)		

Sample Collected:	02/26/2008	Findings:	6.5 UG/L
Chemical:	TRICHLOROACETIC ACID (TCAA)		
Sample Collected:	02/26/2008	Findings:	98 UG/L
Chemical:	CHLORATE		
Sample Collected:	02/26/2008	Findings:	19 UG/L
Chemical:	HALOACETIC ACIDS (5) (HAA5)		
Sample Collected:	11/06/2007	Findings:	548 US
Chemical:	SPECIFIC CONDUCTANCE		
Sample Collected:	11/06/2007	Findings:	7.6
Chemical:	PH, LABORATORY		
Sample Collected:	11/06/2007	Findings:	64 MG/L
Chemical:	ALKALINITY (TOTAL) AS CACO3		
Sample Collected:	11/06/2007	Findings:	64 MG/L
Chemical:	BICARBONATE ALKALINITY		
Sample Collected:	11/06/2007	Findings:	1.4 UG/L
Chemical:	PHOSPHATE (AS PO4)		
Sample Collected:	11/06/2007	Findings:	1.1 MG/L
Chemical:	TOTAL ORGANIC CARBON (TOC)		
Sample Collected:	11/06/2007	Findings:	89 MG/L
Chemical:	HARDNESS (TOTAL) AS CACO3		
Sample Collected:	11/06/2007	Findings:	17.5 MG/L
Chemical:	CALCIUM		
Sample Collected:	11/06/2007	Findings:	12.9 MG/L
Chemical:	MAGNESIUM		
Sample Collected:	11/06/2007	Findings:	70.2 MG/L
Chemical:	SODIUM		
Sample Collected:	11/06/2007	Findings:	3.4 MG/L
Chemical:	POTASSIUM		
Sample Collected:	11/06/2007	Findings:	90 MG/L
Chemical:	CHLORIDE		
Sample Collected:	11/06/2007	Findings:	.11 MG/L
Chemical:	FLUORIDE (F) (NATURAL-SOURCE)		
Sample Collected:	11/06/2007	Findings:	12 MG/L
Chemical:	SILICA		
Sample Collected:	11/06/2007	Findings:	130 UG/L
Chemical:	BORON		
Sample Collected:	11/06/2007	Findings:	13.8 UG/L
Chemical:	BROMODICHLORMETHANE (THM)		
Sample Collected:	11/06/2007	Findings:	12.3 UG/L
Chemical:	BROMOFORM (THM)		
Sample Collected:	11/06/2007	Findings:	22.2 UG/L
Chemical:	DIBROMOCHLOROMETHANE (THM)		
Sample Collected:	11/06/2007	Findings:	5.6 UG/L
Chemical:	CHLOROFORM (THM)		
Sample Collected:	11/06/2007	Findings:	272 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	11/06/2007	Findings:	2.8 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	11/06/2007	Findings:	18 C
Chemical:	SOURCE TEMPERATURE C		

Sample Collected:	11/06/2007	Findings:	1.5 UG/L
Chemical:	DICHLOROACETIC ACID (DCAA)		
Sample Collected:	11/06/2007	Findings:	.05 NTU
Chemical:	TURBIDITY, LABORATORY		
Sample Collected:	11/06/2007	Findings:	54 UG/L
Chemical:	TOTAL TRIHALOMETHANES		
Sample Collected:	11/06/2007	Findings:	.1 MG/L
Chemical:	BROMIDE		
Sample Collected:	11/06/2007	Findings:	2.5 UG/L
Chemical:	DIBROMOACETIC ACID (DBAA)		
Sample Collected:	11/06/2007	Findings:	220 UG/L
Chemical:	CHLORATE		
Sample Collected:	11/06/2007	Findings:	4 UG/L
Chemical:	HALOACETIC ACIDS (5) (HAA5)		
Sample Collected:	08/07/2007	Findings:	120 UG/L
Chemical:	CHLORATE		
Sample Collected:	08/07/2007	Findings:	6 UG/L
Chemical:	HALOACETIC ACIDS (5) (HAA5)		
Sample Collected:	08/07/2007	Findings:	218 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	08/07/2007	Findings:	2.4 UG/L
Chemical:	DICHLOROACETIC ACID (DCAA)		
Sample Collected:	08/07/2007	Findings:	.07 NTU
Chemical:	TURBIDITY, LABORATORY		
Sample Collected:	08/07/2007	Findings:	20 UG/L
Chemical:	TOTAL TRIHALOMETHANES		
Sample Collected:	08/07/2007	Findings:	.13 MG/L
Chemical:	BROMIDE		
Sample Collected:	08/07/2007	Findings:	3.4 UG/L
Chemical:	DIBROMOACETIC ACID (DBAA)		
Sample Collected:	08/07/2007	Findings:	3.8 UG/L
Chemical:	VANADIUM		
Sample Collected:	08/07/2007	Findings:	5.1 UG/L
Chemical:	BROMODICHLORMETHANE (THM)		
Sample Collected:	08/07/2007	Findings:	3.5 UG/L
Chemical:	BROMOFORM (THM)		
Sample Collected:	08/07/2007	Findings:	7.7 UG/L
Chemical:	DIBROMOCHLOROMETHANE (THM)		
Sample Collected:	08/07/2007	Findings:	3.4 UG/L
Chemical:	CHLOROFORM (THM)		
Sample Collected:	08/07/2007	Findings:	23 C
Chemical:	SOURCE TEMPERATURE C		
Sample Collected:	08/07/2007	Findings:	433 US
Chemical:	SPECIFIC CONDUCTANCE		
Sample Collected:	08/07/2007	Findings:	7.4
Chemical:	PH, LABORATORY		
Sample Collected:	08/07/2007	Findings:	54 MG/L
Chemical:	ALKALINITY (TOTAL) AS CACO3		
Sample Collected:	08/07/2007	Findings:	54 MG/L
Chemical:	BICARBONATE ALKALINITY		

Sample Collected:	08/07/2007	Findings:	.09 MG/L
Chemical:	AMMONIA (NH3-N)		
Sample Collected:	08/07/2007	Findings:	1.26 UG/L
Chemical:	PHOSPHATE (AS PO4)		
Sample Collected:	08/07/2007	Findings:	1.3 MG/L
Chemical:	TOTAL ORGANIC CARBON (TOC)		
Sample Collected:	08/07/2007	Findings:	73 MG/L
Chemical:	HARDNESS (TOTAL) AS CACO3		
Sample Collected:	08/07/2007	Findings:	13.6 MG/L
Chemical:	CALCIUM		
Sample Collected:	08/07/2007	Findings:	11 MG/L
Chemical:	MAGNESIUM		
Sample Collected:	08/07/2007	Findings:	54.5 MG/L
Chemical:	SODIUM		
Sample Collected:	08/07/2007	Findings:	3 MG/L
Chemical:	POTASSIUM		
Sample Collected:	08/07/2007	Findings:	71 MG/L
Chemical:	CHLORIDE		
Sample Collected:	08/07/2007	Findings:	13.2 MG/L
Chemical:	SILICA		
Sample Collected:	05/08/2007	Findings:	3.4 UG/L
Chemical:	VANADIUM		
Sample Collected:	05/08/2007	Findings:	8.7 UG/L
Chemical:	BROMODICHLORMETHANE (THM)		
Sample Collected:	05/08/2007	Findings:	3.8 UG/L
Chemical:	BROMOFORM (THM)		
Sample Collected:	05/08/2007	Findings:	9.3 UG/L
Chemical:	DIBROMOCHLOROMETHANE (THM)		
Sample Collected:	05/08/2007	Findings:	8.2 UG/L
Chemical:	CHLOROFORM (THM)		
Sample Collected:	05/08/2007	Findings:	240 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	05/08/2007	Findings:	2.2 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	05/08/2007	Findings:	2.7 UG/L
Chemical:	DICHLOROACETIC ACID (DCAA)		
Sample Collected:	05/08/2007	Findings:	22 C
Chemical:	SOURCE TEMPERATURE C		
Sample Collected:	05/08/2007	Findings:	357 US
Chemical:	SPECIFIC CONDUCTANCE		
Sample Collected:	05/08/2007	Findings:	7.6
Chemical:	PH, LABORATORY		
Sample Collected:	05/08/2007	Findings:	61 MG/L
Chemical:	ALKALINITY (TOTAL) AS CACO3		
Sample Collected:	05/08/2007	Findings:	61 MG/L
Chemical:	BICARBONATE ALKALINITY		
Sample Collected:	05/08/2007	Findings:	.08 MG/L
Chemical:	AMMONIA (NH3-N)		
Sample Collected:	05/08/2007	Findings:	1.08 UG/L
Chemical:	PHOSPHATE (AS PO4)		

Sample Collected:	05/08/2007	Findings:	2.3 MG/L
Chemical:	TOTAL ORGANIC CARBON (TOC)		
Sample Collected:	05/08/2007	Findings:	82 MG/L
Chemical:	HARDNESS (TOTAL) AS CACO3		
Sample Collected:	05/08/2007	Findings:	15 MG/L
Chemical:	CALCIUM		
Sample Collected:	05/08/2007	Findings:	9.2 MG/L
Chemical:	MAGNESIUM		
Sample Collected:	05/08/2007	Findings:	36.2 MG/L
Chemical:	SODIUM		
Sample Collected:	05/08/2007	Findings:	1.9 MG/L
Chemical:	POTASSIUM		
Sample Collected:	05/08/2007	Findings:	34 MG/L
Chemical:	CHLORIDE		
Sample Collected:	05/08/2007	Findings:	8.4 MG/L
Chemical:	SILICA		
Sample Collected:	05/08/2007	Findings:	155 UG/L
Chemical:	BORON		
Sample Collected:	05/08/2007	Findings:	.06 NTU
Chemical:	TURBIDITY, LABORATORY		
Sample Collected:	05/08/2007	Findings:	30 UG/L
Chemical:	TOTAL TRIHALOMETHANES		
Sample Collected:	05/08/2007	Findings:	.06 MG/L
Chemical:	BROMIDE		
Sample Collected:	05/08/2007	Findings:	1.5 UG/L
Chemical:	DIBROMOACETIC ACID (DBAA)		
Sample Collected:	05/08/2007	Findings:	1.1 UG/L
Chemical:	TRICHLOROACETIC ACID (TCAA)		
Sample Collected:	05/08/2007	Findings:	97 UG/L
Chemical:	CHLORATE		
Sample Collected:	05/08/2007	Findings:	5 UG/L
Chemical:	HALOACETIC ACIDS (5) (HAA5)		
Sample Collected:	02/06/2007	Findings:	13 C
Chemical:	SOURCE TEMPERATURE C		
Sample Collected:	02/06/2007	Findings:	532 US
Chemical:	SPECIFIC CONDUCTANCE		
Sample Collected:	02/06/2007	Findings:	7.4
Chemical:	PH, LABORATORY		
Sample Collected:	02/06/2007	Findings:	73 MG/L
Chemical:	ALKALINITY (TOTAL) AS CACO3		
Sample Collected:	02/06/2007	Findings:	73 MG/L
Chemical:	BICARBONATE ALKALINITY		
Sample Collected:	02/06/2007	Findings:	.12 MG/L
Chemical:	AMMONIA (NH3-N)		
Sample Collected:	02/06/2007	Findings:	1.03 UG/L
Chemical:	PHOSPHATE (AS PO4)		
Sample Collected:	02/06/2007	Findings:	1.9 MG/L
Chemical:	TOTAL ORGANIC CARBON (TOC)		
Sample Collected:	02/06/2007	Findings:	105 MG/L
Chemical:	HARDNESS (TOTAL) AS CACO3		

Sample Collected:	02/06/2007	Findings:	20 MG/L
Chemical:	CALCIUM		
Sample Collected:	02/06/2007	Findings:	12.7 MG/L
Chemical:	MAGNESIUM		
Sample Collected:	02/06/2007	Findings:	59.8 MG/L
Chemical:	SODIUM		
Sample Collected:	02/06/2007	Findings:	3 MG/L
Chemical:	POTASSIUM		
Sample Collected:	02/06/2007	Findings:	76 MG/L
Chemical:	CHLORIDE		
Sample Collected:	02/06/2007	Findings:	14 MG/L
Chemical:	SILICA		
Sample Collected:	02/06/2007	Findings:	156 UG/L
Chemical:	BORON		
Sample Collected:	02/06/2007	Findings:	7.4 UG/L
Chemical:	BROMODICHLORMETHANE (THM)		
Sample Collected:	02/06/2007	Findings:	5.5 UG/L
Chemical:	BROMOFORM (THM)		
Sample Collected:	02/06/2007	Findings:	11.5 UG/L
Chemical:	DIBROMOCHLOROMETHANE (THM)		
Sample Collected:	02/06/2007	Findings:	3.8 UG/L
Chemical:	CHLOROFORM (THM)		
Sample Collected:	02/06/2007	Findings:	270 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	02/06/2007	Findings:	3.8 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	02/06/2007	Findings:	1.7 UG/L
Chemical:	DICHLOROACETIC ACID (DCAA)		
Sample Collected:	02/06/2007	Findings:	.04 NTU
Chemical:	TURBIDITY, LABORATORY		
Sample Collected:	02/06/2007	Findings:	43.5 UG/L
Chemical:	TOTAL TRIHALOMETHANES		
Sample Collected:	02/06/2007	Findings:	.14 MG/L
Chemical:	BROMIDE		
Sample Collected:	02/06/2007	Findings:	4.2 UG/L
Chemical:	DIBROMOACETIC ACID (DBAA)		
Sample Collected:	02/06/2007	Findings:	95 UG/L
Chemical:	CHLORATE		
Sample Collected:	02/06/2007	Findings:	5.9 UG/L
Chemical:	HALOACETIC ACIDS (5) (HAA5)		
Sample Collected:	11/14/2006	Findings:	142 UG/L
Chemical:	BORON		
Sample Collected:	11/14/2006	Findings:	52 UG/L
Chemical:	ALUMINUM		
Sample Collected:	11/14/2006	Findings:	13.5 UG/L
Chemical:	BROMODICHLORMETHANE (THM)		
Sample Collected:	11/14/2006	Findings:	8.3 UG/L
Chemical:	DIBROMOCHLOROMETHANE (THM)		
Sample Collected:	11/14/2006	Findings:	16.8 UG/L
Chemical:	CHLOROFORM (THM)		

Sample Collected:	11/14/2006	Findings:	238 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	11/14/2006	Findings:	3 UG/L
Chemical:	DICHLOROACETIC ACID (DCAA)		
Sample Collected:	11/14/2006	Findings:	17 C
Chemical:	SOURCE TEMPERATURE C		
Sample Collected:	11/14/2006	Findings:	427 US
Chemical:	SPECIFIC CONDUCTANCE		
Sample Collected:	11/14/2006	Findings:	7.6
Chemical:	PH, LABORATORY		
Sample Collected:	11/14/2006	Findings:	94 MG/L
Chemical:	ALKALINITY (TOTAL) AS CACO3		
Sample Collected:	11/14/2006	Findings:	94 MG/L
Chemical:	BICARBONATE ALKALINITY		
Sample Collected:	11/14/2006	Findings:	.08 MG/L
Chemical:	AMMONIA (NH3-N)		
Sample Collected:	11/14/2006	Findings:	1.12 UG/L
Chemical:	PHOSPHATE (AS PO4)		
Sample Collected:	11/14/2006	Findings:	1.8 MG/L
Chemical:	TOTAL ORGANIC CARBON (TOC)		
Sample Collected:	11/14/2006	Findings:	111 MG/L
Chemical:	HARDNESS (TOTAL) AS CACO3		
Sample Collected:	11/14/2006	Findings:	27.4 MG/L
Chemical:	CALCIUM		
Sample Collected:	11/14/2006	Findings:	16.2 MG/L
Chemical:	MAGNESIUM		
Sample Collected:	11/14/2006	Findings:	38.9 MG/L
Chemical:	SODIUM		
Sample Collected:	11/14/2006	Findings:	2.5 MG/L
Chemical:	POTASSIUM		
Sample Collected:	11/14/2006	Findings:	41 MG/L
Chemical:	CHLORIDE		
Sample Collected:	11/14/2006	Findings:	12.1 MG/L
Chemical:	SILICA		
Sample Collected:	11/14/2006	Findings:	.07 NTU
Chemical:	TURBIDITY, LABORATORY		
Sample Collected:	11/14/2006	Findings:	1.4 UG/L
Chemical:	DIBROMOACETIC ACID (DBAA)		
Sample Collected:	11/14/2006	Findings:	1.8 UG/L
Chemical:	TRICHLOROACETIC ACID (TCAA)		
Sample Collected:	11/14/2006	Findings:	107 UG/L
Chemical:	CHLORATE		
Sample Collected:	11/14/2006	Findings:	6.2 UG/L
Chemical:	HALOACETIC ACIDS (5) (HAA5)		
Sample Collected:	08/08/2006	Findings:	18 MG/L
Chemical:	CHLORIDE		
Sample Collected:	08/08/2006	Findings:	12.3 MG/L
Chemical:	SILICA		
Sample Collected:	08/08/2006	Findings:	3.8 UG/L
Chemical:	VANADIUM		

Sample Collected:	08/08/2006	Findings:	218 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	08/08/2006	Findings:	.06 NTU
Chemical:	TURBIDITY, LABORATORY		
Sample Collected:	08/08/2006	Findings:	150 UG/L
Chemical:	CHLORATE		
Sample Collected:	08/08/2006	Findings:	24 C
Chemical:	SOURCE TEMPERATURE C		
Sample Collected:	08/08/2006	Findings:	254 US
Chemical:	SPECIFIC CONDUCTANCE		
Sample Collected:	08/08/2006	Findings:	7.6
Chemical:	PH, LABORATORY		
Sample Collected:	08/08/2006	Findings:	52 MG/L
Chemical:	ALKALINITY (TOTAL) AS CACO3		
Sample Collected:	08/08/2006	Findings:	52 MG/L
Chemical:	BICARBONATE ALKALINITY		
Sample Collected:	08/08/2006	Findings:	.14 MG/L
Chemical:	AMMONIA (NH3-N)		
Sample Collected:	08/08/2006	Findings:	1 UG/L
Chemical:	PHOSPHATE (AS PO4)		
Sample Collected:	08/08/2006	Findings:	.82 MG/L
Chemical:	TOTAL ORGANIC CARBON (TOC)		
Sample Collected:	08/08/2006	Findings:	59 MG/L
Chemical:	HARDNESS (TOTAL) AS CACO3		
Sample Collected:	08/08/2006	Findings:	13.1 MG/L
Chemical:	CALCIUM		
Sample Collected:	08/08/2006	Findings:	7.7 MG/L
Chemical:	MAGNESIUM		
Sample Collected:	08/08/2006	Findings:	24.7 MG/L
Chemical:	SODIUM		
Sample Collected:	08/08/2006	Findings:	1.6 MG/L
Chemical:	POTASSIUM		
Sample Collected:	05/09/2006	Findings:	20 C
Chemical:	SOURCE TEMPERATURE C		
Sample Collected:	05/09/2006	Findings:	199 US
Chemical:	SPECIFIC CONDUCTANCE		
Sample Collected:	05/09/2006	Findings:	7.1
Chemical:	PH, LABORATORY		
Sample Collected:	05/09/2006	Findings:	49 MG/L
Chemical:	ALKALINITY (TOTAL) AS CACO3		
Sample Collected:	05/09/2006	Findings:	49 MG/L
Chemical:	BICARBONATE ALKALINITY		
Sample Collected:	05/09/2006	Findings:	1.1 MG/L
Chemical:	PHOSPHATE, ORTHO		
Sample Collected:	05/09/2006	Findings:	2 MG/L
Chemical:	TOTAL ORGANIC CARBON (TOC)		
Sample Collected:	05/09/2006	Findings:	52 MG/L
Chemical:	HARDNESS (TOTAL) AS CACO3		
Sample Collected:	05/09/2006	Findings:	12.7 MG/L
Chemical:	CALCIUM		

Sample Collected:	05/09/2006	Findings:	6.3 MG/L
Chemical:	MAGNESIUM		
Sample Collected:	05/09/2006	Findings:	16.9 MG/L
Chemical:	SODIUM		
Sample Collected:	05/09/2006	Findings:	1.5 MG/L
Chemical:	POTASSIUM		
Sample Collected:	05/09/2006	Findings:	9 MG/L
Chemical:	CHLORIDE		
Sample Collected:	05/09/2006	Findings:	6.7 MG/L
Chemical:	SILICA		
Sample Collected:	05/09/2006	Findings:	102 UG/L
Chemical:	BORON		
Sample Collected:	05/09/2006	Findings:	114 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	05/09/2006	Findings:	.06 NTU
Chemical:	TURBIDITY, LABORATORY		
Sample Collected:	05/09/2006	Findings:	190 UG/L
Chemical:	CHLORATE		
Sample Collected:	05/09/2006	Findings:	.92 PCI/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	02/07/2006	Findings:	15 C
Chemical:	SOURCE TEMPERATURE C		
Sample Collected:	02/07/2006	Findings:	388 US
Chemical:	SPECIFIC CONDUCTANCE		
Sample Collected:	02/07/2006	Findings:	7.3
Chemical:	PH, LABORATORY		
Sample Collected:	02/07/2006	Findings:	50 MG/L
Chemical:	ALKALINITY (TOTAL) AS CACO3		
Sample Collected:	02/07/2006	Findings:	50 MG/L
Chemical:	BICARBONATE ALKALINITY		
Sample Collected:	02/07/2006	Findings:	.5 MG/L
Chemical:	AMMONIA (NH3-N)		
Sample Collected:	02/07/2006	Findings:	1.04 MG/L
Chemical:	PHOSPHATE, ORTHO		
Sample Collected:	02/07/2006	Findings:	2.2 MG/L
Chemical:	TOTAL ORGANIC CARBON (TOC)		
Sample Collected:	02/07/2006	Findings:	79 MG/L
Chemical:	HARDNESS (TOTAL) AS CACO3		
Sample Collected:	02/07/2006	Findings:	17.9 MG/L
Chemical:	CALCIUM		
Sample Collected:	02/07/2006	Findings:	9.5 MG/L
Chemical:	MAGNESIUM		
Sample Collected:	02/07/2006	Findings:	45.8 MG/L
Chemical:	SODIUM		
Sample Collected:	02/07/2006	Findings:	2 MG/L
Chemical:	POTASSIUM		
Sample Collected:	02/07/2006	Findings:	48 MG/L
Chemical:	CHLORIDE		
Sample Collected:	02/07/2006	Findings:	.12 MG/L
Chemical:	FLUORIDE (F) (NATURAL-SOURCE)		

Sample Collected:	02/07/2006	Findings:	12.4 MG/L
Chemical:	SILICA		
Sample Collected:	02/07/2006	Findings:	.05 NTU
Chemical:	TURBIDITY, LABORATORY		
Sample Collected:	02/07/2006	Findings:	50.8 UG/L
Chemical:	TOTAL TRIHALOMETHANES		
Sample Collected:	02/07/2006	Findings:	6 UG/L
Chemical:	TRICHLOROACETIC ACID (TCAA)		
Sample Collected:	02/07/2006	Findings:	206 UG/L
Chemical:	BORON		
Sample Collected:	02/07/2006	Findings:	17.4 UG/L
Chemical:	BROMODICHLORMETHANE (THM)		
Sample Collected:	02/07/2006	Findings:	1.9 UG/L
Chemical:	BROMOFORM (THM)		
Sample Collected:	02/07/2006	Findings:	9.7 UG/L
Chemical:	DIBROMOCHLOROMETHANE (THM)		
Sample Collected:	02/07/2006	Findings:	21.8 UG/L
Chemical:	CHLOROFORM (THM)		
Sample Collected:	02/07/2006	Findings:	858 UG/L
Chemical:	NITRATE + NITRITE (AS N)		
Sample Collected:	02/07/2006	Findings:	220 UG/L
Chemical:	CHLORATE		
Sample Collected:	02/07/2006	Findings:	10 UG/L
Chemical:	HALOACETIC ACIDS (5) (HAA5)		
Sample Collected:	02/07/2006	Findings:	450 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	02/07/2006	Findings:	3.8 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	02/07/2006	Findings:	4 UG/L
Chemical:	DICHLOROACETIC ACID (DCAA)		
Sample Collected:	11/15/2005	Findings:	1.5 PCI/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	11/15/2005	Findings:	.83 PCI/L
Chemical:	RADIUM 228 COUNTING ERROR		
Sample Collected:	11/08/2005	Findings:	15.7 UG/L
Chemical:	BROMODICHLORMETHANE (THM)		
Sample Collected:	11/08/2005	Findings:	1.3 UG/L
Chemical:	BROMOFORM (THM)		
Sample Collected:	11/08/2005	Findings:	9.9 UG/L
Chemical:	DIBROMOCHLOROMETHANE (THM)		
Sample Collected:	11/08/2005	Findings:	15.2 UG/L
Chemical:	CHLOROFORM (THM)		
Sample Collected:	11/08/2005	Findings:	18 C
Chemical:	SOURCE TEMPERATURE C		
Sample Collected:	11/08/2005	Findings:	404 US
Chemical:	SPECIFIC CONDUCTANCE		
Sample Collected:	11/08/2005	Findings:	3 UG/L
Chemical:	DICHLOROACETIC ACID (DCAA)		
Sample Collected:	11/08/2005	Findings:	.05 NTU
Chemical:	TURBIDITY, LABORATORY		

Sample Collected:	11/08/2005	Findings:	42.1 UG/L
Chemical:	TOTAL TRIHALOMETHANES		
Sample Collected:	11/08/2005	Findings:	4 UG/L
Chemical:	TRICHLOROACETIC ACID (TCAA)		
Sample Collected:	11/08/2005	Findings:	7.6
Chemical:	PH, LABORATORY		
Sample Collected:	11/08/2005	Findings:	95 MG/L
Chemical:	ALKALINITY (TOTAL) AS CACO3		
Sample Collected:	11/08/2005	Findings:	95 MG/L
Chemical:	BICARBONATE ALKALINITY		
Sample Collected:	11/08/2005	Findings:	1.47 MG/L
Chemical:	PHOSPHATE, ORTHO		
Sample Collected:	11/08/2005	Findings:	1.9 MG/L
Chemical:	TOTAL ORGANIC CARBON (TOC)		
Sample Collected:	11/08/2005	Findings:	113 MG/L
Chemical:	HARDNESS (TOTAL) AS CACO3		
Sample Collected:	11/08/2005	Findings:	23.5 MG/L
Chemical:	CALCIUM		
Sample Collected:	11/08/2005	Findings:	14.5 MG/L
Chemical:	MAGNESIUM		
Sample Collected:	11/08/2005	Findings:	36 MG/L
Chemical:	SODIUM		
Sample Collected:	11/08/2005	Findings:	2.2 MG/L
Chemical:	POTASSIUM		
Sample Collected:	11/08/2005	Findings:	45 MG/L
Chemical:	CHLORIDE		
Sample Collected:	11/08/2005	Findings:	11.5 MG/L
Chemical:	SILICA		
Sample Collected:	11/08/2005	Findings:	124 UG/L
Chemical:	BORON		
Sample Collected:	11/08/2005	Findings:	230 UG/L
Chemical:	CHLORATE		
Sample Collected:	11/08/2005	Findings:	8 UG/L
Chemical:	HALOACETIC ACIDS (5) (HAA5)		
Sample Collected:	11/08/2005	Findings:	238 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	08/09/2005	Findings:	.06 NTU
Chemical:	TURBIDITY, LABORATORY		
Sample Collected:	08/09/2005	Findings:	50.4 UG/L
Chemical:	TOTAL TRIHALOMETHANES		
Sample Collected:	08/09/2005	Findings:	3 UG/L
Chemical:	TRICHLOROACETIC ACID (TCAA)		
Sample Collected:	08/09/2005	Findings:	190 UG/L
Chemical:	CHLORATE		
Sample Collected:	08/09/2005	Findings:	6 UG/L
Chemical:	HALOACETIC ACIDS (5) (HAA5)		
Sample Collected:	08/09/2005	Findings:	.96 PCI/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	08/09/2005	Findings:	.43 PCI/L
Chemical:	RADIUM 228 COUNTING ERROR		

Sample Collected:	08/09/2005	Findings:	16 UG/L
Chemical:	BROMODICHLORMETHANE (THM)		
Sample Collected:	08/09/2005	Findings:	5.6 UG/L
Chemical:	DIBROMOCHLOROMETHANE (THM)		
Sample Collected:	08/09/2005	Findings:	28.8 UG/L
Chemical:	CHLOROFORM (THM)		
Sample Collected:	08/09/2005	Findings:	138 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	08/09/2005	Findings:	3 UG/L
Chemical:	DICHLOROACETIC ACID (DCAA)		
Sample Collected:	08/09/2005	Findings:	26 C
Chemical:	SOURCE TEMPERATURE C		
Sample Collected:	08/09/2005	Findings:	264 US
Chemical:	SPECIFIC CONDUCTANCE		
Sample Collected:	08/09/2005	Findings:	7
Chemical:	PH, LABORATORY		
Sample Collected:	08/09/2005	Findings:	59 MG/L
Chemical:	ALKALINITY (TOTAL) AS CACO3		
Sample Collected:	08/09/2005	Findings:	59 MG/L
Chemical:	BICARBONATE ALKALINITY		
Sample Collected:	08/09/2005	Findings:	.1 MG/L
Chemical:	AMMONIA (NH3-N)		
Sample Collected:	08/09/2005	Findings:	1.24 MG/L
Chemical:	PHOSPHATE, ORTHO		
Sample Collected:	08/09/2005	Findings:	1.2 MG/L
Chemical:	TOTAL ORGANIC CARBON (TOC)		
Sample Collected:	08/09/2005	Findings:	62 MG/L
Chemical:	HARDNESS (TOTAL) AS CACO3		
Sample Collected:	08/09/2005	Findings:	13.6 MG/L
Chemical:	CALCIUM		
Sample Collected:	08/09/2005	Findings:	7.4 MG/L
Chemical:	MAGNESIUM		
Sample Collected:	08/09/2005	Findings:	25.9 MG/L
Chemical:	SODIUM		
Sample Collected:	08/09/2005	Findings:	1.6 MG/L
Chemical:	POTASSIUM		
Sample Collected:	08/09/2005	Findings:	25 MG/L
Chemical:	CHLORIDE		
Sample Collected:	08/09/2005	Findings:	13.5 MG/L
Chemical:	SILICA		
Sample Collected:	08/09/2005	Findings:	4.5 UG/L
Chemical:	VANADIUM		
Sample Collected:	05/10/2005	Findings:	3.1 UG/L
Chemical:	DICHLOROACETIC ACID (DCAA)		
Sample Collected:	05/10/2005	Findings:	15 UG/L
Chemical:	BROMODICHLORMETHANE (THM)		
Sample Collected:	05/10/2005	Findings:	5.4 UG/L
Chemical:	DIBROMOCHLOROMETHANE (THM)		
Sample Collected:	05/10/2005	Findings:	24 UG/L
Chemical:	CHLOROFORM (THM)		

Sample Collected:	05/10/2005	Findings:	1.6 MG/L
Chemical:	POTASSIUM		
Sample Collected:	05/10/2005	Findings:	38 MG/L
Chemical:	CHLORIDE		
Sample Collected:	05/10/2005	Findings:	10.1 MG/L
Chemical:	SILICA		
Sample Collected:	05/10/2005	Findings:	184 UG/L
Chemical:	BORON		
Sample Collected:	05/10/2005	Findings:	218 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	05/10/2005	Findings:	.06 NTU
Chemical:	TURBIDITY, LABORATORY		
Sample Collected:	05/10/2005	Findings:	110 UG/L
Chemical:	CHLORATE		
Sample Collected:	05/10/2005	Findings:	1.1 PCI/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	05/10/2005	Findings:	45 UG/L
Chemical:	TOTAL TRIHALOMETHANES		
Sample Collected:	05/10/2005	Findings:	1.2 UG/L
Chemical:	DIBROMOACETIC ACID (DBAA)		
Sample Collected:	05/10/2005	Findings:	6.8 UG/L
Chemical:	TRICHLOROACETIC ACID (TCAA)		
Sample Collected:	05/10/2005	Findings:	1.3 UG/L
Chemical:	BROMOCHLOROACETIC ACID (BCAA)		
Sample Collected:	05/10/2005	Findings:	11.1 UG/L
Chemical:	HALOACETIC ACIDS (5) (HAA5)		
Sample Collected:	05/10/2005	Findings:	19 C
Chemical:	SOURCE TEMPERATURE C		
Sample Collected:	05/10/2005	Findings:	337 US
Chemical:	SPECIFIC CONDUCTANCE		
Sample Collected:	05/10/2005	Findings:	7.3
Chemical:	PH, LABORATORY		
Sample Collected:	05/10/2005	Findings:	54 MG/L
Chemical:	ALKALINITY (TOTAL) AS CACO3		
Sample Collected:	05/10/2005	Findings:	54 MG/L
Chemical:	BICARBONATE ALKALINITY		
Sample Collected:	05/10/2005	Findings:	.11 MG/L
Chemical:	AMMONIA (NH3-N)		
Sample Collected:	05/10/2005	Findings:	1.05 MG/L
Chemical:	PHOSPHATE, ORTHO		
Sample Collected:	05/10/2005	Findings:	1.6 MG/L
Chemical:	TOTAL ORGANIC CARBON (TOC)		
Sample Collected:	05/10/2005	Findings:	77 MG/L
Chemical:	HARDNESS (TOTAL) AS CACO3		
Sample Collected:	05/10/2005	Findings:	15.9 MG/L
Chemical:	CALCIUM		
Sample Collected:	05/10/2005	Findings:	8.5 MG/L
Chemical:	MAGNESIUM		
Sample Collected:	05/10/2005	Findings:	33.6 MG/L
Chemical:	SODIUM		

Sample Collected:	02/08/2005	Findings:	13 UG/L
Chemical:	CHLOROFORM (THM)		
Sample Collected:	02/08/2005	Findings:	14 UG/L
Chemical:	DICHLOROACETIC ACID (DCAA)		
Sample Collected:	02/08/2005	Findings:	19 UG/L
Chemical:	TOTAL TRIHALOMETHANES		
Sample Collected:	02/08/2005	Findings:	1.4 UG/L
Chemical:	DIBROMOACETIC ACID (DBAA)		
Sample Collected:	02/08/2005	Findings:	12.5 UG/L
Chemical:	TRICHLOROACETIC ACID (TCAA)		
Sample Collected:	02/08/2005	Findings:	1.8 UG/L
Chemical:	BROMOCHLOROACETIC ACID (BCAA)		
Sample Collected:	02/08/2005	Findings:	27.9 UG/L
Chemical:	HALOACETIC ACIDS (5) (HAA5)		
Sample Collected:	02/08/2005	Findings:	1.2 PCI/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	02/08/2005	Findings:	5 UG/L
Chemical:	BROMODICHLORMETHANE (THM)		
Sample Collected:	02/08/2005	Findings:	11 PCI/L
Chemical:	RADON 222 COUNTING ERROR		
Sample Collected:	02/08/2005	Findings:	12 C
Chemical:	SOURCE TEMPERATURE C		
Sample Collected:	02/08/2005	Findings:	416 US
Chemical:	SPECIFIC CONDUCTANCE		
Sample Collected:	02/08/2005	Findings:	7.5
Chemical:	PH, LABORATORY		
Sample Collected:	02/08/2005	Findings:	113 MG/L
Chemical:	ALKALINITY (TOTAL) AS CACO3		
Sample Collected:	02/08/2005	Findings:	113 MG/L
Chemical:	BICARBONATE ALKALINITY		
Sample Collected:	02/08/2005	Findings:	.09 MG/L
Chemical:	AMMONIA (NH3-N)		
Sample Collected:	02/08/2005	Findings:	1.68 MG/L
Chemical:	PHOSPHATE, ORTHO		
Sample Collected:	02/08/2005	Findings:	2.27 MG/L
Chemical:	TOTAL ORGANIC CARBON (TOC)		
Sample Collected:	02/08/2005	Findings:	144 MG/L
Chemical:	HARDNESS (TOTAL) AS CACO3		
Sample Collected:	02/08/2005	Findings:	30.6 MG/L
Chemical:	CALCIUM		
Sample Collected:	02/08/2005	Findings:	18.4 MG/L
Chemical:	MAGNESIUM		
Sample Collected:	02/08/2005	Findings:	34.1 MG/L
Chemical:	SODIUM		
Sample Collected:	02/08/2005	Findings:	2.6 MG/L
Chemical:	POTASSIUM		
Sample Collected:	02/08/2005	Findings:	25 MG/L
Chemical:	CHLORIDE		
Sample Collected:	02/08/2005	Findings:	12.3 MG/L
Chemical:	SILICA		

Sample Collected:	02/08/2005	Findings:	158 UG/L
Chemical:	BORON		
Sample Collected:	02/08/2005	Findings:	220 UG/L
Chemical:	ZINC		
Sample Collected:	02/08/2005	Findings:	245 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	02/08/2005	Findings:	2.2 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	02/08/2005	Findings:	.07 NTU
Chemical:	TURBIDITY, LABORATORY		
Sample Collected:	02/08/2005	Findings:	500 UG/L
Chemical:	NITRATE + NITRITE (AS N)		
Sample Collected:	02/08/2005	Findings:	400 UG/L
Chemical:	CHLORATE		
Sample Collected:	09/07/2004	Findings:	8.4 UG/L
Chemical:	DICHLOROACETIC ACID (DCAA)		
Sample Collected:	09/07/2004	Findings:	14 UG/L
Chemical:	BROMODICHLORMETHANE (THM)		
Sample Collected:	09/07/2004	Findings:	11 UG/L
Chemical:	BROMOFORM (THM)		
Sample Collected:	09/07/2004	Findings:	23 UG/L
Chemical:	DIBROMOCHLOROMETHANE (THM)		
Sample Collected:	09/07/2004	Findings:	5 UG/L
Chemical:	CHLOROFORM (THM)		
Sample Collected:	09/07/2004	Findings:	26 C
Chemical:	SOURCE TEMPERATURE C		
Sample Collected:	09/07/2004	Findings:	460 US
Chemical:	SPECIFIC CONDUCTANCE		
Sample Collected:	09/07/2004	Findings:	7.3
Chemical:	PH, LABORATORY		
Sample Collected:	09/07/2004	Findings:	69 MG/L
Chemical:	ALKALINITY (TOTAL) AS CACO3		
Sample Collected:	09/07/2004	Findings:	69 MG/L
Chemical:	BICARBONATE ALKALINITY		
Sample Collected:	09/07/2004	Findings:	.36 MG/L
Chemical:	AMMONIA (NH3-N)		
Sample Collected:	09/07/2004	Findings:	1.07 UG/L
Chemical:	PHOSPHATE (AS PO4)		
Sample Collected:	09/07/2004	Findings:	1.52 MG/L
Chemical:	TOTAL ORGANIC CARBON (TOC)		
Sample Collected:	09/07/2004	Findings:	94 MG/L
Chemical:	HARDNESS (TOTAL) AS CACO3		
Sample Collected:	09/07/2004	Findings:	20.1 MG/L
Chemical:	CALCIUM		
Sample Collected:	09/07/2004	Findings:	14.6 MG/L
Chemical:	MAGNESIUM		
Sample Collected:	09/07/2004	Findings:	62.2 MG/L
Chemical:	SODIUM		
Sample Collected:	09/07/2004	Findings:	3.14 MG/L
Chemical:	POTASSIUM		

Sample Collected:	09/07/2004	Findings:	69 MG/L
Chemical:	CHLORIDE		
Sample Collected:	09/07/2004	Findings:	12.2 MG/L
Chemical:	SILICA		
Sample Collected:	09/07/2004	Findings:	135 UG/L
Chemical:	BORON		
Sample Collected:	09/07/2004	Findings:	119 UG/L
Chemical:	ZINC		
Sample Collected:	09/07/2004	Findings:	260 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	09/07/2004	Findings:	.05 NTU
Chemical:	TURBIDITY, LABORATORY		
Sample Collected:	09/07/2004	Findings:	378 UG/L
Chemical:	CHLORATE		
Sample Collected:	09/07/2004	Findings:	53 UG/L
Chemical:	TOTAL TRIHALOMETHANES		
Sample Collected:	09/07/2004	Findings:	11.6 UG/L
Chemical:	DIBROMOACETIC ACID (DBAA)		
Sample Collected:	09/07/2004	Findings:	3.5 UG/L
Chemical:	TRICHLOROACETIC ACID (TCAA)		
Sample Collected:	09/07/2004	Findings:	11.6 UG/L
Chemical:	BROMOCHLOROACETIC ACID (BCAA)		
Sample Collected:	09/07/2004	Findings:	1.1 UG/L
Chemical:	MONOBROMOACETIC ACID (MBAA)		
Sample Collected:	09/07/2004	Findings:	2.3 UG/L
Chemical:	MONOCHLOROACETIC ACID (MCAA)		
Sample Collected:	09/07/2004	Findings:	26.9 UG/L
Chemical:	HALOACETIC ACIDS (5) (HAA5)		
Sample Collected:	06/08/2004	Findings:	.04 NTU
Chemical:	TURBIDITY, LABORATORY		
Sample Collected:	06/08/2004	Findings:	62.8 UG/L
Chemical:	TOTAL TRIHALOMETHANES		
Sample Collected:	06/08/2004	Findings:	2.8 UG/L
Chemical:	DIBROMOACETIC ACID (DBAA)		
Sample Collected:	06/08/2004	Findings:	7.1 UG/L
Chemical:	TRICHLOROACETIC ACID (TCAA)		
Sample Collected:	06/08/2004	Findings:	160 UG/L
Chemical:	CHLORATE		
Sample Collected:	06/08/2004	Findings:	6.2 UG/L
Chemical:	BROMOCHLOROACETIC ACID (BCAA)		
Sample Collected:	06/08/2004	Findings:	24 UG/L
Chemical:	HALOACETIC ACIDS (5) (HAA5)		
Sample Collected:	06/08/2004	Findings:	248 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	06/08/2004	Findings:	13.1 UG/L
Chemical:	DICHLOROACETIC ACID (DCAA)		
Sample Collected:	06/08/2004	Findings:	20 C
Chemical:	SOURCE TEMPERATURE C		
Sample Collected:	06/08/2004	Findings:	450 US
Chemical:	SPECIFIC CONDUCTANCE		

Sample Collected:	06/08/2004	Findings:	7.2
Chemical:	PH, LABORATORY		
Sample Collected:	06/08/2004	Findings:	70 MG/L
Chemical:	ALKALINITY (TOTAL) AS CACO3		
Sample Collected:	06/08/2004	Findings:	70 MG/L
Chemical:	BICARBONATE ALKALINITY		
Sample Collected:	06/08/2004	Findings:	.12 MG/L
Chemical:	AMMONIA (NH3-N)		
Sample Collected:	06/08/2004	Findings:	.97 UG/L
Chemical:	PHOSPHATE (AS PO4)		
Sample Collected:	06/08/2004	Findings:	2.1 MG/L
Chemical:	TOTAL ORGANIC CARBON (TOC)		
Sample Collected:	06/08/2004	Findings:	97 MG/L
Chemical:	HARDNESS (TOTAL) AS CACO3		
Sample Collected:	06/08/2004	Findings:	20.6 MG/L
Chemical:	CALCIUM		
Sample Collected:	06/08/2004	Findings:	12.2 MG/L
Chemical:	MAGNESIUM		
Sample Collected:	06/08/2004	Findings:	50.3 MG/L
Chemical:	SODIUM		
Sample Collected:	06/08/2004	Findings:	2.21 MG/L
Chemical:	POTASSIUM		
Sample Collected:	06/08/2004	Findings:	54 MG/L
Chemical:	CHLORIDE		
Sample Collected:	06/08/2004	Findings:	5.86 MG/L
Chemical:	SILICA		
Sample Collected:	06/08/2004	Findings:	262 UG/L
Chemical:	BORON		
Sample Collected:	06/08/2004	Findings:	3.7 UG/L
Chemical:	VANADIUM		
Sample Collected:	06/08/2004	Findings:	240 UG/L
Chemical:	ZINC		
Sample Collected:	06/08/2004	Findings:	24 UG/L
Chemical:	BROMODICHLORMETHANE (THM)		
Sample Collected:	06/08/2004	Findings:	12 UG/L
Chemical:	DIBROMOCHLOROMETHANE (THM)		
Sample Collected:	06/08/2004	Findings:	26 UG/L
Chemical:	CHLOROFORM (THM)		
Sample Collected:	03/23/2004	Findings:	19.5 C
Chemical:	SOURCE TEMPERATURE C		
Sample Collected:	03/23/2004	Findings:	363 US
Chemical:	SPECIFIC CONDUCTANCE		
Sample Collected:	03/23/2004	Findings:	7.1
Chemical:	PH, LABORATORY		
Sample Collected:	03/23/2004	Findings:	65 MG/L
Chemical:	ALKALINITY (TOTAL) AS CACO3		
Sample Collected:	03/23/2004	Findings:	65 MG/L
Chemical:	BICARBONATE ALKALINITY		
Sample Collected:	03/23/2004	Findings:	.09 MG/L
Chemical:	AMMONIA (NH3-N)		

Sample Collected:	03/23/2004	Findings:	1.37 UG/L
Chemical:	PHOSPHATE (AS PO4)		
Sample Collected:	03/23/2004	Findings:	2.46 MG/L
Chemical:	TOTAL ORGANIC CARBON (TOC)		
Sample Collected:	03/23/2004	Findings:	82 MG/L
Chemical:	HARDNESS (TOTAL) AS CACO3		
Sample Collected:	03/23/2004	Findings:	20.2 MG/L
Chemical:	CALCIUM		
Sample Collected:	03/23/2004	Findings:	10.3 MG/L
Chemical:	MAGNESIUM		
Sample Collected:	03/23/2004	Findings:	35.8 MG/L
Chemical:	SODIUM		
Sample Collected:	03/23/2004	Findings:	3.3 MG/L
Chemical:	POTASSIUM		
Sample Collected:	03/23/2004	Findings:	33 MG/L
Chemical:	CHLORIDE		
Sample Collected:	03/23/2004	Findings:	17 MG/L
Chemical:	SILICA		
Sample Collected:	03/23/2004	Findings:	131 UG/L
Chemical:	BORON		
Sample Collected:	03/23/2004	Findings:	1 UG/L
Chemical:	MOLYDBENDUM		
Sample Collected:	03/23/2004	Findings:	236 UG/L
Chemical:	ZINC		
Sample Collected:	03/23/2004	Findings:	200 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	03/23/2004	Findings:	2.85 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	03/23/2004	Findings:	.04 NTU
Chemical:	TURBIDITY, LABORATORY		
Sample Collected:	03/23/2004	Findings:	640 UG/L
Chemical:	NITRATE + NITRITE (AS N)		
Sample Collected:	03/23/2004	Findings:	124 UG/L
Chemical:	CHLORATE		

6
SSE **CA WELLS** **19846**
1/2 - 1 Mile
Higher

Water System Information:

Prime Station Code:	4300953-001	User ID:	HEN
FRDS Number:	4300953001	County:	Santa Clara
District Number:	05	Station Type:	WELL/AMBNT
Water Type:	Well/Groundwater	Well Status:	Active Raw
Source Lat/Long:	372150.0 1215200.0	Precision:	0.5 Mile (30 Seconds)
Source Name:	WELL 01		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

System Number: 4300953
System Name: Redwing California Co.
Organization That Operates System:
P.O. BOX 49009
SAN JOSE, CA 95161

Pop Served: 150 Connections: 1
Area Served: Not Reported

Sample Collected:	03/20/2000	Findings:	5 UNITS
Chemical:	COLOR		
Sample Collected:	03/20/2000	Findings:	779 US
Chemical:	SPECIFIC CONDUCTANCE		
Sample Collected:	03/20/2000	Findings:	7.71
Chemical:	PH, LABORATORY		
Sample Collected:	03/20/2000	Findings:	338 MG/L
Chemical:	ALKALINITY (TOTAL) AS CACO3		
Sample Collected:	03/20/2000	Findings:	338 MG/L
Chemical:	BICARBONATE ALKALINITY		
Sample Collected:	03/20/2000	Findings:	443 MG/L
Chemical:	HARDNESS (TOTAL) AS CACO3		
Sample Collected:	03/20/2000	Findings:	69.4 MG/L
Chemical:	CALCIUM		
Sample Collected:	03/20/2000	Findings:	65.5 MG/L
Chemical:	MAGNESIUM		
Sample Collected:	03/20/2000	Findings:	58.1 MG/L
Chemical:	SODIUM		
Sample Collected:	03/20/2000	Findings:	70.7 MG/L
Chemical:	CHLORIDE		
Sample Collected:	03/20/2000	Findings:	.243 MG/L
Chemical:	FLUORIDE (F) (NATURAL-SOURCE)		
Sample Collected:	03/20/2000	Findings:	121 UG/L
Chemical:	BARIUM		
Sample Collected:	03/20/2000	Findings:	760 UG/L
Chemical:	BORON		
Sample Collected:	03/20/2000	Findings:	43.2 UG/L
Chemical:	MANGANESE		
Sample Collected:	03/20/2000	Findings:	360 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	03/20/2000	Findings:	18.2 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	03/20/2000	Findings:	.13 NTU
Chemical:	TURBIDITY, LABORATORY		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS
RADON

AREA RADON INFORMATION

State Database: CA Radon

Radon Test Results

Zip	Total Sites	> 4 Pci/L	Pct. > 4 Pci/L
95133	3	0	0.00

Federal EPA Radon Zone for SANTA CLARA County: 2

Note: Zone 1 indoor average level > 4 pCi/L.
: Zone 2 indoor average level >= 2 pCi/L and <= 4 pCi/L.
: Zone 3 indoor average level < 2 pCi/L.

Federal Area Radon Information for Zip Code: 95133

Number of sites tested: 1

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	0.600 pCi/L	100%	0%	0%
Living Area - 2nd Floor	Not Reported	Not Reported	Not Reported	Not Reported
Basement	Not Reported	Not Reported	Not Reported	Not Reported

PHYSICAL SETTING SOURCE RECORDS SEARCHED

TOPOGRAPHIC INFORMATION

USGS 7.5' Digital Elevation Model (DEM)
Source: United States Geologic Survey
EDR acquired the USGS 7.5' Digital Elevation Model in 2002 and updated it in 2006. The 7.5 minute DEM corresponds to the USGS 1:24,000- and 1:25,000-scale topographic quadrangle maps. The DEM provides elevation data with consistent elevation units and projection.

Scanned Digital USGS 7.5' Topographic Map (DRG)
Source: United States Geologic Survey
A digital raster graphic (DRG) is a scanned image of a U.S. Geological Survey topographic map. The map images are made by scanning published paper maps on high-resolution scanners. The raster image is georeferenced and fit to the Universal Transverse Mercator (UTM) projection.

HYDROLOGIC INFORMATION

Flood Zone Data: This data, available in select counties across the country, was obtained by EDR in 1999 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.

HYDROGEOLOGIC INFORMATION

AQUIFLOW^{R} Information System
Source: EDR proprietary database of groundwater flow information
EDR has developed the AQUIFLOW Information System (AIS) to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted to regulatory authorities at select sites and has extracted the date of the report, hydrogeologically determined groundwater flow direction and depth to water table information.

GEOLOGIC INFORMATION

Geologic Age and Rock Stratigraphic Unit
Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - A digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

STATSGO: State Soil Geographic Database
Source: Department of Agriculture, Natural Resources Conservation Services
The U.S. Department of Agriculture's (USDA) Natural Resources Conservation Service (NRCS) leads the national Conservation Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps.

SSURGO: Soil Survey Geographic Database
Source: Department of Agriculture, Natural Resources Conservation Services (NRCS)
Telephone: 800-672-5559
SSURGO is the most detailed level of mapping done by the Natural Resources Conservation Services, mapping scales generally range from 1:12,000 to 1:63,360. Field mapping methods using national standards are used to construct the soil maps in the Soil Survey Geographic (SSURGO) database. SSURGO digitizing duplicates the original soil survey maps. This level of mapping is designed for use by landowners, townships and county natural resource planning and management.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

LOCAL / REGIONAL WATER AGENCY RECORDS

FEDERAL WATER WELLS

PWS: Public Water Systems
Source: EPA/Office of Drinking Water
Telephone: 202-564-3750
Public Water System data from the Federal Reporting Data System. A PWS is any water system which provides water to at least 25 people for at least 60 days annually. PWSs provide water from wells, rivers and other sources.

PWS ENF: Public Water Systems Violation and Enforcement Data
Source: EPA/Office of Drinking Water
Telephone: 202-564-3750
Violation and Enforcement data for Public Water Systems from the Safe Drinking Water Information System (SDWIS) after August 1995. Prior to August 1995, the data came from the Federal Reporting Data System (FRDS).

USGS Water Wells: USGS National Water Inventory System (NWIS)
This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on wells, springs, and other sources of groundwater.

STATE RECORDS

Water Well Database
Source: Department of Water Resources
Telephone: 916-651-9648

California Drinking Water Quality Database
Source: Department of Health Services
Telephone: 916-324-2319
The database includes all drinking water compliance and special studies monitoring for the state of California since 1984. It consists of over 3,200,000 individual analyses along with well and water system information.

OTHER STATE DATABASE INFORMATION

California Oil and Gas Well Locations
Source: Department of Conservation
Telephone: 916-323-1779
Oil and Gas well locations in the state.

RADON

State Database: CA Radon
Source: Department of Health Services
Telephone: 916-324-2208
Radon Database for California

Area Radon Information
Source: USGS
Telephone: 703-356-4020
The National Radon Database has been developed by the U.S. Environmental Protection Agency (USEPA) and is a compilation of the EPA/State Residential Radon Survey and the National Residential Radon Survey. The study covers the years 1986 - 1992. Where necessary data has been supplemented by information collected at private sources such as universities and research institutions.

EPA Radon Zones
Source: EPA
Telephone: 703-356-4020
Sections 307 & 309 of IRAA directed EPA to list and identify areas of U.S. with the potential for elevated indoor radon levels.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

OTHER

Airport Landing Facilities: Private and public use landing facilities
Source: Federal Aviation Administration, 800-457-6656

Epicenters: World earthquake epicenters, Richter 5 or greater
Source: Department of Commerce, National Oceanic and Atmospheric Administration

California Earthquake Fault Lines: The fault lines displayed on EDR's Topographic map are digitized quaternary fault lines, prepared in 1975 by the United State Geological Survey. Additional information (also from 1975) regarding activity at specific fault lines comes from California's Preliminary Fault Activity Map prepared by the California Division of Mines and Geology.

STREET AND ADDRESS INFORMATION

© 2009 Tele Atlas North America, Inc. All rights reserved. This material is proprietary and the subject of copyright protection and other intellectual property rights owned by or licensed to Tele Atlas North America, Inc. The use of this material is subject to the terms of a license agreement. You will be held liable for any unauthorized copying or disclosure of this material.

Fax To: Bureau Veritas North America, Inc.
Contact: Jon Rosso
Fax : 925-426-0106
Date: 12/14/2009

Fax From: Noel Roman
EDR
Phone: 1-800-352-0050

EDR PUR-IQ® Report

"the intelligent way to conduct historical research"

for
Shell Service Station
1705 Berryessa
San Jose, CA 95133
Lat./Long. 37.37300 / 121.87420
EDR Inquiry # 02658827.194r

The EDR PUR-IQ report facilitates historical research planning required to complete the Phase I ESA process. The report identifies the *likelihood* of prior use coverage by searching proprietary EDR-Prior Use Reports® comprising nationwide information on: city directories, fire insurance maps, aerial photographs, historical topographic maps, flood maps and National Wetland Inventory maps.

Potential for EDR Historical (Prior Use) Coverage - Coverage in the following historical information sources may be used as a guide to develop your historical research strategy:

1. City Directory: Coverage may exist for portions of Santa Clara County, CA.

2. Fire Insurance Map: When you order online any EDR Package or the EDR Radius Map with EDR Sanborn Map Search/Print, you receive site specific Sanborn Map coverage information at no charge.

3. Aerial Photograph: Aerial photography coverage may exist for portions of Santa Clara County. Please contact your EDR Account Executive for information about USGS photos available through EDR.

4. Topographic Map: The USGS 7.5 min. quad topo sheet(s) associated with this site:

Historical: Coverage exists for SANTA CLARA County

Current: Target Property: TP | 1980 | 37121-D8 Milpitas, CA

Additional required for 1 Mile radius:
E | 1980 | 37121-D7 Calaveras Reservoir, CA
SE | 1980 | 37121-C7 San Jose East, CA
S | 1980 | 37121-C8 San Jose West, CA

5. Flood Insurance Rate Maps (FEMA) : Coverage is available for SANTA CLARA county.

EDR's network of professional researchers, located throughout the United States, accesses the most extensive national collections of city directory, fire insurance maps, aerial photographs, flood maps and historical topographic map resources available for San Jose, CA. These collections may be located in multiple libraries throughout the country. To ensure maximum coverage, EDR will often assign researchers at these multiple locations on your behalf. Please call or fax your EDR representative to authorize a search.

EDR - HISTORICAL SOURCE(S) ORDER FORM

Bureau Veritas North America, Inc.
Jon Rosso
Account # 1021393

Shell Service Station
1705 Berryessa
San Jose, CA 95133
SANTA CLARA County
Lat./Long. 37.37300 / 121.87420
EDR Inquiry # 02658827.194r

Should you wish to change or add to your order, fax this form to your EDR account executive:

Noel Roman
Ph: 1-800-352-0050 Fax: 1-800-231-6802

Reports

___ EDR Sanborn Map® Search/Print

___ EDR Fire Insurance Map Abstract

___ EDR Multi-Tenant Retail Facility® Report

___ EDR City Directory Abstract

___ EDR Aerial Photo Decade Package

___ USGS Aerial 5 Package

___ USGS Aerial 3 Package

___ EDR Historical Topographic Maps

___ Paper Current USGS Topo (7.5 min.)

___ Environmental Lien Search

___ Chain of Title Search

___ NJ MacRaes Industrial Directory Report

___ EDR Telephone Interview

Shipping:

___ Email
___ Express, Next Day Delivery — RUSH SERVICE IS AVAILABLE
___ Express, Second Day Delivery
___ Express, Next day Delivery — Customer Account — Acct # _____
___ Express, Second Day Delivery — Customer Account — Acct # _____
___ U.S. Mail

Thank you

Appendix F:

Qualifications

Timothy James Orf

Staff Consultant

B.S., Safety Management, 2005
Central Missouri State University,
Warrensburg, MO

Licensed Asbestos Building Inspector
state of Missouri

Tim Orf is an environmental and occupational health and safety consultant based in the Bureau Veritas (North America) Kansas City Regional Office.

Mr. Orf's experiences have included in industrial safety, fleet safety and ergonomics projects. This involved in participating in emergency response activities, noise monitoring, fleet inspections and training.

Mr. Orf currently conducts Phase I environmental site assessments, National Environmental Policy Act (NEPA) screenings, environmental assessments (EAs).

Mr. Orf has some laboratory and field experience. His field experience includes Phase 1 (ESA) and noise monitoring. Mr. Orf has also had the experience of working with many laboratory pieces of equipment (air sampling pumps, noise meters, luminary meters, etc…) when he was working towards his degree at CMSU.

Timothy James Orf

Project Experience

Noise Monitoring
Industrial Facility

Garden Denver is an industrial setting where they produce industrial size air blower, air pumps. Mr. Orf provided a layout of the subject property and assessed the noise level for each area of the property. He consulted management on the appropriate noise protection equipment for the hazardous zones though out the facility. Mr. Orf documented the progress and implementation of safety practices that took place.

Emergency Response
Office Building

Mr. Orf provided an emergency response program for over 500 employees. He assisted in writing and revising the emergency response program. He also has experience in training employees from ergonomics issues to warehouse problems.

Phase I ESAs and NEPA Screening
Telecommunications

Mr. Orf has conducted an environmental assessment, including Phase I ESAs, on a telecommunication site. This has included site walk investigations, agency interviews, historical research, and National Environmental Policy Act (NEPA) screening reports, which are necessary to comply with Federal Communications Commission (FCC) permitting requirements. Mr. Orf's NEPA-related work has included research into the presence of potential wilderness and wildlife areas, wetlands, endangered/threatened species, historic places/cultural resources, Indian religious sites, and flood plains.

Employment History

Bureau Veritas North America – Kansas City
Consultant
2007 to Present

Birch Telecom – Kansas City, MO
Fleet & Safety Analyst
2005 to 2007

Timothy James Orf

Gardner Denver – Sedalia, MO
Safety Intern
2005

Jon A. Rosso, P.E.

Regional Director, Environmental Services

M.S., Civil Engineering (Construction Management), 1988
University of California, Berkeley

B.S., Civil Engineering, 1984
University of California, Berkeley

Licensed Professional Civil Engineer, State of California, No. 45310

Jon A. Rosso has more than 20 years of experience in the environmental consulting field, and has managed numerous large projects valued at up to $40 million. He serves in senior technical, management, and litigation support capacities on a variety of multidisciplinary projects in the areas of waste management, groundwater hydrology, risk assessment, design, and civil engineering, and risk management.

Mr. Rosso has specific expertise in remedial action planning, including remedial investigations and feasibility studies, and conceptual and detailed project design. He also directs and manages the construction of these projects, including the preparation of construction drawings and bid specifications, budgeting, cost estimating, scheduling, contracting, and agency permitting. As Regional Director of Environmental Services, Mr. Rosso oversees Bureau Veritas' environmental risk management and remediation practice in Northern California, where he is responsible for the quality and budgets of complex environmental scenarios from inception to completion.

Mr. Rosso has significant experience with many cleanup technologies and understands the feasibility, practicality, and effectiveness of large-scale removal, groundwater extraction, encapsulation, groundwater treatment, vapor treatment, dual phase extraction, soil vapor extraction, air sparge systems, biodegradation, oxidation, chemical fixation, barrier systems, hydraulic control, and waste stabilization.

Mr. Rosso has planned and executed hundreds of investigations related to soil and groundwater contamination issues and has worked extensively with regulatory agencies throughout the United States. With a focus on practical solutions, Mr. Rosso has comprehensive understanding of state and federal environmental regulations, and particular expertise in client/agency negotiations leading to favorable client results.

Mr. Rosso manages Bureau Veritas' services to a large international insurance firm with respect to risk assessment and management for pollution, property and casualty, and workers compensation exposures at sites throughout the United States.

Jon A. Rosso, P.E.

Project Experience

Superfund Site Remediation

Superfund Site – Former Petroleum Recycling Facility

Mr. Rosso served as program manager for implementation of removal activities at an abandoned waste oil recycling facility in Patterson, California. The site contained about 5.5 million gallons of hazardous waste and hazardous waste water, tank-bottoms sludge, and waste oil, as well as 1,200 drums of used oil filters and miscellaneous chemicals. Wastewater and sludge were found to be Resource Conservation and Recovery Act (RCRA) hazardous waste and to contain dioxin compounds. Initiated under a CERCLA Unilateral Order issued by the EPA, the work was funded through a steering committee representing 21 potentially responsible parties (PRPs) cooperating to fund the remediation. Mr. Rosso was directly responsible for developing all bid specifications. He reviewed and approved all budgets, including change orders and modifications. Working with the PRPs, Mr. Rosso managed the investigation of waste materials, regulatory interaction, community relations, cost recovery, treatability analysis, value engineering, waste disposal, and site decontamination. The largest removal action ever ordered by the EPA in Region IX, the project was completed with final agency sign off in August 2000. Region IX officials have publicly praised this project, calling it a "model effort for Superfund removal projects."

Former Petroleum Fuel Terminals Investigation and Remediation

Oil Industry

Mr. Rosso is currently serving as the program manager for a group of major oil companies that are engaged in the investigation, negotiation, and remediation of historical petroleum bulk plants and pipeline areas in San Francisco. The project involves remedial investigations, feasibility studies, interim remedial activities, and remedial action plans for three operable units covering approximately 12 acres and several city streets in the Mission Bay redevelopment area, near the San Francisco Bay. Working with the property owners, the City and County of San Francisco, and the Regional Water Quality Control Board (RWQCB), Mr. Rosso has guided the multimillion-dollar remediation project through several major milestones, including negotiation, design, cost estimating, permitting, contracting, and construction. Activities completed to date include: excavation of approximately 52,000 tons of soils; removal of 12,000 linear feet of pipeline; installation and operation of dewatering and treatment systems; removal of approximately 7,000 gallons of separate phase hydrocarbons; site restoration: and installation of 600 linear feet of separate phase hydrocarbon collection galleries. Investigation, design and remedial work continue on subsequent phases of the project, with final completion anticipated during 2004.

Trichloroethane (TCA) Investigation and Remediation

Manufacturing Industry

Mr. Rosso was the project manager, construction manager, and engineer of record for the investigation and remediation of a historical release of more than 1 million pounds of TCA into overburden and bedrock groundwater at a major manufacturing facility in Rhode Island. The groundwater contamination threatened one of the state's primary drinking water aquifers. Sampling from a network of surface water monitoring points and various well types indicated that the dissolved plume encompassed an area of about 200 acres and extended more than a mile from the site. The TCA product, a DNAPL, was found over a quarter mile away from the original source at a depth of 400 feet below the ground surface.

Under Mr. Rosso's direction, the remediation plan included installing a half-mile-long interceptor subdrain system to hydraulically control and extract the overburden and bedrock groundwater for treatment. The majority of the interceptor subdrain was to be constructed on property that had originally been a land grant from the King of England and is a registered historic property. Archeological investigations required by the remediation permitting and planning process uncovered a prehistoric feature approximately 4,000 to 7,000 years old, requiring complete removal and preservation. The archeological investigation,

permitting, and removal were performed efficiently and did not impact the project schedule. The remedial design and permit process involved approvals from six divisions of the Rhode Island Department of Environmental Management (RIDEM), the United States Army Corps of Engineers (USACE), United USEPA, the U.S. Department of Interior, and various historic preservation commissions.

Mr. Rosso assisted legal counsel with property access, easements, and well closure agreements. In particular, a revised and amended consent agreement with RIDEM was successfully negotiated, allowing construction and operation of the interceptor subdrain to proceed. This agreement consolidated key permitting authority among the various divisions and created a freshwater wetland delineation and mitigation plan. As the project manager, construction manager, and engineer of record, Mr. Rosso was responsible for hiring and managing the consultants and contractors, developing the plans and specifications, evaluating bids, awarding the contracts, and approving all payments. Project activities ultimately led to site containment using a system that was essentially passive, with very reasonable annual operating costs.

Litigation Support

Steel Industry

Mr. Rosso provided litigation support to defend a steel company from a claim that historic operations of its plant contaminated an adjacent property that recycled steel barrels. At issue was a claim that heavy residual petroleum fuel known as Bunker fuel spilled on the client's property and migrated cross-gradient to the adjacent property. Working with an expert witness in chemistry, Mr. Rosso evaluated previous investigations by others, historical aerial photographs and records, regulatory files, depositions, cost estimates, and various remedial investigations and feasibility studies.

Based on analysis of the available data and computer modeling techniques, Mr. Rosso and Dr. James Bruya (a chemical expert) developed a theory that numerous chemical products were spilled as part of the barrel recycling process and were subsequently affected by caustic cleaning solutions. The theory speculated that modified chemical compounds observed in soil and groundwater samples were then incorrectly interpreted to be residual petroleum fuel hydrocarbons by analytical laboratories that used qualitative analytical techniques. To explore the plaintiff's theory of migration and Mr. Rosso's and Dr. Bruva's theory regarding the contamination source, a comprehensive subsurface investigation and laboratory testing program was implemented for both properties—ultimately demonstrated that the source of contamination was the barrel cleaning facility.

Mediation and Litigation Support

Transportation Industry

Mr. Rosso provided mediation and litigation support for a major overnight courier corporation to defend it from claims by the San Francisco International Airport regarding cost recovery for remediation of hazardous waste encountered during the construction of a new taxiway. The project involved developing defense arguments through extensive historical research, evaluation of investigations by multiple parties, identification of various types of fuel hydrocarbons, analysis of airport cost claims and construction schedule impacts. Mr. Rosso's work provided a strong basis for the client to negotiate with the airport.

Tetrachloroethene (PCE) Investigation and Remediation

Manufacturing Industry

A release of more than 60,000 pounds of PCE into groundwater occurred at a major manufacturing facility in Security, Colorado. The groundwater contamination affected the main aquifer for the area, which supplied 35,000 people with drinking water. Mr. Rosso served as a senior technical advisor for investigation and remediation of the site. The project team used a network of more than 100 monitoring wells, municipal wells, and domestic wells to define the vertical and lateral extent of the plume, which was more than six miles long. Mr. Rosso developed various alternative remedial plans configured to fit on

various offsite properties, evaluated the effectiveness of the scenarios, and developed detailed cost estimates for each conceptual plan, including long-term operation costs. The remedial alternatives included groundwater extraction and treatment for hydraulic control, chemical reaction walls, soil bentonite walls, air sparging, chemical injection and reaction, and natural attenuation. Based on extensive aquifer testing, subsurface investigation, and computer modeling, a hydraulic control system was designed and presented to the Colorado Department of Public Health, which approved the plan. The system was implemented and has been effective.

Former Petroleum Fuel Terminals Investigation and Remediation

Oil Industry

Mr. Rosso is currently serving as the program manager for a group of PRPs engaged in the investigation, negotiation, and remediation of historical petroleum bulk plants and pipeline areas in Stockton, California. The project involves completion of remedial investigations, feasibility studies, interim remedial activities, and remedial action plans for two operable units covering approximately 10 acres of near shore properties and city streets adjacent to the Stockton shipping channel and Mormon Slough.

Site Investigations, Evaluations, and Remediation

State Superfund Sites – Landfills

Mr. Rosso investigated, evaluated, and remediated two California State Superfund landfills that contained chromium-contaminated furnace bricks. Historically, a local winery placed the bricks in the uncontrolled landfills after removing them from glass bottle furnaces during remodeling; the bricks subsequently released hexavalent and trivalent chromium to groundwater. The assessment involved installing monitoring well networks at each landfill to define the vertical and lateral extent of groundwater contamination. Based on review of historical aerial photographs, extensive exploratory trenching programs were developed to locate the bricks within each landfill. The most cost-effective remedial alternative included complete removal of the contaminated bricks (approximately 5,000 cubic yards) and extraction and treatment of shallow groundwater. These actions resulted in site closure and removal from the state Superfund list.

Site Assessment and Subsurface Investigation

Municipal Redevelopment Agency

As a senior environmental consultant to the San Francisco Redevelopment Agency, Mr. Rosso conducted a site assessment and subsurface investigation for the proposed parking facility at the San Francisco Giants' new baseball park. The environmental site assessment (ESA) identified several issues: (1) the property had been part of a major fuel oil handling facility operating between 1920 and 1930; (2) the site was underlain with 20 to 30 feet of rubble debris from the 1906 earthquake and fire; (3) significant quantities of heavy hydrocarbons underlay the property. A subsurface investigation designed to characterize the subsurface and quantify the remedial issues for construction of the parking structure confirmed that earthquake debris were present and contaminated with lead, hydrocarbons, and PAHs. Fuel characterization analyses indicated that the hydrocarbons were residual fuel oil and crude oil. Mr. Rosso reviewed various remedial options with the San Francisco Department of Public Health and reached agreement that the most cost effective and practical remedial plan was to encapsulate the material onsite. These activities were completed in a timely manner, allowing the project to proceed as scheduled on a sound environmental and fiscal basis.

Landfill Investigations

Real Estate Development

A 1,000-acre development was planned for Orinda, California. As part of the environmental assessment of the property, Mr. Rosso investigated four major onsite landfills that contained construction debris. The

landfills were delineated using historic aerial photographs and topographic mapping, which indicated more than 100,000 cubic yards of construction debris. Mr. Rosso designed a subsurface investigation to investigate and characterize the landfills, some of which extend 60 feet below ground surface. The laboratory-testing program demonstrated that three of the landfills did not contain hazardous compounds and could be used as general fill in the development. One of the landfills, located in a former quarry, contained high concentrations of lead, hydrocarbons, and PCBs. The contaminated fill material was primarily soil mixed with metal debris, tires, and asphalt. Interviews with former ranch personnel identified the material as CalTrans shoulder scrapping. As part of a remedial feasibility study, Mr. Rosso developed surface-water and bedrock groundwater investigations for the fourth landfill, developing a remedial action plan based on the results. Due to toxicity and solubility issues with the fill, the most practical remedial solution was excavation and offsite disposal, which was implemented, allowing the development project to move forward.

Emergency Response and Remediation

Transportation Industry

Mr. Rosso was the onsite technical advisor and project manager for the emergency response and remediation of a massive toxic chemical spill due to a 23-car train derailment north of Houston, Texas. The remedial action included the rapid restoration of the railroad line and the protection of a nearby river. Working with the contractor, Mr. Rosso identified the lateral and vertical extent of soil contamination and developed a remedial program, which involved removing 700,000 gallons of hazardous liquids, excavating 14,000 cubic yards of soil, and restoring the remediated area with a low permeability cap. Working with the Texas regulatory agencies, Mr. Rosso implemented a follow-up groundwater investigation, which concluded that only minor residual contamination existed following the remediation.

Site Remediation Plans

Real Estate Redevelopment

As project manager, Mr. Rosso prepared site remediation plans for a mixed-use, master-planned, water-oriented development to be built on 50 acres along the shore of San Francisco Bay. Historically, the site was part of a highly industrialized area, which included major steel production and fabrication facilities. Mr. Rosso studied past manufacturing operations and existing site conditions and evaluated various previous investigations conducted by others. As part of this study and studies by others, more than 275 soil samples were collected and chemically analyzed. Statistical evaluation of the data indicated that hydrocarbons and heavy metals were present in near-surface soil in localized areas of the site and did not substantially affect the groundwater. The remediation plan, developed in association with regulatory agencies, consisted of excavating and removing 40,000 cubic yards of contaminated soil from various areas of the site followed by chemical fixation, compaction, and encapsulation of the excavated soil beneath a 5-acre concrete parking structure on the property. The plan was approved and implemented, allowing the development to proceed as planned and in compliance with environmental regulations.

Subsurface Evaluation

Transportation Industry

As project manager, Mr. Rosso evaluated subsurface conditions for the expansion of a private waste water treatment plant and major access road at the San Francisco International Airport. These renovation projects were located adjacent to major jet fuel distribution facilities not owned by the Airport. The investigation focused on identifying, delineating, and quantifying fuel products in the subsurface. The laboratory testing program included fuel fingerprinting and fuel characterization techniques. The investigation identified jet fuel products floating on the groundwater in several areas. To protect foundation and pipeline construction workers within the jet fuel contaminated areas, remedial activities delineated the areas of concern and minimized the uncertainty for the expansion project bidding contractor. This resulted in a more accurate bid and minimized change orders.

Jon A. Rosso, P.E.

Site Assessments and Remediation

Chemical Industry

Mr. Rosso was project manager for the assessment and remediation of two inactive evaporation ponds containing 9,000 cubic yards of residual sludge materials from aluminum anodizing processes at a California chemical manufacturing facility. Interacting with the California RWQCB on behalf of the client and one of its subsidiaries, Mr. Rosso developed a site characterization program that focused on defining the subsurface conditions, soil quality, and extent of groundwater contamination. These assessment activities involved drilling and continuously sampling soil borings, installing monitoring and extraction wells, logging geophysical subsurface conditions, and chemically testing soil and groundwater samples. Evaluation studies included investigating the effects of high pH on groundwater geochemistry, treatability studies for nonhazardous disposal of sludge, aquifer testing, and computer modeling for groundwater extraction systems. The remediation consisted of excavating the sludge material, disposing of the material as nonhazardous waste, controlled backfilling and surface grading of the former pond areas, and monitoring geochemical transformations in the groundwater. These activities brought the site into compliance with state environmental regulations.

Site Characterization and Remedial Plans

Food Processing and Distribution Plant

As a senior technical consultant, Mr. Rosso directed site characterization activities and developed remedial plans for a 70-acre food processing and distribution facility in California. Mr. Rosso conducted an ESA of the property and identified several areas of concern, including multiple fuel and solvent handling facilities and the former presence of 18 underground storage tanks (USTs), primarily in a fuel tank farm area. Investigations of the UST areas indicated significant releases to the subsurface. Free-floating fuel product was found on the groundwater surface. Fuel characterization techniques identified the floating fuel product as a mixture of gasoline and diesel. Various remedial options reviewed in detail included horizontal extraction wells, bioremediation, injection of hydrogen peroxide, product extraction, soil vapor extraction, groundwater sparging, and excavation. Evaluations indicated that the most cost-effective and practical remedial plan was to remove the free product and monitor the natural attenuation of the plume. In addition to onsite issues, chlorinated organic solvents were found in groundwater entering the property from an upgradient source. Mr. Rosso identified potential offsite sources of chlorinated solvents through the use regulatory records and historic aerial photography. This information enabled the client to choose a remedial course of action, allowing a major rehabilitation of the facility to proceed on schedule.

Trichloroethene (TCE) Investigations

Manufacturing Facility

As a senior technical advisor, Mr. Rosso investigated the presence of TCE in groundwater beneath two adjacent manufacturing facilities in central California. He assisted the downgradient property owner and its environmental counsel by evaluating the work of opposing consultants, assessing and delineating the extent of contamination, and developing a variety of possible remedial actions. The work also included assessing groundwater flow and using numerical simulation models to estimate the fate and transport of chemicals and the extraction systems' zone of capture. These investigations demonstrated the upgradient facility as the major source of contamination. Mr. Rosso provided litigation support to the environmental counsel for the downgradient property owner, evaluated remedial alternatives, and prepared community relations plans. The most cost-effective measures proved to be groundwater extraction and treatment and soil vapor extraction from the vadose zone. As a result of these activities, the client received a favorable settlement.

Jon A. Rosso, P.E.

Contamination Source Investigation
Real Estate Redevelopment

As part of the redevelopment of downtown Hartford, Connecticut, a major bank was foreclosing on several contiguous properties. The ESAs and subsurface investigations by others identified chlorinated solvents in the groundwater on the properties. The main issue for the bank involved the source of the contamination, which the previous consultant believed was onsite. Based on Mr. Rosso's evaluation of the data, subsurface conditions, and hydrogeologic regime, it appeared that an offsite source was responsible for the chlorinated solvents in the groundwater. A review of regulatory records identified a nearby property that was previously used by a barrel cooperage, which had recycled steel barrels. The former cooperage had been replaced with an office building for the Connecticut Department of Public Works. Regulatory records indicated that the barrel cooperage had recycled chlorinated solvents and apparently had buried a large number of drums, which were uncovered during construction of the office building. Computer analysis and models demonstrated that the source of contamination was most likely the former barrel cooperage. These findings allowed the bank to fund the redevelopment project.

Employment History

Bureau Veritas North America – San Ramon, California
Regional Director, Environmental Services
2007 to Present

Clayton Group Services, Inc., *A Bureau Veritas Company* – Pleasanton, California
Director, Environmental Services
2005 to 2007

Clayton Group Services, Inc. – Pleasanton, California
Director, Environmental Services
1998 to 2005

A. F. Evans Company, Inc. – San Ramon, California
Manager of Acquisitions and Project Manager
1997 to 1998

Treadwell & Rollo, Inc. – San Francisco, California
Founding Shareholder, Officer, and Senior Associate Engineer
1988 to 1997

Geomatrix Consultants, Inc. – San Francisco, California
Senior Staff Engineer
1984 to 1988

Woodward-Clyde Consultants – Oakland, California
Staff Engineer
1982 to 1984

Professional Affiliations

American Society of Civil Engineers, (ASCE)

National Ground Water Association (NGWA)

National Association of Industrial and Office Properties (NAIOP)

International Council of Shopping Centers (ICSC)

Trevor A. Donaghu, REA

Senior Project Manager
Manager, National Accounts

B.S., Environmental Planning and Management, 1993
University of California at Davis, Davis, California

California Registered Environmental Assessor (REA)

OSHA 40-hour Certification in Hazardous Waste Operations

AHERA 24-hour Accreditation, Building Inspector

The Climate Registry - Greenhouse Gas Emissions Lead Verifier

California Air Resources Board - Greenhouse Gas Emissions Lead Verifier (Refinery and Electricity Sector Accreditation)

Assurance of Sustainability Training

Trevor A. Donaghu has more than 17 years of experience in the field of environmental consulting, with demonstrated results in project planning and management. His responsibilities include project design and budgeting, project scheduling and tracking, senior technical review and quality assurance/quality control (QA/QC), negotiation with regulators, and client communication. For various national clients, he is responsible for managing all projects nationwide, including Phase I and Phase II environmental site assessments (ESAs), site investigations, and regulatory closures.

Trevor A. Donaghu, REA

Project Experience

Due Diligence

Real Estate and Financial Services Industry

Mr. Donaghu managed numerous due diligence projects throughout the United States, several of which also required additional Phase II investigation, which had to be coordinated to meet client-specific deadlines. He managed full-time and flex-time professional staff, reviewed project design and budgeting, and prepared proposals. Mr. Donaghu provided technical review and QA/QC, coordinated and scheduled projects, and maintained client contacts. Some projects have included property condition assessments, and/or seismic reports for multi-property portfolios.

Due Diligence

Real Estate and Financial Services Industry

Mr. Donaghu has personally conducted hundreds of Phase I ESAs throughout California, Washington, Arizona, and Nevada, as well as the United States for the real estate and banking industries. He is familiar with the rules and laws that establish standards and regulatory requirements within the environmental industry, and has conducted regulatory compliance auditing as well as hazardous waste management and removal activities. He reviewed project design, project budgeting, and proposals. He also reviews the final reports completed by other professional staff.

Subsurface Investigation

Various Industries

Mr. Donaghu has conducted Phase II and III Assessments to characterize the extent of soil and groundwater contamination. He is experienced in a variety of assessment techniques, including geophysical surveys, soil boring and monitoring-well installation, soil and groundwater sampling, and storm drain discharge assessment.

Underground Storage Tanks Management

Various Industries

Mr. Donaghu has managed and conducted oversight for the removal and closure of underground storage tanks (USTs), clarifiers, and other subsurface structures at numerous facilities, such as gas stations, chemical companies, and manufacturing facilities. He oversaw the removal of 22 USTs from a former chemical company facility, and emergency removal of two USTs discovered during grading activities at a new construction site. Mr. Donaghu has provided site-closure related services such as project design and budgeting; coordination of staff, subcontractors, and regulators; remediation of impacted soil; and obtaining final agency approval.

Information Technology

Database Development

Mr. Donaghu has over eight years of database development experience, and has developed databases for numerous applications, using dBase, Paradox, and Access. For one project, he developed a database for large, multi-unit complex site inspections for indoor environmental quality (IEQ) issues, including mold. The database included modules for sample and analytical data, inspector notes, and reporting (reports for individual tenants, summary reports, and abatement cost projection). Mr. Donaghu also developed Clayton's Real Estate and Financial Services Project Management Database, which is used for startup, assignment, tracking, and managing all due diligence projects. Application-specific requirements have included the ability to handle projects with an unlimited number of sites, modules for date and budget calculations, form generation, and periodic reporting. Mr. Donaghu has also developed databases for marketing/contact management of 50,000+ records.

Trevor A. Donaghu, REA

Information Technology

Web Development

Mr. Donaghu has over three years experience providing Internet consulting and Web site/application development services for clients in various industries. His expertise includes the use of Hyper-Text Markup Language (HTML), JavaScript, PERL, and CGI. Specific projects include development of web sites and Intranets for consulting, retail, manufacturing, and environmental firms.

Employment History

Bureau Veritas – Pleasanton, California
Manager, National Accounts
2006 to Present

Clayton Group Services, Inc. – Pleasanton, California
Manager, National Accounts
2004 to 2006

Clayton Group Services, Inc. – Pleasanton, California
Senior Project Manager
1999 to 2004

ATC Associates, Inc. – Pleasanton, California
Manager, Due Diligence Services
1998 to 1999

CERES Environmental – Santa Fe Springs, California
Project Manager
1997 to 1998

CERES Environmental – Santa Fe Springs, California
Environmental Specialist
1994 to 1997

On-Site Environmental – Santa Clara, California
Technician
1993 to 1994

Pacific Gas & Electric Company
Engineering Technician
1992

APPENDIX C: HAZARDOUS MATERIALS BUSINESS PLAN

SITE COPY

AU Energy, LLC

Berryessa Shell #164

Online Submission
Hazardous Materials Business Plan Annual Submission with UST Forms

2015

1705 Berryessa Road
(Facility Address)

San Jose
(Facility City)

Santa Clara
(Facility County)

Santa Clara Co. Dept. of Env. Health
(Administering Agency)

April 6, 2015

CERS ID#10092730

POST THIS DOCUMENT ON SITE
SO THAT IT WILL BE AVAILABLE IN
THE EVENT OF A GOVERNMENT AGENCY INSPECTION.

Prepared by:
Stantec Consulting Services Inc.
1383 N. McDowell Blvd. Suite #250
Petaluma, CA 94954

136010

BERRYESSA SHELL #164 (CERSID: 10092730)

Facility Information Submitted Mar 31, 2015

Submitted on 3/31/2015 2:25:57 PM by *Gina Pimentel* of AU Energy LLC (Fremont, CA)
Comments by Submitter: Annual Submittal

- Business Activities
- Business Owner/Operator Identification

Hazardous Materials Inventory Submitted Mar 31, 2015

Submitted on 3/31/2015 2:25:57 PM by *Gina Pimentel* of AU Energy LLC (Fremont, CA)

- Hazardous Material Inventory (9)
- Site Map (Official Use Only)
  - *Site Map* (Adobe PDF, 99KB)

Emergency Response and Training Plans Submitted Mar 31, 2015

Submitted on 3/31/2015 2:25:57 PM by *Gina Pimentel* of AU Energy LLC (Fremont, CA)

- Emergency Response/Contingency Plan
  - *Emergency Response/Contingency Plan* (Adobe PDF, 121KB)
  - *Emergency Response Procedures* (Adobe PDF, 41KB)
  - *On Site Training Form- New Employee Training Verification* (Adobe PDF, 26KB)
- Employee Training Plan
  - Provided In Submital Element: Emergency Response and Training Plans

Underground Storage Tanks Submitted Mar 31, 2015

Submitted on 3/31/2015 2:25:57 PM by *Gina Pimentel* of AU Energy LLC (Fremont, CA)

- UST Facility Operating Permit Application
- UST Tank Information/Monitoring Plan - Tank ID #1
- UST Tank Information/Monitoring Plan - Tank ID #2
- UST Tank Information/Monitoring Plan - Tank ID #3
- UST Monitoring Site Plan
  - Provided In Submital Element: Hazardous Materials Inventory
- UST Certification of Financial Responsibility
  - *UST Certification of Financial Responsibility* (Adobe PDF, 198KB)
- UST Response Plan
  - *UST Response Plan* (Adobe PDF, 60KB)
- UST Owner/Operator: Written Agreement
  - Owner and Operator are the same
- UST Letter from Chief Financial Officer
  - *UST Letter from the Chief Financial Officer* (Adobe PDF, 149KB)
- Owner Statement of Designated UST Operator Compliance
  - *Owner Statement of Designated UST Operator Compliance* (Adobe PDF, 15KB)

Site Identification

Berryessa Shell #164
1705 Berryessa Rd
San Jose, CA 95133
County
Santa Clara

CERS ID
10092730
EPA ID Number
CAL000350795

Submittal Status

Submitted on 3/31/2015 by *Gina Pimentel* of AU Energy LLC (Fremont, CA)
Comments by submitter: Annual Submittal

Hazardous Materials

Does your facility have on site (for any purpose) at any one time, hazardous materials at or above 55 gallons for liquids, 500 pounds for solids, or 200 cubic feet for compressed gases (include liquids in ASTs and USTs); or is regulated under more restrictive inventory local reporting requirements (shown below if present); or the applicable Federal threshold quantity for an extremely hazardous substance specified in 40 CFR Part 355, Appendix A or B; or handle radiological materials in quantities for which an emergency plan is required pursuant to 10 CFR Parts 30, 40 or 70?	Yes

Underground Storage Tank(s) (UST)

Does your facility own or operate underground storage tanks?	Yes

Hazardous Waste

Is your facility a Hazardous Waste Generator?	Yes
Does your facility treat hazardous waste on-site?	No
Is your facility's treatment subject to financial assurance requirements (for Permit by Rule and Conditional Authorization)?	No
Does your facility consolidate hazardous waste generated at a remote site?	No
Does your facility need to report the closure/removal of a tank that was classified as hazardous waste and cleaned on-site?	No
Does your facility generate in any single calendar month 1,000 kilograms (kg) (2,200 pounds) or more of federal RCRA hazardous waste, or generate in any single calendar month, or accumulate at any time, 1 kg (2.2 pounds) of RCRA acute hazardous waste; or generate or accumulate at any time more than 100 kg (220 pounds) of spill cleanup materials contaminated with RCRA acute hazardous waste.	No
Is your facility a Household Hazardous Waste (HHW) Collection site?	No

Excluded and/or Exempted Materials

Does your facility recycle more than 100 kg/month of excluded or exempted recyclable materials (per HSC 25143.2)?	No
Does your facility own or operate ASTs above these thresholds? Store greater than 1,320 gallons of petroleum products (new or used) in aboveground tanks or containers.	No
Does your facility have Regulated Substances stored onsite in quantities greater than the threshold quantities established by the California Accidental Release prevention Program (CalARP)?	No

Additional Information

No additional comments provided.

Facility/Site

Berryessa Shell #164
1705 Berryessa Rd
San Jose, CA 95133

CERS ID
10092730

Submittal Status

Submitted on 3/31/2015 by *Gina Pimentel* of AU Energy LLC (Fremont, CA)
Comments by submitter: Annual Submittal

Identification

AU Energy, LLC

Operator Phone	Business Phone	Business Fax
(510) 364-0883	(408) 259-9123	

Beginning Date	Ending Date	
1/1/2015	12/31/2015	
Dun & Bradstreet	**SIC Code**	**Primary NAICS**
833072262	5541	447110

Facility/Site Mailing Address

41805 Albrae Street
Fremont, CA 94538

Primary Emergency Contact

Rajinder Goyal
Title
Territory Manager

Business Phone	24-Hour Phone	Pager Number
(510) 364-0883	(510) 364-0883	

Owner

AU Energy, LLC
(510) 657-9150
41805 Albrae Street
Fremont, CA 94538

Secondary Emergency Contact

Sunny Goyal
Title
Project Manager

Business Phone	24-Hour Phone	Pager Number
(510) 657-9150	(650) 799-2949	

Billing Contact

AU Energy, LLC
(510) 657-9150 sunny@vintnersdist.com
41805 Albrae Street
Fremont, CA 94538

Environmental Contact

Sunny Goyal
(510) 657-9150 sunny@vintnersdist.com
41805 Albrae Street
Fremont, CA 94538

Name of Signer	Signer Title	Document Preparer
Sunny Goyal	Project Manager	Stantec Consulting Services Inc.

Additional Information

Locally-collected Fields

Some or all of the following fields may be required by your local regulator(s).

Property Owner

AU Energy, LLC
Phone
(510) 657-9150
Mailing Address
41805 Albrae Street
Fremont, CA 94538

Assessor Parcel Number (APN)

Number of Employees
7

Facility ID
43-060-401728

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org.	**AU Energy LLC**	Chemical Location	CERS ID **10092730**
Facility Name	**BERRYESSA SHELL #164** 1705 BERRYESSA RD, SAN JOSE 95133	**Car Wash Tunnel**	Facility ID **43-060-401728** Status **Submitted** on 3/31/2015 2:25 PM

DOT Code/Fire Haz. Class	Common Name	Unit	Quantities Max. Daily	Quantities Largest Cont.	Quantities Avg. Daily	Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only) Component Name	% Wt	EHS	CAS No.
Irritant	**Ryko Supreme Clean** CAS No 64-02-8 Map: 1 Grid: B5	**Gallons** State Liquid Type Mixture	**55** Storage Container Plastic/Non-metalic Drum Days on Site: 365	**25**	25 Pressue Ambient Temperature Ambient	Waste Code	- Chronic health	Tetrasodium Sodium Metasilicate Surfactant Sodium Hydroxide			64-02-8 6834-92-0 N/A 1310-73-2
Irritant	**Ryko Prep Pro I** CAS No Map: 1 Grid: B5	**Gallons** State Liquid Type Mixture	**55** Storage Container Plastic/Non-metalic Drum Days on Site: 365	**55**	35 Pressue Ambient Temperature Ambient	Waste Code	- Chronic health	Proprietary			
Irritant	**Ryko Prep Pro II** CAS No 1310-73-2 Map: 1 Grid: B5	**Gallons** State Liquid Type Mixture	**55** Storage Container Plastic/Non-metalic Drum Days on Site: 365	**55**	35 Pressue Ambient Temperature Ambient	Waste Code	- Chronic health	Sodium Hydroxide Ethylenediamenetetraacatic Acid Sodium Metasilicate Surfuric Blend			1310-73-2 64-02-8 6834-92-0 Proprietary

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org.	**AU Energy LLC**	Chemical Location	CERS ID **10092730**
Facility Name	**BERRYESSA SHELL #164** 1705 BERRYESSA RD, SAN JOSE 95133	**MIDDLE OF PROPERTY**	Facility ID **43-060-401728** Status **Submitted** on 3/31/2015 2:25 PM

DOT Code/Fire Haz. Class	Common Name	Unit	Quantities: Max. Daily	Quantities: Largest Cont.	Quantities: Avg. Daily	Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only): Component Name	% Wt	EHS	CAS No.
DOT: 3 - Flammable and Combustible Liquids Flammable Liquid, Class I-B	**Regular Unleaded Gasoline** CAS No 8006-61-9 Map: 1 Grid: D5	**Gallons** State: Liquid Type: Mixture	**12000** Storage Container: Belowground Tank Days on Site: 365	**12000**	6000 Pressure: Ambient Temperature: Ambient	Waste Code	- Fire - Acute Health - Chronic health	Gasoline Toluene Benzene	100 % 15 % 5 %		8006-61-9 108-88-3 71-43-2
DOT: 3 - Flammable and Combustible Liquids Flammable Liquid, Class I-B	**Premium Unleaded Gasoline** CAS No 8006-61-9 Map: 1 Grid: D5	**Gallons** State: Liquid Type: Mixture	**12000** Storage Container: Belowground Tank Days on Site: 365	**12000**	5000 Pressure: Ambient Temperature: Ambient	Waste Code	- Fire - Acute Health - Chronic health	Gasoline Toluene Benzene	100 % 15 % 5 %		8006-61-9 108-88-3 71-43-2
DOT: 3 - Flammable and Combustible Liquids Combustible Liquid, Class II	**Diesel Fuel No. 2** CAS No 68476-34-6 Map: 1 Grid: D5	**Gallons** State: Liquid Type: Mixture	**12000** Storage Container: Belowground Tank Days on Site: 365	**12000**	6000 Pressure: Ambient Temperature: Ambient	Waste Code	- Fire - Acute Health - Chronic health	#2 Diesel	100 %		68476-34-6

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org.	**AU Energy LLC**	Chemical Location	CERS ID **10092730**
Facility Name	**BERRYESSA SHELL #164** 1705 BERRYESSA RD, SAN JOSE 95133	**Northeast side of Kiosk**	Facility ID **43-060-401728** Status **Submitted** on 3/31/2015 2:25 PM

DOT Code/Fire Haz. Class	Common Name	Unit	Quantities Max. Daily	Quantities Largest Cont.	Quantities Avg. Daily	Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only) Component Name	% Wt	EHS	CAS No.
DOT: 3 - Flammable and Combustible Liquids Liquified Petroleum Gas	**Propane** CAS No 74-98-6 Map: 2 Grid: F4	**Gallons** State Gas Type Mixture	**70** Storage Container Cylinder Days on Site: 365	**5**	45 Pressue > Ambient Temperature Ambient	Waste Code	- Fire - Pressure Release - Acute Health	Propane Propylene Butane Butene	100 % 10 % 5 % 1 %		74-98-6 115-07-1 106-97-8 25167-67-3

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org.	**AU Energy LLC**	Chemical Location	CERS ID **10092730**
Facility Name	**BERRYESSA SHELL #164**	**Waste Area**	Facility ID **43-060-401728**
	1705 BERRYESSA RD, SAN JOSE 95133		Status **Submitted** on 3/31/2015 2:25 PM

DOT Code/Fire Haz. Class	Common Name	Unit	Quantities Max. Daily	Largest Cont.	Avg. Daily	Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only) Component Name	% Wt	EHS	CAS No.
DOT: 3 - Flammable and Combustible Liquids Flammable Solid	**Waste Absorbent / Rags** CAS No Map: 1 Grid: B2	**Pounds** State: Solid Type: Waste	**135** Storage Container: Steel Drum Days on Site: 365	**45**	45 Pressue: Ambient Temperature: Ambient	420 Waste Code: 352	- Fire - Acute Health - Chronic health	Used Absorbent Gasoline			
DOT: 3 - Flammable and Combustible Liquids Flammable Liquid, Class I-B	**Gasoline/Water Mixture** CAS No Map: 1 Grid: B2	**Gallons** State: Liquid Type: Waste	**55** Storage Container: Steel Drum Days on Site: 365	**55**	15 Pressue: Ambient Temperature: Ambient	110 Waste Code: 343	- Fire - Acute Health - Chronic health	Water Gasoline			

MAP# 1

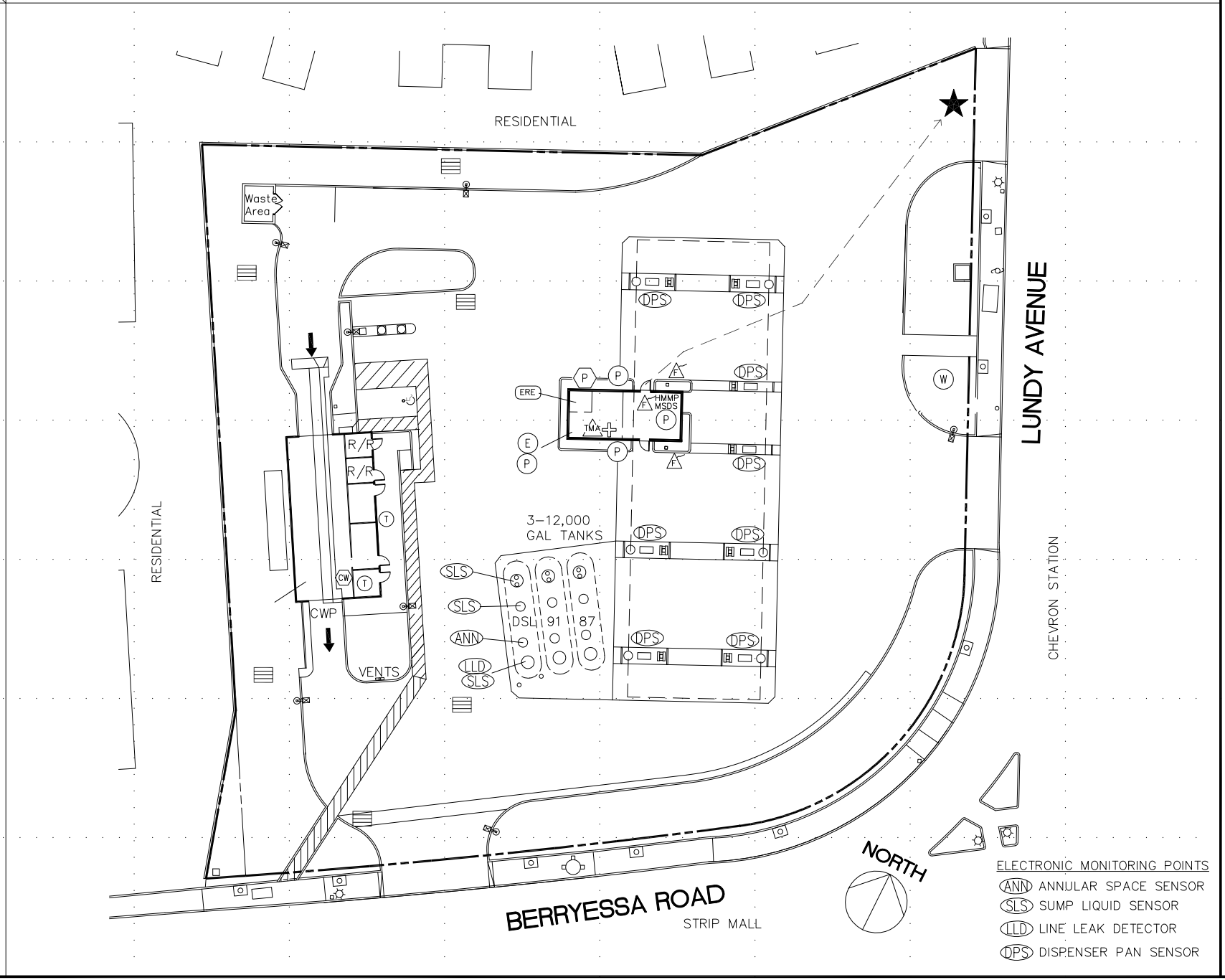
ANNOTATED SITE MAP

Prepared By: Stantec Consulting Services Inc.
1137 N. McDowell Blvd.
Petaluma, CA U.S.A. 94954
www.stantec.com

BUSINESS NAME Berryessa Shell #164 DATE 1/9/2014

BUSINESS ADDRESS 1705 Berryessa Road San Jose ZIP CODE 95133

DRAWING SCALE
NOT TO SCALE



MAP SYMBOLS

- E — ELECTRICAL PANEL SHUT-OFF
- G — NATURAL GAS SHUT-OFF
- W — WATER SHUT-OFF
- P — EMERGENCY PUMP SHUT-OFF
- TMA — TANK MONITORING ALARM
- T — TELEPHONE
- FIRST AID KIT
- F — FIRE EXTINGUISHER
- STORM DRAIN
- S — SANITARY SEWER
- STAGING AREA EVACUATION/
- HMMP MSDS — HMMP, AND MSDS LOCATION
- FIRE HYDRANT
- FENCE
- ERE — EMERGENCY RESPONSE EQUIPMENT/ABSORBENTS
- ABOVEGROUND STORAGE TANK
- UNDERGROUND STORAGE TANK
- G — GASOLINE (FLAMMABLE LIQUIDS)
- D — DIESEL FUEL (COMBUSTIBLE LIQUIDS)
- M — MOTOR OILS & LUBRICANTS (COMBUSTIBLE LIQUIDS)
- CO — CARBON DIOXIDE (COMPRESSED GAS)
- P — PROPANE (FLAMMABLE LIQUID)
- A — ANTIFREEZE/COOLANTS
- W — WASTE OIL (COMBUSTIBLE LIQUID)
- CW — CAR WASH PRODUCTS
- B — BATTERIES
- WB — WASTE BATTERIES
- WOF — WASTE OIL FILTERS
- WA — WASTE ANTIFREEZE
- WFF — WASTE FUEL FILTERS

ELECTRONIC MONITORING POINTS

- ANN — ANNULAR SPACE SENSOR
- SLS — SUMP LIQUID SENSOR
- LLD — LINE LEAK DETECTOR
- DPS — DISPENSER PAN SENSOR

CALIFORNIA ENVIRONMENTAL REPORTING SYSTEM (CERS)

CONSOLIDATED EMERGENCY RESPONSE / CONTINGENCY PLAN

Prior to completing this Plan, please refer to the INSTRUCTIONS FOR COMPLETING A CONSOLIDATED CONTINGENCY PLAN

A. FACILITY IDENTIFICATION AND OPERATIONS OVERVIEW

FACILITY ID # — — 1.	CERS ID 10092730 A1.	DATE OF PLAN PREPARATION/REVISION A2. May 17, 2013

BUSINESS NAME *(Same as Facility Name or DBA - Doing Business As)* 3.
Berryessa Shell #164

BUSINESS SITE ADDRESS 103.
1705 Berryessa Road

BUSINESS SITE CITY 104.		ZIP CODE 105.
San Jose	CA	95133

TYPE OF BUSINESS (e.g., Painting Contractor) A3.	INCIDENTAL OPERATIONS (e.g., Fleet Maintenance) A4.
Gas Station	Car Wash

THIS PLAN COVERS CHEMICAL SPILLS, FIRES, AND EARTHQUAKES INVOLVING: (Check all that apply) A5.

☒ 1. HAZARDOUS MATERIALS; ☒ 2. HAZARDOUS WASTES

B. INTERNAL RESPONSE

INTERNAL FACILITY EMERGENCY RESPONSE WILL OCCUR VIA: (Check all that apply) B1.

☒ 1. CALLING PUBLIC EMERGENCY RESPONDERS (i.e., 9-1-1)
☒ 2. CALLING HAZARDOUS WASTE CONTRACTOR
☒ 3. ACTIVATING IN-HOUSE EMERGENCY RESPONSE TEAM

C. EMERGENCY COMMUNICATIONS, PHONE NUMBERS AND NOTIFICATIONS

Whenever there is an imminent or actual emergency situation such as an explosion, fire, or release, the Emergency Coordinator (or his/her designee when the Emergency Coordinator is on call) shall:

1. Activate internal facility alarms or communications systems, where applicable, to notify all facility personnel.
2. Notify appropriate local authorities (i.e., call 9-1-1).
3. Notify the California Emergency Management Agency at (800) 852-7550.

Before facility operations are resumed in areas of the facility affected by the incident, the emergency coordinator shall notify the California Department of Toxic Substances Control (DTSC), the local Unified Program Agency (UPA), and the local fire department's hazardous materials program that the facility is in compliance with requirements to:

1. Provide for proper storage and disposal of recovered waste, contaminated soil or surface water, or any other material that results from an explosion, fire, or release at the facility; and
2. Ensure that no material that is incompatible with the released material is transferred, stored, or disposed of in areas of the facility affected by the incident until cleanup procedures are completed.

INTERNAL FACILITY EMERGENCY COMMUNICATIONS OR ALARM NOTIFICATION WILL OCCUR VIA: (Check all that apply) C1.

☒ 1. VERBAL WARNINGS; ☐ 2. PUBLIC ADDRESS OR INTERCOM SYSTEM; ☒ 3. TELEPHONE;
☐ 4. PAGERS; ☐ 5. ALARM SYSTEM; ☐ 6. PORTABLE RADIO

NOTIFICATIONS TO NEIGHBORING FACILITIES THAT MAY BE AFFECTED BY AN OFF-SITE RELEASE WILL OCCUR BY: (Check all that apply) C2.

☒ 1. VERBAL WARNINGS; ☐ 2. PUBLIC ADDRESS OR INTERCOM SYSTEM; ☐ 3. TELEPHONE;
☐ 4. PAGERS; ☐ 5. ALARM SYSTEM; ☐ 6. PORTABLE RADIO

EMERGENCY RESPONSE PHONE NUMBERS:

AMBULANCE, FIRE, POLICE AND CHP	9-1-1
CALIFORNIA EMERGENCY MANAGEMENT AGENCY (CAL/EMA)	(800) 852-7550
NATIONAL RESPONSE CENTER (NRC)	(800) 424-8802
POISON CONTROL CENTER	(800) 222-1222
LOCAL UNIFIED PROGRAM AGENCY (UPA/CUPA)	408-918-3400 C3.
OTHER (Specify): C4.	( ) C5.

NEAREST MEDICAL FACILITY / HOSPITAL NAME: SANTA CLARA VALLEY MEDICAL CENTER C6. 408-885-5000 C7.

AGENCY NOTIFICATION PHONE NUMBERS:

CALIFORNIA DEPT. OF TOXIC SUBSTANCES CONTROL (DTSC)	(800) 260-3972
REGIONAL WATER QUALITY CONTROL BOARD	(510) 622-2300 C8.
U.S. ENVIRONMENTAL PROTECTION AGENCY (US EPA)	(800) 300-2193
CALIFORNIA DEPT OF FISH AND GAME (DFG)	(916) 358-2900
U.S. COAST GUARD	(415) 399-3547
CAL/OSHA	(916) 263-2800
STATE FIRE MARSHAL	(916) 445-8200
OTHER (Specify): C9.	C10.
OTHER (Specify): C11.	C12.

D. EMERGENCY CONTAINMENT AND CLEANUP PROCEDURES

SPILL PREVENTION, CONTAINMENT, AND CLEANUP PROCEDURES: (Check all boxes that apply to indicate your procedures for containing spills, releases, fires or explosions; and. preventing and mitigating associated harm to persons, property, and the environment.)

D1.

☒ 1. MONITOR FOR LEAKS, RUPTURES, PRESSURE BUILD-UP, ETC.;
☐ 2. PROVIDE STRUCTURAL PHYSICAL BARRIERS (e.g., Portable spill containment walls);
☒ 3. PROVIDE ABSORBENT PHYSICAL BARRIERS (e.g., Pads, pigs, pillows);
☒ 4. COVER OR BLOCK FLOOR AND/ OR STORM DRAINS;
☐ 5. BUILT-IN BERM IN WORK / STORAGE AREA;
☐ 6. AUTOMATIC FIRE SUPPRESSION SYSTEM;
☒ 7. ELIMINATE SOURCES OF IGNITION FOR FLAMMABLE HAZARDS (e.g. Flammable liquids, Propane);
☒ 8. STOP PROCESSES AND/OR OPERATIONS;
☒ 9. AUTOMATIC / ELECTRONIC EQUIPMENT SHUT-OFF SYSTEM;
☒ 10. SHUT-OFF WATER, GAS, ELECTRICAL UTILITIES AS APPROPRIATE;
☒ 11. CALL 9-1-1 FOR PUBLIC EMERGENCY RESPONDER ASSISTANCE / MEDICAL AID;
☒ 12. NOTIFY AND EVACUATE PERSONS IN ALL THREATENED AREAS;
☒ 13. ACCOUNT FOR EVACUATED PERSONS IMMEDIATELY AFTER EVACUATION CALL;
☐ 14. PROVIDE PROTECTIVE EQUIPMENT FOR ON-SITE RESPONSE TEAM;
☒ 15. REMOVE OR ISOLATE CONTAINERS / AREA AS APPROPRIATE;
☒ 16. HIRE LICENSED HAZARDOUS WASTE CONTRACTOR;
☒ 17. USE ABSORBENT MATERIAL FOR SPILLS WITH SUBSEQUENT PROPER LABELING, STORAGE, AND HAZARDOUS WASTE DISPOSAL AS APPROPRIATE;
☐ 18. SUCTION USING SHOP VACUUM WITH SUBSEQUENT PROPER LABELING, STORAGE, AND HAZARDOUS WASTE DISPOSAL AS APPROPRIATE;
☐ 19. WASH / DECONTAMINATE EQUIPMENT W/ CONTAINMENT and DISPOSAL OF EFFLUENT / RINSATE AS HAZARDOUS WASTE;
☒ 20. PROVIDE SAFE TEMPORARY STORAGE OF EMERGENCY-GENERATED WASTES;
☐ 21. OTHER (Specify):

D2.

E. FACILITY EVACUATION

THE FOLLOWING ALARM SIGNAL(S) WILL BE USED TO BEGIN EVACUATION OF THE FACILITY (CHECK ALL THAT APPLY): E1.

☐ 1. BELLS;
☐ 2. HORNS/SIRENS;
☒ 3. VERBAL (i.e., SHOUTING);
☐ 4. OTHER (Specify): E2.

THE FOLLOWING LOCATION(S) IS/ARE EVACUEE EMERGENCY ASSEMBLY AREA(S) (i.e., Front parking lot, specific street corner, etc.) E3.

AT NORTH DRIVEWAY ON LUNDY AVE.

Note: The Emergency Coordinator must account for all on site employees and/or site visitors after evacuation.

☒ EVACUATION ROUTE MAP(S) POSTED AS REQUIRED E4.

Note: The map(s) must show primary and alternate evacuation routes, emergency exits, and primary and alternate staging areas, and must be prominently posted throughout the facility in locations where it will be visible to employees and visitors.

F. ARRANGEMENTS FOR EMERGENCY SERVICES

Explanation of Requirement: Advance arrangements with local fire and police departments, hospitals, and/or emergency services contractors should be made as appropriate for your facility. You may determine that such arrangements are not necessary.

ADVANCE ARRANGEMENTS FOR LOCAL EMERGENCY SERVICES (Check one of the following) F1.

☒ 1. HAVE BEEN DETERMINED NOT NECESSARY; *or*
☐ 2. THE FOLLOWING ARRANGEMENTS HAVE BEEN MADE (Specify): F2.

G. EMERGENCY EQUIPMENT

Check all boxes that apply to list emergency response equipment available at the facility and identify the location(s) where the equipment is kept and the equipment's capability, if applicable. [e.g., ☒ CHEMICAL PROTECTIVE GLOVES | Spill response kit | One time use, Oil & solvent resistant only.]

TYPE	EQUIPMENT AVAILABLE	LOCATION	CAPABILITY *(If applicable)*
Safety and First Aid	1. ☐ CHEMICAL PROTECTIVE SUITS, APRONS, OR VESTS	G2.	G3.
	2. ☒ CHEMICAL PROTECTIVE GLOVES	Employee Restroom G4.	Rubber Gloves G5.
	3. ☐ CHEMICAL PROTECTIVE BOOTS	G6.	G7.
	4. ☒ SAFETY GLASSES / GOGGLES / SHIELDS	Employee Restroom G8.	Goggles G9.
	5. ☐ HARD HATS	G10.	G11.
	6. ☐ CARTRIDGE RESPIRATORS	G12.	G13.
	7. ☐ SELF-CONTAINED BREATHING APPARATUS (SCBA)	G14.	G15.
	8. ☒ FIRST AID KITS / STATIONS	Storeroom G16.	Standard First Aid Kit G17.
	9. ☐ PLUMBED EYEWASH FOUNTAIN / SHOWER	G18.	G19.
	10. ☐ PORTABLE EYEWASH KITS	G20.	G21.
	11. ☐ OTHER	G22.	G23.
	12. ☐ OTHER	G24.	G25.
Fire Fighting	13. ☒ PORTABLE FIRE EXTINGUISHERS	1-In Sales Area, 2-Exter. Wall G26.	Common Fire Extinguisher G27.
	14. ☐ FIXED FIRE SYSTEMS / SPRINKLERS / FIRE HOSES	G28.	G29.
	15. ☐ FIRE ALARM BOXES OR STATIONS	G30.	G31.
	16. ☐ OTHER	G32.	G33.
Spill Control and Clean-Up	17. ☐ ALL-IN-ONE SPILL KIT	G34.	G35.
	18. ☒ ABSORBENT MATERIAL	Employee Restroom G36.	Kitty Litter G37.
	19. ☒ CONTAINER FOR USED ABSORBENT	Waste Area G38.	Steel Container G39.
	20. ☐ BERMING / DIKING EQUIPMENT	G40.	G41.
	21. ☒ BROOM	Employee Restroom G42.	G43.
	22. ☒ SHOVEL	Employee Restroom G44.	G45.
	23. ☐ SHOP VAC	G46.	G47.
	24. ☐ EXHAUST HOOD	G48.	G49.
	25. ☐ EMERGENCY SUMP / HOLDING TANK	G50.	G51.
	26. ☐ CHEMICAL NEUTRALIZERS	G52.	G53.
	27. ☐ GAS CYLINDER LEAK REPAIR KIT	G54.	G55.
	28. ☐ SPILL OVERPACK DRUMS	G56.	G57.
	29. ☐ OTHER	G58.	G59.
Communi-cations and Alarm Systems	30. ☒ TELEPHONES (Includes cellular)	Cashier Area G60.	Telephones & Cellular phones G61.
	31. ☐ INTERCOM / PA SYSTEM	G62.	G63.
	32. ☐ PORTABLE RADIOS	G64.	G65.
	33. ☒ AUTOMATIC ALARM CHEMICAL MONITORING EQUIPMENT	Back Room Of Mini Mart G66.	Veeder Root G67.
Other	34. ☐ OTHER	G68.	G69.
	35. ☐ OTHER	G70.	G71.

H. EARTHQUAKE VULNERABILITY

Identify areas of the facility that are vulnerable to hazardous materials releases / spills due to earthquake-related motion. These areas require immediate isolation and inspection.

VULNERABLE AREAS: (Check all that apply)	H1.	LOCATIONS (e.g., shop, outdoor shed, forensic lab)	
☒ 1. HAZARDOUS MATERIALS / WASTE STORAGE AREA		Waste Area – See Site Map	H2.
☐ 2. PROCESS LINES / PIPING			H3.
☐ 3. LABORATORY			H4.
☐ 4. WASTE TREATMENT AREA			H5.

Identify mechanical systems vulnerable to releases / spills due to earthquake-related motion. These systems require immediate isolation and inspection.

VULNERABLE SYSTEMS: (Check all that apply)	H6.	LOCATIONS	
☐ 1. SHELVES, CABINETS AND RACKS			H7.
☒ 2. TANKS (EMERGENCY SHUTOFF)		2-EXTER. WALL,1-CASHIER,1- ESO PANEL	H8.
☐ 3. PORTABLE GAS CYLINDERS			H9.
☒ 4. EMERGENCY SHUTOFF AND/OR UTILITY VALVES		STOREROOM	H10.
☐ 5. SPRINKLER SYSTEMS			H11.
☐ 6. STATIONARY PRESSURIZED CONTAINERS (e.g., Propane dispensing tank)			H12.

I. EMPLOYEE TRAINING

Explanation of Requirement: Employee training is required for all employees handling hazardous materials and hazardous wastes in day-to-day or clean-up operations including volunteers and/or contractors. Training must be:

- Provided within 6 months for new hires;
- Amended as necessary prior to change in process or work assignment;
- Given upon modification to the Emergency Response / Contingency Plan, and updated/refreshed annually for all employees.

Required content includes all of the following:

- Material Safety Data Sheets;
- Hazard communication related to health and safety;
- Methods for safe handling of hazardous substances;
- Fire hazards of materials / processes;
- Conditions likely to worsen emergencies;
- Coordination of emergency response;
- Notification procedures;
- Applicable laws and regulations;
- Communication and alarm systems;
- Personal protective equipment;
- Use of emergency response equipment (e.g. Fire extinguishers, respirators, etc.);
- Decontamination procedures;
- Evacuation procedures;
- Control and containment procedures;
- UST monitoring system equipment and procedures (if applicable).

INDICATE HOW EMPLOYEE TRAINING PROGRAM IS ADMINISTERED (Check all that apply) I1.

☐ 1. FORMAL CLASSROOM; ☐ 2. VIDEOS; ☒ 3. SAFETY / TAILGATE MEETINGS;

☐ 4. STUDY GUIDES / MANUALS (Specify): I2.

☒ 5. OTHER (Specify): All Employees are trained within 30 days of hire date by designated operator, yearly follow ups. I3.

☐ 6. NOT APPLICABLE BECAUSE FACILITY HAS NO EMPLOYEES

Large Quantity Generator (LQG) Training Records: Large quantity hazardous waste generators (i.e., who generate more than 270 gallons/1,000 kilograms of hazardous waste per month) must retain written documentation of employee hazardous waste management training sessions which includes:

- A written outline/agenda of the type and amount of both introductory and continuing training that will be given to persons filling each job position having responsibility for the management of hazardous waste (e.g., labeling, manifesting, compliance with accumulation time limits, etc.).
- The name, job title, and date of training for each hazardous waste management training session given to an employee filling such a job position; and
- A written job description for each of the above job positions that describes job duties and the skills, education, or other qualifications required of personnel assigned to the position.
- Current employee training records must be retained until closure of the facility.
- Former employee training records must be retained at least three years after termination of employment.

J. LIST OF ATTACHMENTS

(Check one of the following) J1.

☐ 1. NO ATTACHMENTS ARE REQUIRED; *or*

☒ 2. THE FOLLOWING DOCUMENTS ARE ATTACHED: J2.

Business Plan
Map

K. SIGNATURE / CERTIFICATION

Certification: Based on my inquiry of those individuals responsible for obtaining the information, I certify under penalty of law that I have personally examined and am familiar with the information submitted and believe the information is true, accurate, and complete, and that a copy is available on site.

SIGNATURE OF OWNER/OPERATOR	DATE SIGNED K1.
Sunny Goyal	May 17, 2013
NAME OF SIGNER (print) K2.	TITLE OF SIGNER K3.
Sunny Goyal	Project Manager

EMERGENCY RESPONSE PROCEDURES

1. PREVENTION

Describe the kinds of hazards associated with the materials present at your business. Provide information on the steps taken at your business, or the policies or procedures now in place, to **help prevent** an accidental release of a hazardous material. Issues for discussion may include safety, storage, and containment procedures. Please be specific for each type of Hazardous Material at your facility.

The hazardous at this business are fire and spills associated with gasoline dispensing. Gasoline dispensing is supervised by trained personnel. Additional hazardous materials are stored in minimum quantities and stored in small, unbreakable containers. All underground storage tanks are monitored using an approved monitoring method.

2. MITIGATION

Describe the procedures to be followed to **reduce the severity** of a release or threatened release of a hazardous material at your business. The procedures should detail the actions to be taken by employees to stop a release, contain a release, or to reduce the problems associated with a release. What is your immediate response to a spill, fire, explosion or airborne release at your business? Do not write procedures that exceed the capabilities of employees or equipment at your business or that violate any worker's safety laws.

Small incidents: For leaks and spills less than 5 gallons, isolate the area and contain with absorbent material. Clean up the spill immediately to prevent spreading. For fires, turn off pumps, use fire extinguisher if it can be done safely.
Larger incidents: Turn off pumps using emergency pump shut-off, call 9-1-1, evacuate to emergency assembly area, wait for emergency personnel to respond. Immediately contact the business owner, if not already on site.
In the event of a line break or other gas release, evacuate the area and thoroughly ventilate the area until the gas dissipates. Immediately contact the gas supplier for assistance.

3. ABATEMENT

Describe what you would do to **stop** and **remove** each hazard. How do you handle the complete process of stopping a release, cleaning up, and disposing of released materials at your business? What aspects of the response are beyond your ability and need to be handled by others? Who would you call to handle the release?

Small incidents will be handled with the on-site clean-up equipment, (i.e., brooms, shovel, absorbent material, mops, etc.). For larger incidents, the on-site manager will turn off the pumps, call 9-1-1, and the owner. For suspected leaks the owner will contact an authorized contractor to assist in the investigation of the incident. If a UST leak is confirmed, then reporting will be done by the owner, which complies with UST regulations. The owner will coordinate with any contractors required to stop a release, clean up a release and/or dispose of materials. All materials will be disposed of in accordance with state, federal and local laws and regulations. Vacate the building and ventilate thoroughly.

4. EVACUATION

Describe the procedures to be followed for immediate notification and evacuation of your facility.

If warranted, evacuate to the designated assembly located at: AT NORTH DRIVEWAY ON LUNDY AVE. The manager or lead employee will take a head count to verify all employees have evacuated safely. The manager or employee will confer the responding agencies to indicate the magnitude of the emergency. Re-Entry into the facility will only take place after the owner or manager verifies with the responding agency personnel to ensure it is safe.

5. EARTHQUAKES

Identify the areas and equipment in your business, which would require **immediate inspection or isolation** due to their vulnerability to earthquake related ground motion. Check for equipment such as gas cylinders, piping, drums, etc., that may need to be Secured or spillage that may require mitigation or abatement.

Key areas to inspect are the UST tank monitor alarm panel, dispenser islands, and any additional hazardous materials storage areas.

EMERGENCY RESPONSE PROCEDURES

In the event of a fire, spill, or a leak or suspected leak in the tanks and/or piping, the following steps are to be taken **as applicable**:

1. TURN OFF PUMPS using the Emergency Pump Shut-Off Switch.

2. EVACUATION: If there is any immediate danger, verbally ANNOUNCE to all persons on the site: "There is an emergency. Please turn off your engines and leave the station on foot immediately." All employees are to meet at the emergency assembly area.

3. CALL FOR HELP in case of an emergency by dialing 9-1-1 and giving the following information:

   "THERE IS A FIRE / GASOLINE SPILL at the station at located at 1705 Berryessa Road." If anyone is trapped or needs medical attention, tell the answering dispatcher. Stay on the phone and be prepared to answer any questions concerning the situation.

4. LOOK AROUND to assure that all others have left the station if necessary, particularly those in vehicles who may need assistance or may not have heard the emergency announcement. Assist, or direct assistance to, anyone having difficulty leaving the station and anyone who may be injured.

5. ATTEMPT TO EXTINGUISH any small or incipient fire if you can do so safely. Have the fire extinguisher ready to use in the event of any spill. Try to contain any large spill, or use absorbent on smaller spills.

6. REPORT to arriving emergency response personnel to provide them with any information or assistance they might need.

7. CONTACT the station owner if s/he is not already at the station. Use the list below for emergency contacts:
   Primary Contact: Name: Rajinder Goyal Title: Territory Manager
   Address:
   Bus #/Home #: 510-364-0883 / 510-364-0883 /
   Secondary Contact: Name: Sunny Goyal Title: Project Manager
   Address:
   Bus #/Home #: 510-657-9150 / 650-799-2949 /

8. NOTIFY The Owner or Emergency Maintenance Contractor by phone **IMMEDIATELY.**

   The owner will notify the appropriate State and Local agencies.
   A. LOCAL AGENCY: Santa Clara Co. Dept. of Env. Health
   PHONE NUMBER: 408-918-3400
   B. California Emergency Management Agency (Cal-EMA) (800) 852-7550 (24 HOURS)
   C. LOCAL POLICE AND FIRE DEPARTMENTS, **911**

9. Owner/Manager should attempt to isolate leak location by inspection.

10. The owner will coordinate whatever corrective actions need to be taken beyond the Manager's capabilities. The owner will file whatever reports need to be filed with local and state agencies.

11. EVACUATION: In the event evacuation is necessary, the attendant will announce for all customers and personnel to evacuate the building using the nearest exit door. All persons should go to the emergency meeting area as designated on the site map.

12. RE-ENTRY: If evacuation has occurred and emergency responders have been called, re-entering this facility should take place with extreme caution and only under the direction of the senior emergency responder on site.

EMPLOYEE TRAINING PLAN

Employees must be given this training before starting work, and refresher courses must be provided annually. Records must be kept to show when each station employee has been given his/her safety training. Use the following outline and make copies as needed. Have employee date and sign this document upon completion of training. Retain these records for a minimum of three years.

I. FIRST THINGS TO KNOW:

1. EMERGENCY PUMP SHUT-OFF: This turns off the turbine pumps that provide flow to the dispensers from the underground tanks. In case of a leak, shutting off the pumps will help to prevent spills.

   Location: 2-EXTER. WALL,1-CASHIER,1- ESO PANEL

2. ELECTRICAL PANEL: The panel allows you to selectively cut off power to lights, signs, pumps, etc. The main switch kills all power at the site.

   Location: STOREROOM

3. WATER SHUT-OFF: The water shut-off may be necessary in some cases.

   Location: IN SIDEWALK ALONG LUNDY AVENUE

4. TANK MONITORING ALARM: Monitoring panel for the Underground Storage Tanks. This panel will indicate when a leak is detected by a visual and audible alarm.

   Location: BACK ROOM OF MINI MART

5. NATURAL GAS SHUT-OFF: If your station has natural gas, it may be necessary to shut-off the natural gas flow in an emergency.

   Location: NONE

6. PROPANE/LPG: If your station has a propane or liquefied petroleum gas tank - In the event of a release or fire, turn off the manual valves and shut off the power to the dispensing pumps. Call your supplier or dial 9-1-1 as appropriate.

7. FIRST AID KIT:

   Location: STOREROOM

8. FIRE EXTINGUISHER: Use only on small fires that you can handle. Do not attempt to extinguish large fires on your own; call 9-1-1 for help.
   Location: 1-IN SALES AREA,2-EXTER. WALL

9. ABSORBENT: In the form of crystals or cloth, absorbent can soak up small spills of gasoline, diesel fuel, or other petroleum products. Absorbent should be used rather that washing spills down a drain. In case of large spill, merely try to contain it; a vacuum truck should be used to clean up any large spill.
   Location: EMPLOYEE RESTROOM

10. EMERGENCY ASSEMBLY AREA: Location where all employees are to meet in the event of an emergency.

    Location: AT NORTH DRIVEWAY ON LUNDY AVE.

11. HAZARDOUS MATERIAL MANAGEMENT PLAN (HMMP) & MATERIAL SAFETY DATA SHEET (MSDS):

    Location: CASHIER AREA

II. NEAREST MEDICAL FACILITY: Employees should know what facilities are available in case customers or other employees need medical attention.

1. NAME: SANTA CLARA VALLEY MEDICAL CENTER
   ADDRESS: 751 BASCOM AVE, SAN JOSE
   PHONE NUMBER: 408-885-5000

SECONDARY HOSPITAL:

2. NAME: SANTA CLARA VALLEY MEDICAL CENTER
   ADDRESS: 751 BASCOM AVE, SAN JOSE
   PHONE NUMBER: 408-885-5000

III. All employees should review the Hazardous Material Plan, of which this training plan is a part. Specifically, each employee should understand the procedures to be used in responding to various kinds of emergencies, and know how to monitor for leaks of hazardous materials. As a supplement to this package, employees should also review the Emergency Response Plan filed by your business to the appropriate local agency. Thirdly, employees should review and have access to the Materials Safety Data Sheets you have on file for each of the hazardous materials stored at the station and must be drilled in all emergency response procedures contained herein.

IV. FIRST AID PROCEDURES (For exposure to gasoline or diesel fuel):

A. EYE CONTACT: Flush with water for 15 minutes while holding eyelids open. Get medical attention.

B. SKIN CONTACT: Flush with water while removing contaminated clothing and shoes. Follow by washing with soap and water. Do not reuse clothing or shoes until cleaned. If irritation persists, get medical attention.

C. INHALATION (Breathing): Remove victim to fresh air and provide oxygen if breathing is difficult. If not breathing, give artificial respiration. Get medical attention.

D. INGESTION (Swallowing):

DO NOT INDUCE VOMITING BECAUSE GASOLINE CAN ENTER LUNGS AND CAUSE SEVERE LUNG DAMAGE! If vomiting occurs spontaneously keep head below hips to prevent aspiration of liquid into lungs. Get medical attention.

E. NOTE TO PHYSICIAN: If more than 2.0 ml per kg has been ingested and vomiting has not occurred, emesis should be induced with medical supervision. Keep victim's head below hips to prevent aspiration. If symptoms such as loss of gag reflex, convulsions or unconsciousness occur before emesis, gastric lavage using a cuffed endotracheal tube should be considered.

F. For further information, consult the Materials Safety Data Sheets for these products and for other hazardous materials.

FIRST AID FOR EXPOSURE TO OTHER MATERIALS: Consult the warning advice on container labels or refer to the MSDS for that product.

Document prepared by: Environmental Staff, STANTEC ARCHITECTURE INC., 707-765-1660

HAZARDOUS MATERIALS TRAINING REQUIREMENTS

As the owner/operator of a business that handles hazardous materials, you must have the following:

1. A Hazard Communication Plan (also known as an Employee Right-to-Know Plan)

2. A SARA Tier II Chemical Inventory Report (in California this report is included in the Hazardous Materials Management Plan, also known as the CA Business Emergency Plan)

3. An Emergency Response Plan

4. An Underground Storage Tank Monitoring and Leak Detection Plan

5. A Release Reporting Plan

Each of these plans requires employee training. Training must be documented by a written description of the topics covered and by a dated signature of the employees receiving the training. Annual refresher training is required and the introductions of new hazardous materials or changes in procedures require immediate retraining. Training requirements that are common to more than one of these plans only needs to be given once to satisfy all of the plans containing that requirement as long as the training addresses the concerns of each plan.

1. Training for the Hazard Communication Plan must include the following elements:

2. An overview of the requirements contained in the Hazard Communication Regulation and the worker's rights under the Regulation.

3. Locations of any operations in the work area where hazardous substances are present.

4. Location where copies of the written Hazard Communication program is made available to them.

5. How to read labels and Material Safety Data Sheets (MSDS) to obtain appropriate hazard information, including physical and health effects of hazardous substances in the work place.

6. How to detect the presence of or the release of hazardous substances in the work place.

7. How to minimize the exposure to these hazardous substances, by proper use of engineering controls, work practices, and/or personal protective equipment (gloves, etc).

8. Emergency and first aid procedures to follow if employees are exposed to hazardous substances.

ON-SITE TRAINING FORM - NEW EMPLOYEE TRAINING VERIFICATION

Name of Company: _____

Street Address:_____

City, Zip Code:_____

Employee Name (Print)_____

I acknowledge that I have received and understand environmental compliance training in the following areas (please initial or mark N/A for not applicable):

	Initial	Date
UST System Operations		
1. The types and locations of the tanks at the facility		
2. The type and operation of the leak detection system		
3. For electronic monitors, daily monitoring check log and alarm log		
Hazardous Materials Management (Hazardous Materials Management/Business Plan)		
1. Which materials at the facility are hazardous		
2. Where these materials are stored		
3. How these materials are to be handled, stored, and disposed of		
4. What Material Safety Data Sheets (MSDS) are and where they are kept at the facility		
5. Training topics included in the HMMP, including review of MSDS and the emergency response plan		
Spill and Leak Response (Spill Response Plan)		
1. Location of spill response equipment		
2. Location of spill or leak contact list, reporting procedures		
3. Location of emergency fuel shut-off switch		
Inventory Reconciliation		
1. How to perform accurate inventory control		
2. Follow-up of gasoline inventory overage/shortage (variance)		
3. Reporting and maintaining inventory records		
Daily Self Inspection*		
1. Type and operation of vapor recovery equipment at the facility		
2. How to perform daily inspection of equipment		
3. Procedures for non-compliance equipment (tag out of order), complete maintenance log		
Record Keeping (Maintenance, monitor, testing, wastes, inspections, inventory, permits, training, etc.)		
1. Location where records are kept		
2. Types of records maintained at the facility/ length of time each record should be kept		

_____ _____ _____

Employee Signature Social Sec. Number Date

Training verified by_____ _____

Instructor Date

MAINTAIN THIS FORM THE ENTIRE TIME THE EMPLOYEE WORKS AT THE FACILITY
ON-SITE TRAINING FORM

ANNUAL REFRESHER TRAINING VERIFICATION

Name of Company:_____

Street Address:_____

City, Zip Code:_____

Employee Name (Print)_____

I acknowledge that I have received and understand environmental compliance training in the following areas (please initial or mark N/A for not applicable):

	Initial	Date
Hazardous Materials Management (Hazardous Materials Management/Business Plan)		
1. Which materials at the facility are hazardous		
2. Where these materials are stored		
3. How these materials are to be handled, stored, and disposed of		
4. What Material Safety Data Sheets (MSDS) are and where they are kept at the facility		
5. Training topics included in the HMMP, including review of MSDS and the emergency response plan		
Spill and Leak Response (Spill Response Plan)		
1. Location of spill response equipment		
2. Location of spill or leak contact list, reporting procedures		
3. Location of emergency fuel shut-off switch		

_____ _____ _____
Employee Signature Social Sec. Number Date

Training verified by_____ _____
Instructor Date

MAINTAIN THIS FORM THE ENTIRE TIME THE EMPLOYEE WORKS AT THE FACILITY

Facility/Site

BERRYESSA SHELL #164
1705 BERRYESSA RD
SAN JOSE, CA 95133

CERS ID
10092730

Submittal Status

Submitted on 3/31/2015 by *Gina Pimentel* of AU Energy LLC (Fremont, CA)

Type of Action

Confirmed/Updated Information

Facility Information

BERRYESSA SHELL #164
1705 BERRYESSA RD
SAN JOSE, CA 95133

Facility Type	Board of Equalization Account Number
Motor Vehicle Fueling	44048001

Is the facility located on Indian Reservation/Trust lands?
No

Tank Operator

AU Energy, LLC
(510) 657-9150
41805 Albrae Street
Fremont, CA 94538

Property Owner

AU Energy, LLC
(510) 657-9150
41805 Albrae Street
Fremont, CA 94538

Tank Owner

AU Energy, LLC
(510) 657-9150
41805 Albrae Street
Fremont, CA 94538

Tank Owner Type
Non-Government

Permit Holder Information

Permit Holder Notification Information	Supervisor of Division, Section, or Office (Required for Public Agencies Only)
Tank Owner	

Financial Responsibility Mechanism(s)

Indicate which approved mechanism(s) are being used to show financial responsibility either as contained in the federal regulations (40 CFR, Part 280, Subpart H, Sections 280.93 through 280.107) or CCR, Title 23, Division 3, Chapter 18, Section 2808.1.

Self-Insured	Surety Bond	State Fund and CFO Letter **Yes**	Other Mechanism
Guarantee	Letter of Credit	State Fund and CD	
Insurance	Exemption	Local Government Mechanism	

Applicant Certification

Applicant Name	Applicant Title	Applicant Phone	Date Certified
Sunny Goyal	Project Manager	(510) 657-9150	5/20/2013

California Environmental Reporting System (CERS) — Underground Storage Tank - Tank Information

Facility/Site

BERRYESSA SHELL #164
1705 BERRYESSA RD
SAN JOSE, CA 95133

CERS ID
10092730

Submittal Status

Submitted on 3/31/2015 by *Gina Pimentel* of AU Energy LLC (Fremont, CA)

Type of Action

Type of Action (UST Tank)
Confirmed/Updated Information

Facility Information

BERRYESSA SHELL #164
1705 BERRYESSA RD
SAN JOSE, CA 95133

Tank Description

Tank ID#	Date UST System Installed	Tank Configuration
1	1/1/1988	A Stand-alone Tank
Tank Manufacturer	**Date Existing UST Discovered**	**Number of Compartments in the Unit**
Owens Corning		1
Tank Capacity In Gallons	**Date UST Permanently Closed**	**Additional Description**
12000		

Tank Use and Contents

Tank Use
Motor Vehicle Fueling

Tank Contents
Regular Unleaded

Other Petroleum Contents

Other Non-Petroleum Contents

Tank Construction

Type of Tank
Double Wall

Primary Containment
Fiberglass

Secondary Containment
Fiberglass

Overfill Protection

	Audible/Visual Alarms	Yes	Fill Tube Shut-Off Valve
	Ball Float		Exempt

Product / Waste Piping Construction

Piping Construction	Primary Containment	Secondary Containment	Piping/Turbine Containment Sump
Double-walled	Fiberglass	Fiberglass	Single-walled
Piping System Type			
Pressure			

Vent, Vapor Recovery (VR) and Riser / Fill Pipe Piping Construction

Primary Containment	Vapor Recovery Primary Containment	Riser Pipe Primary Containment	Vent Piping Transition Sumps
Fiberglass	Fiberglass	Steel	Single-walled
			Fill Components Installed
Secondary Containment	**Vapor Recovery Secondary Containment**	**Riser Pipe Secondary Containment**	Yes — Spill Bucket
Fiberglass	Fiberglass	Fiberglass	Yes — Striker Plate/Bottom Protector
			Yes — Containment Sump

Under Dispenser Containment (UDC)

Construction Type	Construction Material
Single-walled	Fiberglass

Corrosion Protection

	Sacrificial Anode
	Impressed Current
Yes	Isolation

Applicant Certification

Applicant Name	Applicant Title	Date Certified
Sunny Goyal	Project Manager	5/20/2013

California Environmental Reporting System (CERS) — Underground Storage Tank - Tank Information

Facility/Site

BERRYESSA SHELL #164
1705 BERRYESSA RD
SAN JOSE, CA 95133

CERS ID
10092730

Submittal Status

Submitted on 3/31/2015 by *Gina Pimentel* of AU Energy LLC (Fremont, CA)

Type of Action

Type of Action (UST Tank)
Confirmed/Updated Information

Facility Information

BERRYESSA SHELL #164
1705 BERRYESSA RD
SAN JOSE, CA 95133

Tank Description

Tank ID#	Date UST System Installed	Tank Configuration
2	1/1/1988	A Stand-alone Tank
Tank Manufacturer	**Date Existing UST Discovered**	**Number of Compartments in the Unit**
Owens Corning		1
Tank Capacity In Gallons	**Date UST Permanently Closed**	**Additional Description**
12000		

Tank Use and Contents

Tank Use
Motor Vehicle Fueling

Tank Contents
Premium Unleaded

Other Petroleum Contents

Other Non-Petroleum Contents

Tank Construction

Type of Tank
Double Wall

Primary Containment
Fiberglass

Secondary Containment
Fiberglass

Overfill Protection

	Audible/Visual Alarms	Yes	Fill Tube Shut-Off Valve
	Ball Float		Exempt

Product / Waste Piping Construction

Piping Construction	Primary Containment	Secondary Containment	Piping/Turbine Containment Sump
Double-walled	Fiberglass	Fiberglass	Single-walled
Piping System Type			
Pressure			

Vent, Vapor Recovery (VR) and Riser / Fill Pipe Piping Construction

Primary Containment	Vapor Recovery Primary Containment	Riser Pipe Primary Containment	Vent Piping Transition Sumps
Fiberglass	Fiberglass	Steel	Single-walled
			Fill Components Installed
Secondary Containment	**Vapor Recovery Secondary Containment**	**Riser Pipe Secondary Containment**	Yes — Spill Bucket
Fiberglass	Fiberglass	Fiberglass	Yes — Striker Plate/Bottom Protector
			Yes — Containment Sump

Under Dispenser Containment (UDC)

Construction Type	Construction Material
Single-walled	Fiberglass

Corrosion Protection

	Sacrificial Anode
	Impressed Current
Yes	Isolation

Applicant Certification

Applicant Name	Applicant Title	Date Certified
Sunny Goyal	Project Manager	5/20/2013

California Environmental Reporting System (CERS) — Underground Storage Tank - Tank Information

Facility/Site

BERRYESSA SHELL #164
1705 BERRYESSA RD
SAN JOSE, CA 95133

CERS ID
10092730

Submittal Status

Submitted on 3/31/2015 by *Gina Pimentel* of AU Energy LLC (Fremont, CA)

Type of Action

Type of Action (UST Tank)
Confirmed/Updated Information

Facility Information

BERRYESSA SHELL #164
1705 BERRYESSA RD
SAN JOSE, CA 95133

Tank Description

Tank ID#	Date UST System Installed	Tank Configuration
3	1/1/1988	A Stand-alone Tank
Tank Manufacturer	**Date Existing UST Discovered**	**Number of Compartments in the Unit**
Owens Corning		1
Tank Capacity In Gallons	**Date UST Permanently Closed**	**Additional Description**
12000		

Tank Use and Contents

Tank Use
Motor Vehicle Fueling

Tank Contents
Diesel

Other Petroleum Contents

Other Non-Petroleum Contents

Tank Construction

Type of Tank
Double Wall

Primary Containment
Fiberglass

Secondary Containment
Fiberglass

Overfill Protection

	Audible/Visual Alarms	Yes	Fill Tube Shut-Off Valve
	Ball Float		Exempt

Product / Waste Piping Construction

Piping Construction	Primary Containment	Secondary Containment	Piping/Turbine Containment Sump
Double-walled	Fiberglass	Fiberglass	Single-walled
Piping System Type			
Pressure			

Vent, Vapor Recovery (VR) and Riser / Fill Pipe Piping Construction

Primary Containment	Vapor Recovery Primary Containment	Riser Pipe Primary Containment	Vent Piping Transition Sumps
Fiberglass	None	Steel	Single-walled
Secondary Containment	**Vapor Recovery Secondary Containment**	**Riser Pipe Secondary Containment**	**Fill Components Installed**
Fiberglass	None	Fiberglass	

Yes	Spill Bucket
Yes	Striker Plate/Bottom Protector
Yes	Containment Sump

Under Dispenser Containment (UDC)

Construction Type
Single-walled

Construction Material
Fiberglass

Corrosion Protection

	Sacrificial Anode
	Impressed Current
Yes	Isolation

Applicant Certification

Applicant Name	Applicant Title	Date Certified
Sunny Goyal	Project Manager	5/20/2013

Facility/Site

BERRYESSA SHELL #164
1705 BERRYESSA RD
SAN JOSE, CA 95133

CERS ID
10092730

UST Tank #
1

Submittal Status

Submitted on 3/31/2015 by *Gina Pimentel* of AU Energy LLC (Fremont, CA)

Facility Information

BERRYESSA SHELL #164
1705 BERRYESSA RD
SAN JOSE, CA 95133

Equipment Testing and Preventive Maintenance

Monitoring Equipment Serviced
Annually

Monitoring Locations

Site Plot Plan Submitted
New Plan Submitted

Tank Monitoring is Performed Using the Following Method(s)

Yes Continuous Electronic Tank Monitoring

Secondary Containment System	Monitor Panel Manufacturer	Leak Sensor Manufacturer
Dry	Veeder Root	Veeder Root
	Monitor Panel Model	Leak Sensor Model #
	TLS-350	794380-407

Automatic Tank Gauging

ATG Panel Manufacturer	In-Tank Probe Manufacturer	Leak Test Frequency	Programmed Tank Tests
ATG Model #	In-tank Probe Model		

Monthly Statistical Inventory Reconciliation

Weekly Manual Tank Gauge

Tank Gauging Test Period

Tank Integrity Testing

Tank Integrity Testing Frequency

Other Monitoring

Facility/Site

BERRYESSA SHELL #164
1705 BERRYESSA RD
SAN JOSE, CA 95133

CERS ID
10092730

UST Tank #
1

Pipe Monitoring is Performed Using the Following Method(s)

Yes Continuous Monitoring of Piping Secondary Containment

Piping Secondary Containment
Dry

Panel Manufacturer
Veeder Root

Panel Model #
TLS-350

Leak Sensor Manufacturer
Veeder Root

Leak Sensor Model #
794380-208

Yes Leak Alarm Triggers Automatic Pump Shutdown
Yes Failure/Disconnect Triggers Pump Shutdown

Mechanical Line Leak Detector Performs 3 GPH Leak Test

MLLD Manufacturer

MLLD Model

Yes Electronic Line Leak Detector Performs 3 GPH Leak Test

ELLD Manufacturer
Veeder Root

ELLD Programmed In-Line Testing
0.2 GPH

ELLD Triggers Automatic Pump Shutdown
Yes

ELLD Model
PLLD

ELLD Failure/Disconnect Triggers Automatic Shutdown
Yes

Pipeline Integrity Testing

Visual Pipeline Monitoring

Pipeline Integrity Testing Frequency

Visual Pipeline Monitoring Frequency

Suction Piping Meets Exemption Criteria

No Regulated Piping Per Health and Safety Code, Division 20, Chapter 6.7 Is Connected To The Tank System

Other Pipeline Monitoring

Under Dispenser Containment (UDC) Monitoring

UDC Monitoring
Continuous

UDC Panel Manufacturer
Veeder Root

UDC Panel Model #
TLS-350

UDC Leak Sensor Manufacturer
Veeder Root

UDC Leak Sensor Model
794380-208

Detection of Leak into UDC Triggers Audible and Visual Alarms
Yes

UDC Leak Alarm Triggers Automatic Pump Shutdown
Yes

Failure/Disconnection of UDC Monitoring System Triggers Automatic Pump Shutdown
Yes

UDC Monitoring Stops Flow of Product at Dispenser
Yes

UDC Construction
Single-walled

UDC Secondary Containment Monitoring

Leak Within Secondary Containment of UDC Causes Audible and Visual Alarms

Periodic System Testing

ELD Testing
Yes Secondary Containment Testing
Yes Spill Bucket Testing

Facility/Site

BERRYESSA SHELL #164
1705 BERRYESSA RD
SAN JOSE, CA 95133

CERS ID
10092730

UST Tank #
1

Recordkeeping

Yes	Alarm Logs
Yes	Visual Inspection Records
Yes	Tank Integrity Testing Results
	SIR Testing Results
	Tank Gauging Results
	ATG Testing Results
	Corrosion Protection Logs
Yes	Equipment Maintenance and Calibration Records

Training

Yes	Personnel with UST Monitoring Responsibilities are Familiar with Training Documents
Yes	UST Monitoring Plan
Yes	Operating Manuals
	CA UST Regulations
	CA UST Law
	SWRCB Handbook for Tank Owners - Manual and SIR
	SWRCB Publication: Understanding Automatic Tank Gauging Systems
	Other Training Documents
Yes	Designated Operator Training

Comments / Additional Information

Comments and Additional Information

Personnel Responsibilities

Name of First Person Having Responsibility	Name of Second Person Having Responsibility
Rajinder Goyal	Sunny Goyal
Title of First Person Having Responsibility	**Title of Second Person Having Responsibility**
Territory Manager	Project Manager

Applicant Certification

Applicant Name	Applicant Title	Signature Date	Signature Representation
Sunny Goyal	Project Manager	5/20/2013	Tank Owner/Operator

Facility/Site

BERRYESSA SHELL #164
1705 BERRYESSA RD
SAN JOSE, CA 95133

CERS ID
10092730

UST Tank #
2

Submittal Status

Submitted on 3/31/2015 by *Gina Pimentel* of AU Energy LLC (Fremont, CA)

Facility Information

BERRYESSA SHELL #164
1705 BERRYESSA RD
SAN JOSE, CA 95133

Equipment Testing and Preventive Maintenance

Monitoring Equipment Serviced
Annually

Monitoring Locations

Site Plot Plan Submitted
New Plan Submitted

Tank Monitoring is Performed Using the Following Method(s)

Yes Continuous Electronic Tank Monitoring

Secondary Containment System
Dry

Monitor Panel Manufacturer
Veeder Root

Monitor Panel Model
TLS-350

Leak Sensor Manufacturer
Veeder Root

Leak Sensor Model #
794380-407

Automatic Tank Gauging

ATG Panel Manufacturer

In-Tank Probe Manufacturer

Leak Test Frequency

Programmed Tank Tests

ATG Model #

In-tank Probe Model

Monthly Statistical Inventory Reconciliation

Weekly Manual Tank Gauge

Tank Gauging Test Period

Tank Integrity Testing

Tank Integrity Testing Frequency

Other Monitoring

Facility/Site

BERRYESSA SHELL #164
1705 BERRYESSA RD
SAN JOSE, CA 95133

CERS ID
10092730

UST Tank #
2

Pipe Monitoring is Performed Using the Following Method(s)

Yes Continuous Monitoring of Piping Secondary Containment

Piping Secondary Containment
Dry

Panel Manufacturer
Veeder Root

Panel Model #
TLS-350

Leak Sensor Manufacturer
Veeder Root

Leak Sensor Model #
794380-208

Yes Leak Alarm Triggers Automatic Pump Shutdown
Yes Failure/Disconnect Triggers Pump Shutdown

Mechanical Line Leak Detector Performs 3 GPH Leak Test

MLLD Manufacturer

MLLD Model

Yes Electronic Line Leak Detector Performs 3 GPH Leak Test

ELLD Manufacturer
Veeder Root

ELLD Programmed In-Line Testing
0.2 GPH

ELLD Triggers Automatic Pump Shutdown
Yes

ELLD Model
PLLD

ELLD Failure/Disconnect Triggers Automatic Shutdown
Yes

Pipeline Integrity Testing

Visual Pipeline Monitoring

Pipeline Integrity Testing Frequency

Visual Pipeline Monitoring Frequency

Suction Piping Meets Exemption Criteria

No Regulated Piping Per Health and Safety Code, Division 20, Chapter 6.7 Is Connected To The Tank System

Other Pipeline Monitoring

Under Dispenser Containment (UDC) Monitoring

UDC Monitoring
Continuous

UDC Panel Manufacturer
Veeder Root

UDC Panel Model #
TLS-350

UDC Leak Sensor Manufacturer
Veeder Root

UDC Leak Sensor Model
794380-208

Detection of Leak into UDC Triggers Audible and Visual Alarms
Yes

UDC Leak Alarm Triggers Automatic Pump Shutdown
Yes

Failure/Disconnection of UDC Monitoring System Triggers Automatic Pump Shutdown
Yes

UDC Monitoring Stops Flow of Product at Dispenser
Yes

UDC Construction
Single-walled

UDC Secondary Containment Monitoring

Leak Within Secondary Containment of UDC Causes Audible and Visual Alarms

Periodic System Testing

ELD Testing
Yes Secondary Containment Testing
Yes Spill Bucket Testing

Facility/Site

BERRYESSA SHELL #164
1705 BERRYESSA RD
SAN JOSE, CA 95133

CERS ID
10092730

UST Tank #
2

Recordkeeping

Yes	Alarm Logs
Yes	Visual Inspection Records
Yes	Tank Integrity Testing Results
	SIR Testing Results
	Tank Gauging Results
	ATG Testing Results
	Corrosion Protection Logs
Yes	Equipment Maintenance and Calibration Records

Training

Yes	Personnel with UST Monitoring Responsibilities are Familiar with Training Documents
Yes	UST Monitoring Plan
Yes	Operating Manuals
	CA UST Regulations
	CA UST Law
	SWRCB Handbook for Tank Owners - Manual and SIR
	SWRCB Publication: Understanding Automatic Tank Gauging Systems
	Other Training Documents
Yes	Designated Operator Training

Comments / Additional Information

Comments and Additional Information

Personnel Responsibilities

Name of First Person Having Responsibility	Name of Second Person Having Responsibility
Rajinder Goyal	Sunny Goyal
Title of First Person Having Responsibility	**Title of Second Person Having Responsibility**
Territory Manager	Project Manager

Applicant Certification

Applicant Name	Applicant Title	Signature Date	Signature Representation
Sunny Goyal	Project Manager	5/20/2013	Tank Owner/Operator

Facility/Site

BERRYESSA SHELL #164
1705 BERRYESSA RD
SAN JOSE, CA 95133

CERS ID
10092730

UST Tank #
3

Submittal Status

Submitted on 3/31/2015 by *Gina Pimentel* of AU Energy LLC (Fremont, CA)

Facility Information

BERRYESSA SHELL #164
1705 BERRYESSA RD
SAN JOSE, CA 95133

Equipment Testing and Preventive Maintenance

Monitoring Equipment Serviced
Annually

Monitoring Locations

Site Plot Plan Submitted
New Plan Submitted

Tank Monitoring is Performed Using the Following Method(s)

Yes Continuous Electronic Tank Monitoring

Secondary Containment System
Dry

Monitor Panel Manufacturer
Veeder Root

Monitor Panel Model
TLS-350

Leak Sensor Manufacturer
Veeder Root

Leak Sensor Model #
794380-407

Automatic Tank Gauging

ATG Panel Manufacturer

In-Tank Probe Manufacturer

Leak Test Frequency

Programmed Tank Tests

ATG Model #

In-tank Probe Model

Monthly Statistical Inventory Reconciliation

Weekly Manual Tank Gauge

Tank Gauging Test Period

Tank Integrity Testing

Tank Integrity Testing Frequency

Other Monitoring

Facility/Site

BERRYESSA SHELL #164
1705 BERRYESSA RD
SAN JOSE, CA 95133

CERS ID
10092730

UST Tank #
3

Pipe Monitoring is Performed Using the Following Method(s)

Yes Continuous Monitoring of Piping Secondary Containment

Piping Secondary Containment
Dry

Panel Manufacturer
Veeder Root

Panel Model #
TLS-350

Leak Sensor Manufacturer
Veeder Root

Leak Sensor Model #
794380-208

Yes Leak Alarm Triggers Automatic Pump Shutdown
Yes Failure/Disconnect Triggers Pump Shutdown

Mechanical Line Leak Detector Performs 3 GPH Leak Test

MLLD Manufacturer

MLLD Model

Yes Electronic Line Leak Detector Performs 3 GPH Leak Test

ELLD Manufacturer
Veeder Root

ELLD Programmed In-Line Testing
0.2 GPH

ELLD Triggers Automatic Pump Shutdown
Yes

ELLD Model
PLLD

ELLD Failure/Disconnect Triggers Automatic Shutdown
Yes

Pipeline Integrity Testing

Visual Pipeline Monitoring

Pipeline Integrity Testing Frequency

Visual Pipeline Monitoring Frequency

Suction Piping Meets Exemption Criteria

No Regulated Piping Per Health and Safety Code, Division 20, Chapter 6.7 Is Connected To The Tank System

Other Pipeline Monitoring

Under Dispenser Containment (UDC) Monitoring

UDC Monitoring
Continuous

UDC Panel Manufacturer
Veeder Root

UDC Panel Model #
TLS-350

UDC Leak Sensor Manufacturer
Veeder Root

UDC Leak Sensor Model
794380-208

Detection of Leak into UDC Triggers Audible and Visual Alarms
Yes

UDC Leak Alarm Triggers Automatic Pump Shutdown
Yes

Failure/Disconnection of UDC Monitoring System Triggers Automatic Pump Shutdown
Yes

UDC Monitoring Stops Flow of Product at Dispenser
Yes

UDC Construction
Single-walled

UDC Secondary Containment Monitoring

Leak Within Secondary Containment of UDC Causes Audible and Visual Alarms

Periodic System Testing

ELD Testing
Yes Secondary Containment Testing
Yes Spill Bucket Testing

Facility/Site

BERRYESSA SHELL #164
1705 BERRYESSA RD
SAN JOSE, CA 95133

CERS ID
10092730

UST Tank #
3

Recordkeeping

Yes	Alarm Logs
Yes	Visual Inspection Records
Yes	Tank Integrity Testing Results
	SIR Testing Results
	Tank Gauging Results
	ATG Testing Results
	Corrosion Protection Logs
Yes	Equipment Maintenance and Calibration Records

Training

Yes	Personnel with UST Monitoring Responsibilities are Familiar with Training Documents
Yes	UST Monitoring Plan
Yes	Operating Manuals
	CA UST Regulations
	CA UST Law
	SWRCB Handbook for Tank Owners - Manual and SIR
	SWRCB Publication: Understanding Automatic Tank Gauging Systems
	Other Training Documents
Yes	Designated Operator Training

Comments / Additional Information

Comments and Additional Information

Personnel Responsibilities

Name of First Person Having Responsibility	Name of Second Person Having Responsibility
Rajinder Goyal	Sunny Goyal
Title of First Person Having Responsibility	**Title of Second Person Having Responsibility**
Territory Manager	Project Manager

Applicant Certification

Applicant Name	Applicant Title	Signature Date	Signature Representation
Sunny Goyal	Project Manager	5/20/2013	Tank Owner/Operator

UNDERGROUND STORAGE TANK

RESPONSE PLAN – PAGE 1

(One form per facility)

TYPE OF ACTION ☐ 1. NEW PLAN ☒ 2. CHANGE OF INFORMATION R01.

I. FACILITY INFORMATION

FACILITY ID # *(Agency Use Only)* — —

BUSINESS NAME (Same as FACILITY NAME) R02.

Berryessa Shell #164

BUSINESS SITE ADDRESS R03.	CITY R04.
1705 Berryessa Road	San Jose

II. SPILL CONTROL AND CLEANUP METHODS

This plan addresses unauthorized releases from UST systems and supplements the emergency response plans and procedures in the facility's Hazardous Materials Business Plan.

- If safe to do so, facility personnel will take immediate measures to control or stop any release (e.g., activate pump shut-off, etc.) and, if necessary, safely remove remaining hazardous material from the UST system.
- Any release to secondary containment will be pumped or otherwise removed within a time consistent with the ability of the secondary containment system to contain the hazardous material, but not greater than 30 calendar days, or sooner if required by the local agency. Recovered hazardous materials, unless still suitable for their intended use, will be managed as hazardous waste.
- Absorbent material will be used to contain and clean up manageable spills of hazardous materials. Absorbent material may be reused until it becomes too saturated to be effective. It will then be managed properly. Used absorbent material, reusable or waste, will be stored in a properly labeled and sealed container.
- Facility personnel will determine whether or not any water removed from secondary containment systems, or from clean-up activity, has been in contact with any hazardous material. If the water is contaminated, it will be managed as hazardous waste. If the water has a petroleum sheen (i.e., rainbow colors), it is contaminated. A thick floating petroleum layer may not necessarily display rainbow colors. Water (hazardous or non-hazardous) from sumps, spill containers, etc. will not be disposed to storm water systems.
- We will review secondary containment systems for possible deterioration if any of the following conditions occur:
  1. Hazardous material in contact with secondary containment is not compatible with the material used for secondary containment;
  2. Secondary containment is prone to damage from any equipment used to remove or clean up hazardous material collected in secondary containment;
  3. Hazardous material, other than the product/waste stored in the primary containment system, is placed inside secondary containment to treat or neutralize released product/waste, and the added material or resulting material from such a combination is not compatible with secondary containment.

III. SPILL CONTROL AND CLEAN-UP EQUIPMENT

PERIODIC MAINTENANCE: Spill control and clean-up equipment kept permanently on-site is listed in the facility's Hazardous Materials Business Plan. This equipment is inspected at least monthly, and after each use, and supplies are replenished as needed. Defective equipment is repaired or replaced as necessary.

EQUIPMENT NOT PERMANENTLY ON-SITE, BUT AVAILABLE FOR USE IF NEEDED: (Complete only if applicable)

EQUIPMENT	LOCATION	AVAILABILITY
Absorbent granules or pads R10.	EMPLOYEE RESTROOM R20.	At all times R30.
R11.	R21.	R31.
R12.	R22.	R32.
R13.	R23.	R33.
R14.	R24.	R34.
R15.	R25.	R35.

IV. RESPONSIBLE PERSONS

THE FOLLOWING PERSON(S) IS/ARE RESPONSIBLE FOR AUTHORIZING ANY WORK NECESSARY UNDER THIS RESPONSE PLAN:

NAME	TITLE
Rajinder Goyal R40.	Territory Manager R50.
Sunny Goyal R41.	Project Manager R51.
R42.	R52.
R43.	R53.

V. MONITORING INDICATORS

IF MONITORING INDICATES A POSSIBLE UNAUTHORIZED RELEASE, STEPS TO VERIFY THE RELEASE WILL BE MADE AS FOLLOWS:

☐ Additional system testing or data collection ☒ Inspection by qualified persons ☐ Recalibration of equipment

Other: Tester or Designated Operator R60.

UNDERGROUND STORAGE TANK

RESPONSE PLAN – PAGE 2

VI. REPORTING AND RECORD KEEPING

We will report/record any overfill, spill, or unauthorized release from a UST system as indicated in this plan.

Recordable Releases: Any unauthorized release from primary containment which the UST operator is able to clean up within eight (8) hours after the release was detected or should reasonably have been detected, and which does not escape from secondary containment, does not increase the hazard of fire or explosion, and does not cause any deterioration of secondary containment, must be recorded in the facility's monitoring records. Monitoring records must include:

- The UST operator's name and telephone number;
- A list of the types, quantities, and concentrations of hazardous substances released;
- A description of the actions taken to control and clean up the release;
- The method and location of disposal of the released hazardous substances, and whether a hazardous waste manifest was or will be used;
- A description of actions taken to repair the UST and to prevent future releases;
- A description of the method used to reactivate interstitial monitoring after replacement or repair of primary containment.

Reportable Releases: Any overfill, spill, or unauthorized release which escapes from secondary containment (or primary containment if no secondary containment exists), increases the hazard of fire or explosion, or causes any deterioration of secondary containment, is a reportable release. Reportable releases are also recordable.

Within 24 hours after a reportable release has been detected, or should have been detected, we will notify the local agency administering the UST program of the release, investigate the release, and take immediate measures to stop the release. If necessary, or if required by the local agency, remaining stored product/waste will be removed from the UST to prevent further releases or facilitate corrective action. If an emergency exists, we will notify the State Office of Emergency Services.

Within five (5) working days of a reportable release, we will submit to the local agency a full written report containing all of the following information to the extent that the information is known at the time of filing the report:

- The UST owner's or operator's name and telephone number;
- A list of the types, quantities, and concentrations of hazardous materials released;
- The approximate date of the release;
- The date on which the release was discovered;
- The date on which the release was stopped;
- A description of actions taken to control and/or stop the release;
- A description of corrective and remedial actions, including investigations which were undertaken and will be conducted to determine the nature and extent of soil, ground water or surface water contamination due to the release;
- The method(s) of cleanup implemented to date, proposed cleanup actions, and a schedule for implementing the proposed actions;
- The method(s) and location(s) of disposal of released hazardous materials and any contaminated soils, groundwater, or surface water.
- Copies of any hazardous waste manifests used for off-site transport of hazardous wastes associated with clean-up activity;
- A description of proposed methods for any repair or replacement of UST system primary/secondary containment systems;
- A description of additional actions taken to prevent future releases.

We will follow the reporting procedures described above if any of the following conditions occur:

- A recordable unauthorized release cannot be cleaned up or is still under investigation within eight (8) hours of detection;
- Released hazardous substances are discovered at the UST site or in the surrounding area;
- Unusual operating conditions are observed, including erratic behavior of product dispensing equipment, sudden loss of product, or the unexplained presence of water in the tank, unless system equipment is found to be defective and is immediately repaired or replaced, and no leak has occurred;
- Monitoring results from UST system monitoring equipment/methods indicate that a release may have occurred, unless the monitoring equipment is found to be defective and is immediately repaired, recalibrated, or replaced, and additional monitoring does not confirm the initial results.

Record Retention: Monitoring records and written reports of unauthorized releases must be maintained on-site (or off-site at a readily available location, if approved by the local agency) for at least 3 years. Hazardous waste shipping/disposal records (e.g., manifests) must be maintained for at least 3 years from the date of shipment.

VII. OWNER/OPERATOR SIGNATURE

CERTIFICATION: I certify that the information provided herein is true and accurate to the best of my knowledge.

OWNER/OPERATOR SIGNATURE Sunny Goyal	DATE R70. May 17, 2013
OWNER/OPERATOR NAME (print) R71. Sunny Goyal	OWNER/OPERATOR TITLE R72. Project Manager

(Agency Use Only) This plan has been reviewed and: ☐ Approved ☐ Approved With Conditions ☐ Disapproved

Local Agency Signature: _____ Date: _____

APPENDIX D: NOISE ASSESSMENT

Convenience Store, Gas Station and Car Wash – 1705 Berryessa Avenue

San Jose, CA

Extant Project No. 160701.01

September 9, 2016

Prepared for:

AU Energy LLC
41805 Albrae Street
Fremont, CA 94538

1705 Berryessa Avenue

Convenience Store, Gas Station and Car Wash

Environmental Noise Assessment

Extant Report No. 160701.01

September 9, 2016

Prepared for:

A.U. Energy LLC

41805 Albrae Street
Fremont, CA 94538

Prepared by:

Michael Carr, INCE, CTS
Principal Consultant

EXTANT ACOUSTICAL CONSULTING LLC

4220 Duluth Ave., Suite A
Rocklin, CA 95765
T 916.520.4322

Executive Summary

A.U. Energy LLC, with the assistance of MI Architects, Inc., is proposing the reconstruction of an existing Shell gasoline station with additional ancillary uses in San Jose, CA. The project site is located on the west corner of the Berryessa Road and Lundy Avenue intersection, in the City of San Jose, California. The project site address is 1705 Berryessa Road and is bounded by noise-sensitive multi-family residential use along the northwest and southwest property lines. The location of the project site is shown in Figure 1. The proposed site plan and configuration of the proposed project is presented in Figure 2.

The project proposes to construct a new convenience store, in-bay automated car wash and retail location on the existing site. The existing gas station will remain as it is currently situated. The hours of operation for the proposed project were assumed to remain consistent with current 24 hour operations.

Extant Acoustical Consulting LLC (Extant) was retained by the project applicant to perform a noise analysis for the proposed project. In this report, Extant reviews applicable noise standards and criteria, presents the noise monitoring program, evaluates the existing noise environment, and describes modeling assumptions and methodologies used to predict noise emissions due to the proposed project. Findings of the study were evaluated and analyzed against applicable City of San Jose noise standards.

The existing noise levels and observations from the noise monitoring program were used as the basis for modeling of the existing noise environment and evaluation of the potential for project noise levels to effect the existing noise environment. Modeled traffic noise level exposures at noise-sensitive receivers in the project area were predicted to range from approximately 65 to 68 dBA DNL.

Noise levels from the operation of the proposed project are anticipated to range approximately 53 to 54 dBA DNL at the noise prediction receivers, with the incorporation of the prescribed mitigation measures (discussed in Section 5.3). Based on existing noise levels experienced in the vicinity of the project site, project-generated average day-night noise levels are predicted to be at or below ambient noise levels in the majority of the project study area. Moreover, project-generated noise levels are not anticipated to cause a significant increase in the existing noise environment in the project study area.

Based on the assumptions and analysis presented in this report, we conclude the following:

- The predicted average day-night noise levels (DNL) generated from operation of the proposed project are predicted to comply with the City of San Jose exterior noise level standards at noise sensitive receptors in the project vicinity.
- Due to the elevated ambient noise environment in the general vicinity of the project, average day-night noise levels associated with project operations are predicted to be below ambient noise levels currently experienced in the majority project study area.
- Development of the proposed car wash is anticipated to comply with the City of San Jose significant increase criteria as outlined in General Plan Policy EC-1.2.
- Activities associated with the development and operation of the proposed project are predicted to comply with City of San Jose standards for protection of the existing noise environment.

Contents

1 Introduction ... 1

2 Project Description ... 1

3 Environmental Setting ... 1
3.1 Existing Noise Sensitive Land Uses ... 2
3.2 Existing Ambient Noise Survey ... 2
3.2.1 Long-Term Monitoring ... 2
3.2.2 Short-Term Noise Monitoring ... 3
3.2.3 Existing Traffic Noise ... 4

4 Regulatory Criteria ... 6
4.1 City of San Jose General Plan ... 6
4.2 The City of San Jose Municipal Code ... 7

5 Project Noise Analysis ... 8
5.1 Car Wash Operation Noise Levels ... 8
5.2 Additional On-Site Operational Noise Levels ... 9
5.2.1 Vacuum Stations ... 9
5.2.2 Gas Station Convenience Store and Retail Operations ... 9
5.3 Mitigation ... 11
5.4 Effect on Existing Environment ... 12

6 Conclusion ... 13

Works Cited ... 27

Appendix A Description of Noise Metrics ... A-1

Appendix B Long-Term Noise Monitoring Data ... B-1

Appendix C Manufacturer Sound Level Data ... C-1

Tables

Table 1 – Summary of Long-Term Noise Monitoring 3
Table 2 – Summary of Short-Term Noise Monitoring 4
Table 3 – Modeled Existing Traffic Noise Levels 5
Table 4 – Land Use Compatibility Guidelines in San Jose (City of San Jose General Plan Noise Element, Table EC-1) 7
Table 5 – Modeled Car Wash Noise Levels – Existing Noise Barrier 10
Table 6 – Modeled Car Wash Noise Levels – with Mitigation 11
Table 6 – Modeled Project Noise Level Effect 12

Figures

Figure 1 – Existing Project Area 15
Figure 2 – Proposed Project Site Plan 17
Figure 3 – Modeled Car Wash Noise Levels 19
Figure 4 – Modeled Overall Project Noise Levels 21
Figure 5 – Existing Plus Project Noise Levels 23
Figure 6 – Effect of Project on Existing Noise Environment (Relative Increase) 25

1 Introduction

A.U. Energy LLC, with the assistance of MI Architects, Inc. is proposing the demolition and reconstruction of the existing Shell gasoline station and ancillary uses located at the project site. The proposed project site is located on the west corner of the Berryessa Road and Lundy Avenue intersection, in the City of San Jose, California. The proposed project site is located at 1705 Berryessa Rd. and is bounded by multi-family residential along the northwestern and southwestern property lines, Lundy Ave. on the north, and Berryessa Road on the southeast. The location of the project site is shown in Figure 1. The proposed site plan and configuration of the proposed project is presented in Figure 2.

Extant Acoustical Consulting LLC (Extant) was retained by the project applicant to perform a noise analysis for the car wash included within the proposed project. This report reviews applicable noise standards and criteria, evaluates the existing noise environment, and describes modeling assumptions and methodologies used to predict noise emissions from gas station and car wash operations. Furthermore the report assesses the potential for project-generated noise levels to result in noise impacts on nearby noise-sensitive receptors and land uses. Appendix A provides a description of the various noise metrics and terminology used in this report.

2 Project Description

The proposed project being considered proposes to demolish the existing structure that houses the current car wash equipment room and bathrooms. A new convenience store, automated car wash and retail space would be constructed on the southern portion of the site. The project would also incorporate a queuing lane and mechanical room for the car wash, signage, and landscaping; lastly, the proposed project includes an air and water station at the northern property boundary adjacent to Lundy Ave. Parking for the project would be located adjacent to the convenience store and retail space; with additional parking located along the northern project boundary.

The proposed demolition and reconstruction of the existing Shell Gas Station and Car Wash facility and the proximity of nearby noise-sensitive receptors has prompted the City of San Jose to request an acoustical analysis be prepared to analyze potential noise impacts associated with the proposed project, and more specifically the car wash operations.

3 Environmental Setting

The Project site is generally located in the northwestern portion of the City of San Jose, in the Berryessa area. The land uses surrounding the project site includes a mix of single and multifamily residential, commercial and neighborhood retail uses.

The project area has a number of noise influences, the most dominant being traffic noise. Commercial areas in the general area contribute to the ambient noise level to a lesser extent. The project area experiences occasional aircraft overflights largely associated with the aviation operations of San Jose International Airport; which is located approximately 2.5 miles west.

The residential property boundaries that adjoin the proposed project site currently have an existing noise protection barrier in place along the adjoining property line. The existing property line noise barrier is approximately 5 to 6 feet in height, relative to the existing residential grade.

3.1 Existing Noise Sensitive Land Uses

Noise-sensitive land uses are generally described as those uses where exposure to excessive noise would result in adverse effects, as well as uses where quiet is an essential element of the intended purpose. Residential dwellings are of primary concern due to the potential for increased and prolonged exposure of individuals to excessive interior and exterior noise levels.

Noise-sensitive residential receptors within closest proximity to the project study area include the multifamily residential located along the Project's northwest and southwest property line.

3.2 Existing Ambient Noise Survey

An ambient noise survey was conducted by Extant from July 05, 2016 through July 11, 2016 to document the ambient noise in the vicinity of the existing Shell gas station and car wash located at 1705 Berryessa Road. Long-term unattended ambient noise monitoring was performed at two (2) locations on the project site from July 5th through July 6th. Short-term noise level monitoring was performed at six (6) locations on the project site on July 11th, 2016. Locations of the noise monitoring sites are presented on an aerial photograph of the area on Figure 1. On Figure 1, the long-term noise measurement sites are represented as LT-##; short-term measurement locations are shown as ST-##.

Noise measurements were performed using Larson Davis Laboratories (LDL) Model 831 precision integrating sound level meters (SLMs). Field calibrations were performed on the SLM with an acoustic calibrator before and after the measurements. Equipment meets all pertinent specifications of ANSI S1.4-1983 (R2006) for Type 1 SLMs. All instrumentation components, including microphones, preamplifiers and field calibrators have laboratory certified calibrations traceable to the National Institute of Standards and Technology (NIST). The microphones were located at a minimum height of 5-6 ft. above the ground, an average height for a person standing, and located a sufficient distance away from reflective surfaces in the monitoring area. Noise measurements were performed in accordance with American National Standards Institute (ANSI) and American Standards for Testing and Measurement (ASTM) guidelines.

The noise monitoring equipment was configured to catalog all noise metrics pertinent to identification and evaluation of noise levels (i.e., Leq, Lmax, Ln, etc.) in the study area. Monitoring data was collected for the overall measurement period and each hourly period.

The following sections discuss the overall monitoring results for the long-term and short-term measurements.

3.2.1 Long-Term Monitoring

Long-term noise monitoring data collected during the noise monitoring program serves to establish a baseline for ambient noise levels in the project vicinity. Additionally, the noise levels cataloged illustrate the dinural pattern experienced at the site; and allow for correlation of hourly noise levels collected at the short-term monitoring locations with the 24-hour day-night noise levels. Long-term noise monitoring was conducted from July 05, 2106 through July 06, 2016 at two locations on the project site.

During the long-term monitoring, the primary background noise source affecting the monitoring location was vehicular traffic on the local roadway network (Lundy Ave. and Berryessa Rd.) and the existing car wash operations on the project site. Additional noise sources experienced during the long-term noise monitoring period included aircraft over-flights, emergency vehicle pass-bys and general community noise in the residential neighborhood.

Ambient noise level exposure at the monitoring location was fairly dependent on the relative distance from nearby transportation noise sources and the existing car wash.

Noise monitoring data is summarized below Table 1 for the long-term noise monitoring location in; with detailed noise level data provided in tabular and graph form in Appendix B. The average day-night (DNL) noise level measured during the long-term ambient noise monitoring survey ranged from approximately 65 to 68 dBA DNL. Maximum hourly noise levels (Lmax) documented during the long-term monitoring ranged from approximately 62 to 93 dBA Lmax, with average daytime and nighttime levels from approximately 79 to 82 and 69 to 78 dBA Lmax, respectively.

Table 1 – Summary of Long-Term Noise Monitoring

				Average Hourly Noise Levels, dBA							
				Daytime				Nighttime			
Site	Description[1]	Date	DNL	Leq	Lmax	L50	L90	Leq	Lmax	L50	L90
LT-01	Western area of project site. Adjacent to 1681 River Birch Ct.	07/05/16 to 07/06/16	65.0	65.0	78.9	59.9	55.0	55.0	68.7	47.7	44.6
LT-02	Southern area of project site. Adjacent to 1680 River Birch Ct.	07/05/16 to 07/06/16	67.9	66.2	82.4	61.2	54.2	59.7	77.6	51.1	44.8

Notes: dBA = A-weighted decibels; DNL = 24-hour day-night noise level; Leq = equivalent average noise level; Lmax = maximum noise level; L50 = sound level exceeded 50% of the hour; L90 = sound level exceeded 90% of the hour, typically represents the background noise level.
1 – Measurement locations are provided in Figure 1 as an overlay on an aerial photograph.
Source: Extant Acoustical Consulting LLC, 2016

3.2.2 Short-Term Noise Monitoring

Short-term attended monitoring was performed by Extant staff at six (6) locations on the project site on July 11, 2016. Detailed observations about the measurement environment, existing noise sources, and other elements with the potential to effect the measurement or the Project were documented throughout the monitoring program. Short-term monitoring locations are depicted on Figure 1.

Monitoring sites ST-01 though ST-03 were located along the adjoining residential property lines to provide additional information on existing noise level exposure at the property lines. Monitoring sites ST-04 and ST-05 were positioned at the entrance and exit of the existing car wash. ST-05 and ST-05 provide additional information about noise levels generated by the existing car wash and provide correlation with long-term monitoring data. Monitoring site ST-06 was located adjacent to existing fueling operations to evaluated noise levels generated by gasoline station operations.

Noise experienced at the short-term monitoring locations ST-01 through ST-03 was predominately due to vehicular traffic on the local roadway network and noise from the existing car wash. Noise levels observed at ST-04 through ST-06 were used to characterize existing source noise levels occurring on the project site.

Overall noise levels measured at the short-term environmental noise monitoring locations ranged from approximately 60 to 71 dBA Leq. Maximum noise levels documented during the monitoring survey ranged from approximately 71 to 88 dBA Lmax. Noise level exposure was directly dependent on the distance of the monitoring location from surrounding traffic noise

sources. Table 2 presents the overall monitoring results for each of the short-term monitoring locations, along with some general notes from each site.

Table 2 – Summary of Short-Term Noise Monitoring

Site	Description[1]	Start Time	Average Noise Levels (dBA) Leq	Lmax	L50	L90	Notes/Sources
Environmental Noise Measurements							
ST-01	Southern Corner of Project Site - Berryessa Rd Traffic	4:30 PM	70.9	88.3	67.2	66.8	Traffic calibration measurement.
ST-02	Adjacent to 1740 River Birch Drive Property Line.	5:15 PM	60.3	71.3	59.0	58.7	Traffic on Lundy and Berryessa, car wash and gas station operations.
ST-03	Adjacent to 1746 River Birch Drive Property Line.	5:15 PM	62.2	71.2	59.4	59.1	Traffic on Lundy and Berryessa, gas station operations.
Source Noise Measurements							
ST-04	Car Wash Entrance (20 ft. from tunnel opening)	5:01 PM	73.6	83.9	69.8	69.5	Car wash noise.
ST-05	Car Wash Entrance (20 ft. from tunnel opening)	5:01 PM	80.2	88.5	73.3	73.1	Car wash noise.
ST-06	Gas Station Operations (10-15 ft. from sources)	5:27 PM	61.0	75.4	59.7	59.2	On-site operations at the gas station.
		5:37 PM	61.2	75.2	60.0	59.7	

Notes: dB = A-weighted decibels; Leq = equivalent average noise level; Lmax = maximum noise level; L50 = sound level exceeded 50% of the period; L90 = sound level exceeded 90% of the hour, typically represents the background noise level.
1 – Measurement locations are provided in Figure 1 as an overlay on an aerial photograph.
Source: Extant Acoustical Consulting LLC, 2016

3.2.3 Existing Traffic Noise

Existing traffic noise levels were modeled for roadway segments in the project vicinity based on the Federal Highway Administration (FHWA) Highway Traffic Noise Model (TNM) Version 2.5® prediction methodologies, and traffic data for project area roadways from the traffic impact analysis prepared for the City of San Jose Envision 2040 EIR (City of San Jose 2008). The FHWA TNM incorporates state-of-the-art sound emissions and sound propagation algorithms, based on well-established theory and accepted international standards. The acoustical algorithms contained within the FHWA TNM have been validated with respect to carefully conducted noise measurement programs, and show excellent agreement in most cases for sites with and without noise barriers (FHWA 1998).

Noise modeling for the project was performed through the application of established assessment methodologies and algorithms to propagate noise levels into the surrounding community (e.g., traffic noise via FHWA TNM 2.5) within the SoundPLAN noise modeling program. The model incorporated a three-dimensional geometric model of the study area developed from digital terrain information, available GIS information, aerial photography and information provided by the project team. The noise modeling accounted for factors as vehicle volume, speed, vehicle type, roadway configuration, distance to the receiver, and propagation over different types of ground (acoustically soft and hard ground). In order to ensure that modeled existing traffic noise levels correlate with measured traffic noise levels, observations and data collected during short-term noise monitoring was used to calibrate the traffic model.

Modeled traffic noise levels were found to be reasonably consistent with traffic noise measurements conducted at the project site, under-predicting traffic noise levels by approximately 0 to 1.5 dB. This would result in an over-estimation of the effect of the Project on the existing environment. As this would result in a conservative analysis, calibration offsets were not applied to the model.

Noise prediction receivers were placed within the noise model, representing noise-sensitive receptors (i.e., single family residences, multi-family residential, outdoor activity areas, schools, etc.), locations of key interest, and the locations of the noise monitoring sites used during the field survey. Modeled traffic noise exposure levels at nearby noise-sensitive receivers in the immediate project vicinity are shown in Table 3. Equal level noise contours for the modeled existing traffic conditions in the project area are presented graphically in Figure 1. As shown in Table 3, modeled traffic noise level exposures at noise-sensitive receivers in the project area range from approximately 63 to 67 dBA DNL.

Table 3 – Modeled Existing Traffic Noise Levels

Site	Location	Noise Level Exposure (DNL, dBA)
P-01	Northern property line adjacent to 1752 River Birch Drive.	65
P-02	Northern property line adjacent to 1748 River Birch Drive.	64
P-03	Northwestern property line adjacent to 1742 River Birch Drive.	64
P-04	Western property line adjacent to 1738 River Birch Drive.	64
P-05	Southwestern property line adjacent to 1681 River Birch Court	63
P-06	Southwestern property line adjacent to 1680 River Birch Court	67

Notes: dBA = A-weighted decibels; DNL = Day Night noise level.
Locations of noise monitoring sites and noise prediction receivers with modeled existing traffic noise level contours are shown on Figure 1.
Source: Extant Acoustical Consulting LLC, 2016

4 Regulatory Criteria

Standards and guidelines for addressing noise exposure within the City of San Jose are contained primarily in the City of San Jose General Plan, with additional guidelines found in the City of San Jose Municipal Code.

4.1 City of San Jose General Plan

The General Plan Noise Element establishes objectives, policies, and actions to protect its inhabitants against exposure of noise-sensitive uses to loud noise and to prevent encroachment of noise-sensitive uses on existing noise producing facilities.

The General Plan establishes exterior noise level standards and maximum allowable noise exposure levels at noise-sensitive land uses, which are considered "normally acceptable", and represented below in Table 4 (Section EC-1.1 and Table EC-1 of the City of San Jose General Plan). The noise level guidelines are presented in terms of the 24-hour CNEL or DNL noise level in dBA. The intent of these guidelines is to affect new project development through the discretionary review process to reduce potential noise exposure and excessive noise within the community.

As outlined in policy EC-1.2, the General Plan seeks to minimize noise impacts of new development on existing noise-sensitive receptors by limiting the effect a project may have on the existing ambient noise environment. A project is considered to cause a significant noise impact if the DNL at noise-sensitive receptors would increase by 5 dBA or more, where ambient noise levels would remain "Normally Acceptable" (60 dBA DNL); or if a project would result in an increase of 3 dBA or more, where noise levels would equal or exceed the "Normally Acceptable" level (60 dBA DNL).

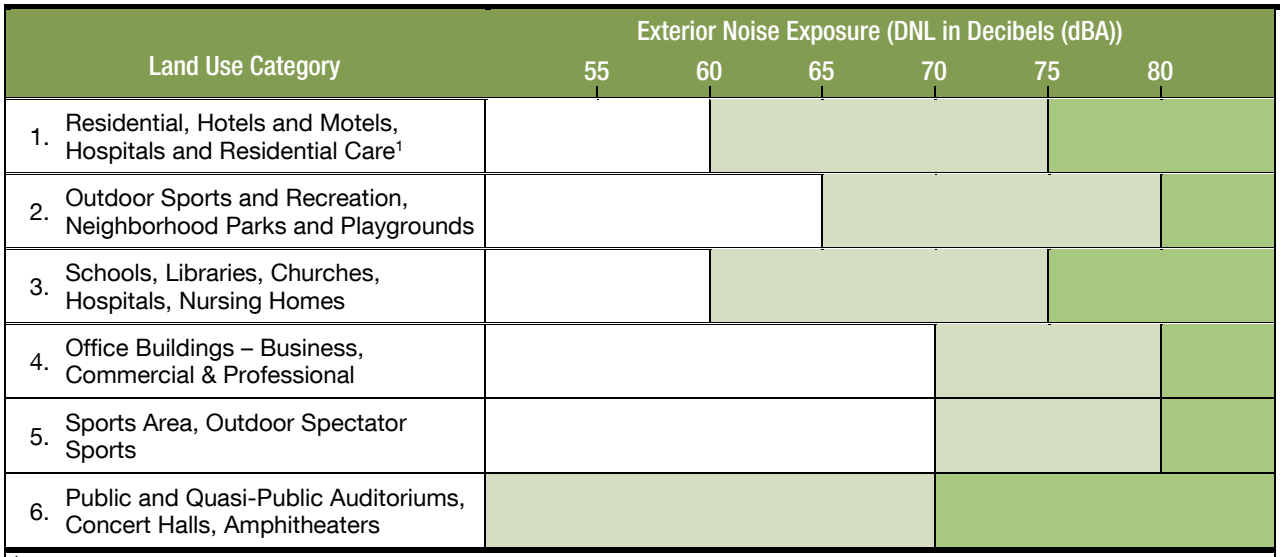
Policy EC-1.3 of the General Plan limits noise generation for new non-residential land uses which are adjacent to residential land uses, to 55 dBA DNL at the residential property line.

The effects of operational noise are discussed briefly in General Plan Policy EC-1.6, which prescribes regulation of commercial and industrial operational noise levels through application of the City's Municipal Code. The Municipal Code standards are discussed in the following section.

The General Plan provides guidelines for construction operations within Policy EC-1.7, requiring construction operations within San Jose to use best available noise suppression devices and techniques; and limit construction hours near residential uses per the City's Municipal Code.

Policy EC-1.8 of the General Plan states that commercial drive-thru uses will only be allowed "when consistency with the City's exterior noise level guidelines and compatibility with adjacent land uses can be demonstrated."

Table 4 – Land Use Compatibility Guidelines in San Jose
(City of San Jose General Plan Noise Element, Table EC-1)



[1] Noise mitigation to reduce interior noise levels pursuant to Policy EC-1.1 is required.

Normally Acceptable	Specified land use is satisfactory, based upon the assumption that any buildings involved are of normal conventional construction, without any special noise insulation requirements.
Conditionally Acceptable	Specified land use may be permitted only after detailed analysis of the noise reduction requirements and needed noise insulation features included in the design.
Unacceptable	New construction or development should generally not be undertaken because mitigation is usually not feasible to comply with noise element policies.

Source: City of San Jose General Plan

4.2 The City of San Jose Municipal Code

The City of San Jose Municipal Code addresses and provides a means for protection of the citizens of San Jose through both qualitative and quantitative provisions and prohibitions. The primary purpose of the Code is intended to promote and secure the public health, comfort, safety, welfare and prosperity, and the peace and quiet of the city and its inhabitants. The Code serves as an implementation method for the General Plan and enforcement element for establishing the desired character of the City.

The City of San Jose Zoning Maps designates the parcel where the existing Shell station is located as Agricultural-Planned Development (A [PD]). Is our understanding that a request is been submitted for a zoning change of the project parcel to Commercial Neighborhood (CN). The adjoining parcels along the northwestern and southwestern project boundaries are also zoned as Agricultural-Planned Development (A [PD]). However, the surrounding parcels are currently developed and in use as multifamily residential.

The Municipal Code establishes in Section 20.20.300 that for Agricultural Zoning Districts "*The sound pressure level generated by any use or combination of uses on a property shall not exceed the decibel levels indicated in Table 20-45 at any property line, except upon issuance and in compliance with a conditional use permit as provided in Chapter 20.100.*" Table 20-45 establishes a maximum noise level of 55 dB for agricultural use adjacent to a property used or

zoned for residential purposes; 60 dB for agricultural use adjacent to a property used or zoned for commercial or other non-residential purposes; and, 70 dB for agricultural use adjacent to a property used or zoned for industrial or use other than commercial or residential purposes.

Likewise, the Municipal Code establishes 55 dB and 60 dB maximum noise level standards for commercial zoning districts adjacent to residential and commercial uses (Section 20.40.600, Table 20-105).

The project must therefore abide by the more restrictive 55 dB maximum noise level at the property line as outlined in sections 20.20.300 and 20.40.600, or pursue the issuance of a special use permit establishing project specific criteria.

5 Project Noise Analysis

As stated in the introduction, the project under consideration proposes to demolish the existing buildings on the project site and construct a new convenience store, an in-bay automated car wash and retail location. Noise sources associated with the operation of the proposed project would include people accessing the site for fueling or shopping, and operations of the automated car wash. Operations of the car wash, discussed further below, would constitute the loudest noise level generation associated with the Project. Because of this and the proximity of the car wash to the nearby noise-sensitive land uses, the car wash is the focus of this analysis.

5.1 Car Wash Operation Noise Levels

Automated car wash equipment and facilities have several potential noise generating sources associated with their general operation; including pumps, compressors, high-pressure applicators and spray nozzles, scrubbers, and dryers. The car wash mechanical equipment (pumps, compressors, etc.) can generate a substantial amount of noise; however, the majority of the mechanical equipment is proposed to be fully enclosed within a mechanical equipment room, inside the car wash tunnel. Potential noise sources not enclosed within the equipment room would include the high-pressure applicators and spray nozzle manifolds; noise from the friction of the scrubber, wrap and brush wash systems; and noise generated from the dryer system. The dryers however, are the dominate noise source associated with car wash systems; therefore, this analysis will examine car wash-generated noise levels through evaluation of sound levels generated by the dominant noise source, the dryer system. Additional noise generated from ancillary support equipment is included in the analysis of overall project noise levels.

The proposed car wash will include the use of a Ryko 3-Fan SlimLine dryer system with incorporated Ryko Quiet-Kit silencer. The Ryko 3-Fan SlimLine dryer is a stationary, stand-alone drying system, using one (3) blower motors to directly deliver air. The car wash dryer manufacturer (Ryko) provided reference sound level data for the dryer in the form of sound pressure levels at varying distances. The manufacturer sound level data is provided as a reference in Appendix C. The supplied reference sound level data and operational characteristics for the equipment were used to calculate sound power levels (LwA)[1] for the dryer.

The manufacturer reference source noise levels are based upon the noise level generated during continuous operation of the dryers, within a drying cycle. Based on the source characterization measurements performed at the existing car wash, typical car wash drying cycles lasted between

[1] The Sound Power Level represents the total sound energy produced by the source under the specified operating conditions. Sound Power Levels cannot be measured directly; instead they are computed from reference sound pressure level measurements, such as those conducted by the manufacturer.

60- and 120-seconds for each car wash, with a typical duration of 82 seconds. During the monitoring, the existing car wash completed approximately 135 car wash cycles per 24-hour period. The drying cycle of the proposed project was assumed to have an average duration of 90 seconds. Car wash operations were assumed to be consistent with the current utilization of approximately 135 car wash cycles per day.

Operational and temporal assumptions outlined above along with the calculated sound power levels were used as inputs to the SoundPLAN noise prediction model. Modeled noise levels generated from the operation of the proposed car wash at the representative noise prediction receiver locations are presented in Table 5.

As shown in Table 5, noise levels generated from the proposed car wash dryers are anticipated to range from approximately 47 to 69 dBA DNL, at the prediction receivers representing the adjoining property lines. Therefore, project noise levels are predicted to exceed City of San Jose 55 dBA noise level standards and mitigation will be necessary to achieve compliance with the applicable criteria.

5.2 Additional On-Site Operational Noise Levels

Additional on-site noise levels, not associated with the car wash, may be generated by the proposed project may include those produced by operations of the gas station, vacuum, air/water stations and people accessing the convenience store or retail location. Reference noise level data for the vacuums were provided by the applicant. Noise levels generated by gas station operations, air/water stations, and people accessing the project site were evaluated based on empirical data, as well as data collected at the existing gas station operation.

5.2.1 Vacuum Stations

The proposed project includes the addition of two vacuum stations; located along the northeastern property line, adjacent to the Lundy Ave. ROW. Reference noise level data provided by the applicant indicates operational noise levels of approximately 68 dBA at a distance of 20 feet. In addition to noise generated by the vacuum motor itself, supplemental noise sources associated with the use of the vacuum stations were included in the noise simulation model. Supplemental noise sources included with each vacuum station “event” included on-site traffic accessing the vacuum stations, parking operations, and ancillary activities like doors opening and closing, floor mats being brushed and beaten, patrons conversing, etc.

Empirical observations and data have shown vacuum stations to operate one (1) to three (3) cycles per hour, during normal daytime operations. As such, each of the two (2) vacuum stations was conservatively anticipated to operate three (3) cycles per hour, between 7:00 AM and 10:00 PM (standard “daytime” time periods).

5.2.2 Gas Station Convenience Store and Retail Operations

The primary noise sources associated with the proposed gas station, convenience store and retail operations would be caused by patrons and vehicles accessing the project site, and occasionally, heavy trucks delivering fuel and merchandise. As patrons access the site, the noise generating activities can be generally lumped into “events”. Activities making up a single-event would include the vehicle arrival, limited idling of the vehicle, occupants exiting the vehicle, door closure, conversations among passengers, occupants entering the vehicle, vehicle startup and departure.

To quantify these events, Extant conducted reference noise level measurements of filling station and parking activities. Sound level data for gasoline fueling events was gathered to determine the sound exposure levels (SEL) associated with a single filling/parking event. The single-event SELs measured at the existing filling station correlate well with empirical data for similar activities and indicate an average single-event SEL of approximately 71 dB SEL at a distance of 50 feet.

Based on ITE Trip Generation vehicle rates, the gasoline station and convenience store operations were assumed to have 10.2 trips per vehicle fueling position during AM peak hour conditions and 13.4 trips per vehicle fueling position per-hour, during PM peak hour operations. These rates were established based on ITE studies of gas station activities across the country. Applying these peak hour rates across a 24-hour period overstates the trips occurring during hours other than the peak hour; and as such, would be considered conservative. As before, the SoundPLAN noise prediction model developed for the project was employed.

Also incorporated in to the modeling of gas station operations is the noise generated by the air/water stations and general parking activities across the project site. The modeled noise levels for the car wash, additional operations, and overall project noise are presented below in Table 5.

Overall project noise levels are anticipated to range from approximately 54 to 69 dBA DNL at the adjoining property boundaries, with the existing noise barrier remaining in place. This would result in an exceedance of the City of San Jose General Plan noise standards in the western portion of the project site (P-04), and along the southeastern property boundary (P-05 and P-06). As such, additional mitigation is required to achieve compliance with the City of San Jose noise standards; and is discussed below.

Table 5 – Modeled Car Wash Noise Levels – Existing Noise Barrier

Site	Location	Noise Level Exposure (dBA, DNL)		
		Car Wash	Additional Operations[1]	Overall Project
P-01	Northern property line - 1752 River Birch Drive.	47	53	54
P-02	Northern property line - 1748 River Birch Drive.	45	53	54
P-03	Northwestern property line - 1742 River Birch Drive.	55	52	57
P-04	Western property line - 1738 River Birch Drive.	61	46	61
P-05	Southwestern property line - 1681 River Birch Court	69	42	69
P-06	Southwestern property line - 1680 River Birch Court	69	40	69

Notes: dBA = A-weighted decibels; DNL = Day Night noise level.
1- Incorporates all other ancillary operations associated with the proposed project; gas station, convenience store, retail store, vacuums, air/water stations, and additional parking.
Source: Extant Acoustical Consulting LLC, 2016

5.3 Mitigation

Extant Acoustical further employed the three-dimensional computerized noise simulation model developed for the project to evaluate various noise reduction strategies and mitigation measures. In addition to the Ryko Quiet Kit noise reduction package, the mitigation analysis indicated that with the installation of an acoustical baffle at the exit of the car wash tunnel and modifications to the existing property line noise barrier wall height, the proposed project is anticipated to achieve compliance with the City of San Jose noise criteria. Noise levels generated by the proposed project, with the mitigation measures incorporated, are provided in Table 6.

The acoustical baffle would be installed immediately adjacent to the car wash dryer motors, within the car was tunnel. The lower edge of the baffle should be consistent with the clearance height of the car wash gantry and dryers (typically 84-inches) and extend vertically, overlapping the upper edge of the car wash exit opening. The baffle must have a minimum absorption rating of NRC 0.9 and Sound Transmission Class (STC) rating of 27 or greater.

Property line noise barrier heights were evaluated based on the existing ground elevation under the existing noise barrier. However, to avoid uncertainty the minimum height of the required noise barrier is specified with top-of-wall (TOW) elevations. The required TOW elevations are provided, based on the reference elevation of the proposed car wash (87.5 feet) and the pad elevation of nearby noise-sensitive receptors. The minimum required noise barrier is illustrated on Figure 2.

The noise barrier can be constructed of concrete masonry units (CMU), engineered noise barrier panels or other materials, providing that the assembly has a mass greater than 3 lbs./sq.-ft. and an STC rating greater than 27. Alternate barrier materials must create a solid, impervious barrier, free from voids and the material meets or exceeds the above specifications.

As shown below in Table 6, overall project noise levels are predicted to range from 53 to 54 dBA DNL at the adjoining property boundaries, following the incorporation of the prescribed mitigation measures. Therefore, the proposed project is anticipated to comply with the City of San Jose 55 dBA noise level standard, with mitigation incorporated.

Table 6 – Modeled Car Wash Noise Levels – with Mitigation

Site	Location	Noise Level Exposure (dBA, DNL)		
		Car Wash	Additional Operations[1]	Overall Project
P-01	Northern property line - 1752 River Birch Drive.	45	53	53
P-02	Northern property line - 1748 River Birch Drive.	42	53	54
P-03	Northwestern property line - 1742 River Birch Drive.	48	51	53
P-04	Western property line - 1738 River Birch Drive.	52	43	53
P-05	Southwestern property line - 1681 River Birch Court	54	38	54
P-06	Southwestern property line - 1680 River Birch Court	53	42	53

Notes: dBA = A-weighted decibels; DNL = Day Night noise level.
Locations of receivers and car wash noise levels are illustrated on Figure 3. Overall Project noise levels are shown on Figure 4.
1- Incorporates all other ancillary operations associated with the proposed project; gas station, convenience store, retail store, vacuums, air/water stations, and additional parking.
Source: Extant Acoustical Consulting LLC, 2016

5.4 Effect on Existing Environment

As outlined, the City of San Jose General Plan establishes policy to limit the effect of new projects on the existing ambient noise environment. Existing traffic noise exposure levels, as previously presented, serve as the basis for evaluating the potential for the proposed project to result in increased noise levels. Incorporating existing traffic volumes on the local and regional roadway network into the noise simulation model for the overall project operations and comparing the resulting noise levels to those of the existing environment, the project-related effect on the existing noise environment was determined. Modeled noise levels for the existing condition, project noise levels, and combined existing plus project noise levels are presented in Table 6.

Existing noise levels in the project area are illustrated on Figure 1. The existing noise environment, with the implementation of the proposed project is shown in Figure 5. The relative change caused by implementation of the proposed project is shown as a difference map in Figure 6.

As shown Table 6, the project-related effects on the existing ambient noise environment were calculated to result in less than 1 dBA change from existing levels at prediction locations P-01 and P-02. Additionally, noise prediction receivers P-03 through P-06, are calculated to benefit from the reduction of traffic noise level exposure. This traffic noise level reduction is due to the project site design and the inclusion of the modified property-line noise barrier as part of the project mitigation. Based on this analysis, project-generated noise levels are not predicted to result in an increase of 3 dBA or more in the existing noise environment, as set forth in Policy EC-1.2 of the City of San Jose General Plan. Therefore, the proposed project is predicted to comply with the City of San Jose General Plan existing ambient effect noise standards.

Table 7 – Modeled Project Noise Level Effect

		Modeled Noise Level Exposure (DNL, dBA)				
Site	Location	Existing Traffic[1]	Overall Project[2]	Existing Plus Project[3]	Effect on Ambient[4,5]	Impact
P-01	Northern property line - 1752 River Birch Drive.	65	53	65	< 1	No
P-02	Northern property line - 1748 River Birch Drive.	64	54	65	< 1	No
P-03	Northwestern property line - 1742 River Birch Drive.	64	53	62	-2	No
P-04	Western property line - 1738 River Birch Drive.	64	53	60	-4	No
P-05	Southwestern property line - 1681 River Birch Court	63	54	58	-5	No
P-06	Southwestern property line - 1680 River Birch Court	67	53	65	-2	No

Notes: dBA = A-weighted decibels; DNL = Day Night noise level.
1. Existing traffic noise level contours are shown on Figure 1.
2. Overall project noise level contours are shown on Figure 4.
3. Existing traffic noise level Plus project noise levels are shown on Figure 5.
4. The effect of the project on the existing ambient noise environment is shown on Figure 6.
5. Negative noise effect on the ambient would be the result of the additional shielding provided by the proposed project and associated mitigation measures.

Source: Extant Acoustical Consulting LLC, 2016

6 Conclusion

Extant Acoustical Consulting (Extant) has completed a noise assessment for the proposed Convenience Store, Gas Station, Car Wash and Retail project; located at 1705 Berryessa Road in San Jose, California. The project is proposed to be located at the site of an existing Shell gas station and car wash, at the intersection of Lundy Avenue and Berryessa Road; in the Berryessa area of northeastern San Jose. The project site is bounded by multi-family residential along the northwest and southwest property lines, Lundy Ave. on the northeast, and Berryessa Rd. on the southeast. Additional commercial uses are located across Lundy Ave. and Berryessa Rd. The project proposes to construct a new convenience store, and in-bay automated car wash and retail store on the project site. The hours of operation for the proposed project are assumed to remain consistent with existing 24-hour operations.

The analysis summarized the existing noise environment, presented the noise levels that are predicted to be generated by the proposed project site, and compared the resultant noise levels with applicable City of San Jose noise standards. Mitigation measures to help ensure project compliance with the City of San Jose noise criteria were evaluated and recommended.

With the incorporation of the prescribed mitigation measures, project noise levels are anticipated to range approximately 53 to 54 dBA DNL, at the prediction receivers representing the surrounding noise sensitive land uses. Based on the analysis presented and the incorporation of appropriate mitigation, the predicted average day-night noise levels (DNL) generated from the operation of the proposed project are predicted to comply with the City of San Jose 60 dBA DNL exterior noise level standards set forth in Table EC-1 of the City of San Jose General Plan (normally acceptable criteria for residences). Project noise levels are also predicted to comply with the 55 dBA noise level standard for new non-residential uses/commercial uses affecting residential land uses as established in the City of San Jose General Plan Policy EC-1.3 and the Municipal Code.

Based on existing noise levels experienced in the vicinity of the project site, project-generated average day-night noise levels are predicted to be at or below ambient noise levels in the majority of the project study area. Noise levels generated from the proposed project were predicted to result in less than a 1 dBA increase in the existing noise environment at noise-sensitive receivers in the project study area. Additionally, portions of the study area in the immediate vicinity of the project are predicted to benefit from reduced traffic noise levels due to the property-line sound wall incorporated into the project design. Project-generated noise levels are not predicted to exceed the existing noise environment protection criteria; causing an increase of 3 dBA or more in the existing noise environment, as set forth in Policy EC-1.2 of the City of San Jose General Plan.

Development and operation of the proposed Convenience Store, Gas Station, Car Wash and Retail Location at 1705 Berryessa Road is anticipated to comply with the applicable City of San Jose noise standards.

Legend

Project Site
Building

Receiver Type
Long-Term Monitor
Short-Term Monitor
Prediction Receiver

Noise Level, dBA
45.0
50.0
55.0
60.0
65.0
70.0

Figure 1

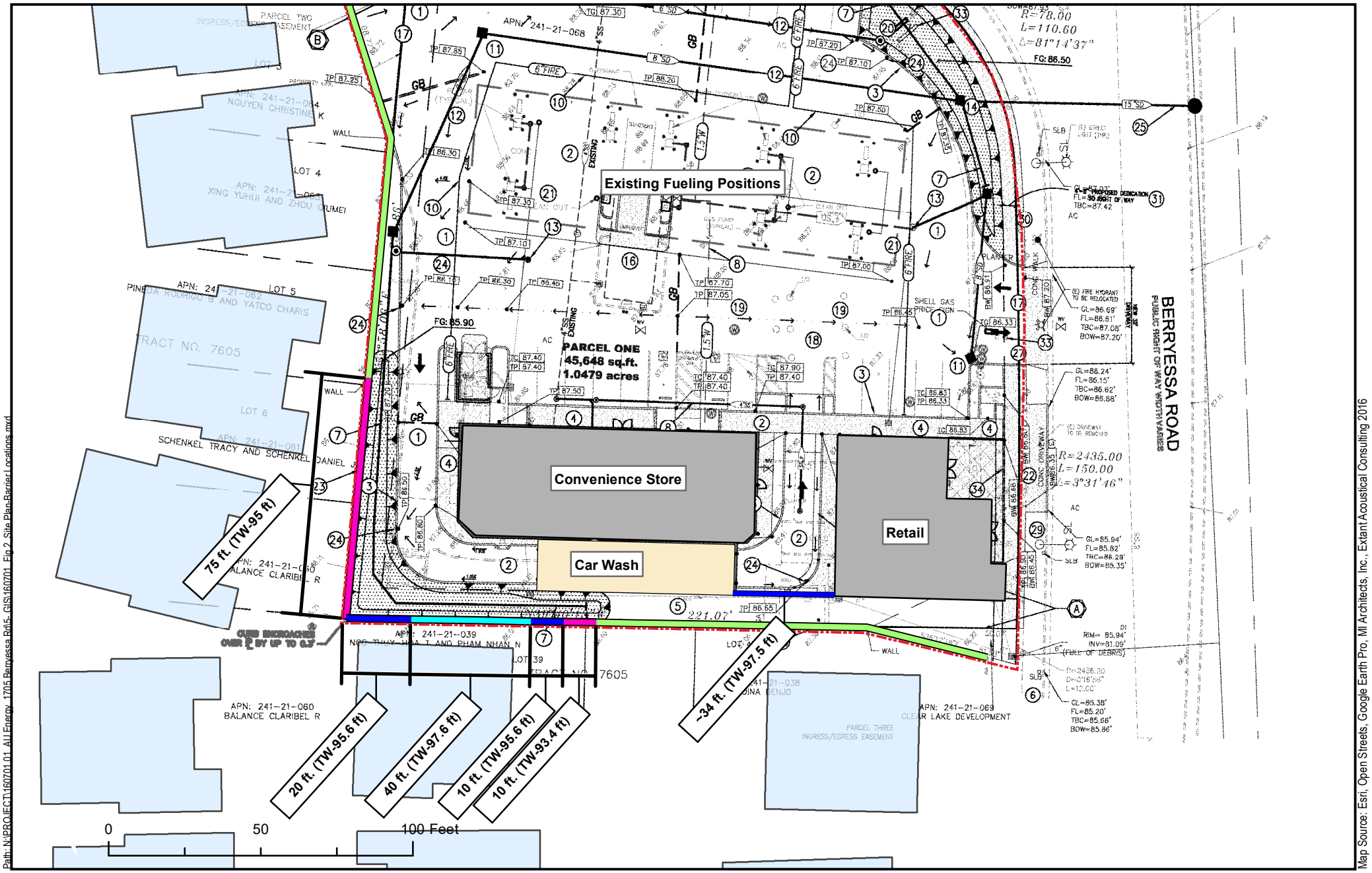
Proposed Project Location

Noise Monitoring Locations
Existing Noise Levels, dBA DNL

AU Energy
Shell Gas Station & Car Wash
1705 Berryessa Road
San Jose, California

EXTANT ACOUSTICAL CONSULTING LLC

Date: 09/09/2016 Author: MJC



Path: N:\PROJECT\160701.01 AU Energy 1705 Berryessa Rd\5. GIS\160701_Fig 2 Site Plan-Barrier Locations.mxd

Map Source: Esri, Open Streets, Google Earth Pro, MI Architects, Inc., Extant Acoustical Consulting 2016

Project Site
Project Buildings
Car Wash

Wall Length (Top of Wall Elevation)

Relative Wall Height, Feet
- Existing
- 8
- 10
- 12

Figure 2

Project Site Plan

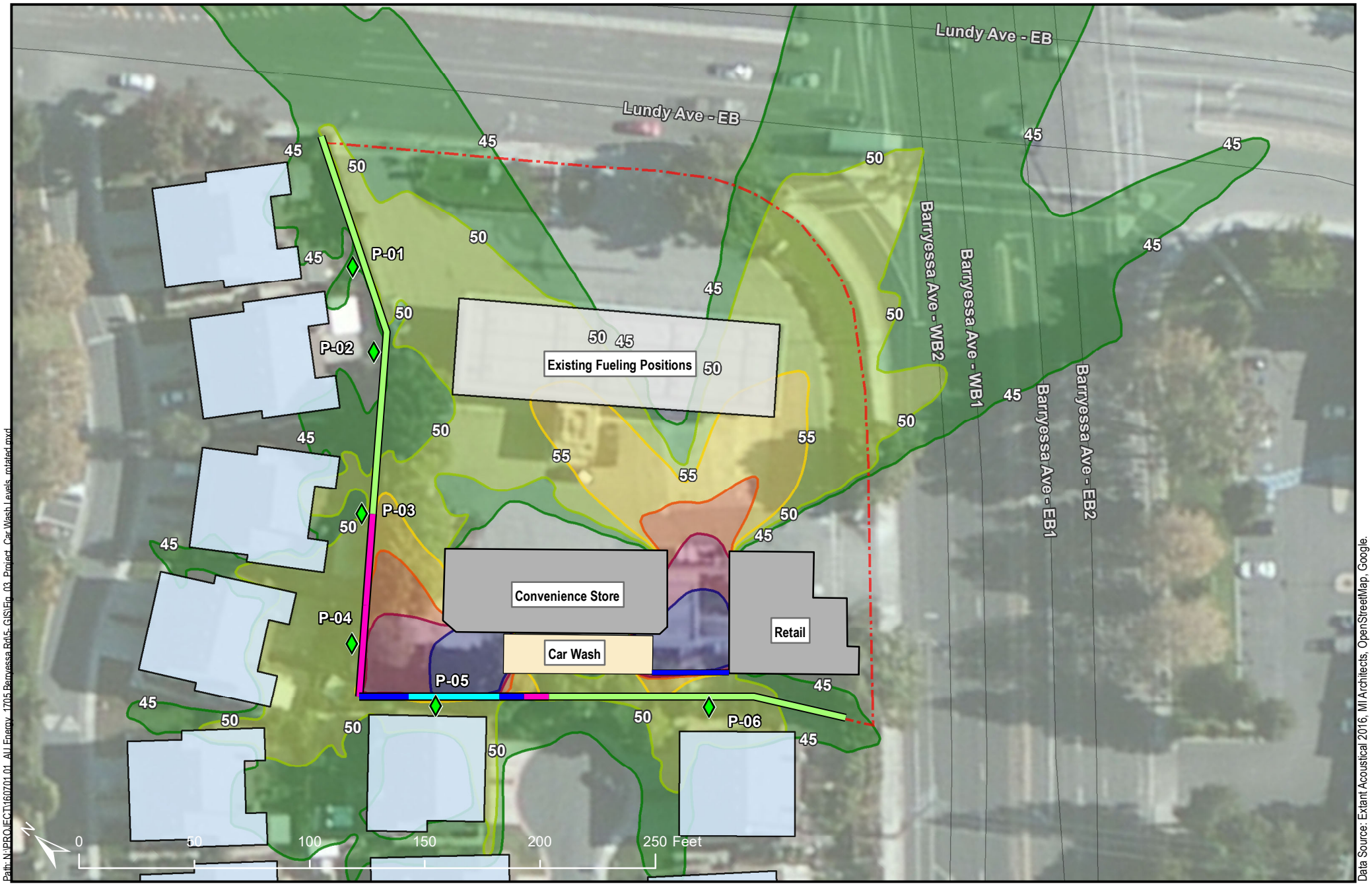
Recommended Mitigation

Ryko 3-fan Slimline with Quiet Kit and Acoustic Header.
Noise Protection Walls as Illustrated. Top of Wall Elevation in Call-Out.

Shell Station
A.U. Energy
1705 Berryessa Rd.
San Jose, CA

EXTANT ACOUSTICAL CONSULTING LLC

Date: 09/09/2016 Author: MJC



Legend

- Existing Residential
- Prediction Reciever
- Project Site
- Project Buildings

Noise Level, dBA DNL

- 45.0
- 50.0
- 55.0
- 60.0
- 65.0
- 70.0

Relative Wall Height, Feet

- Existing
- 8
- 10
- 12

Figure 3

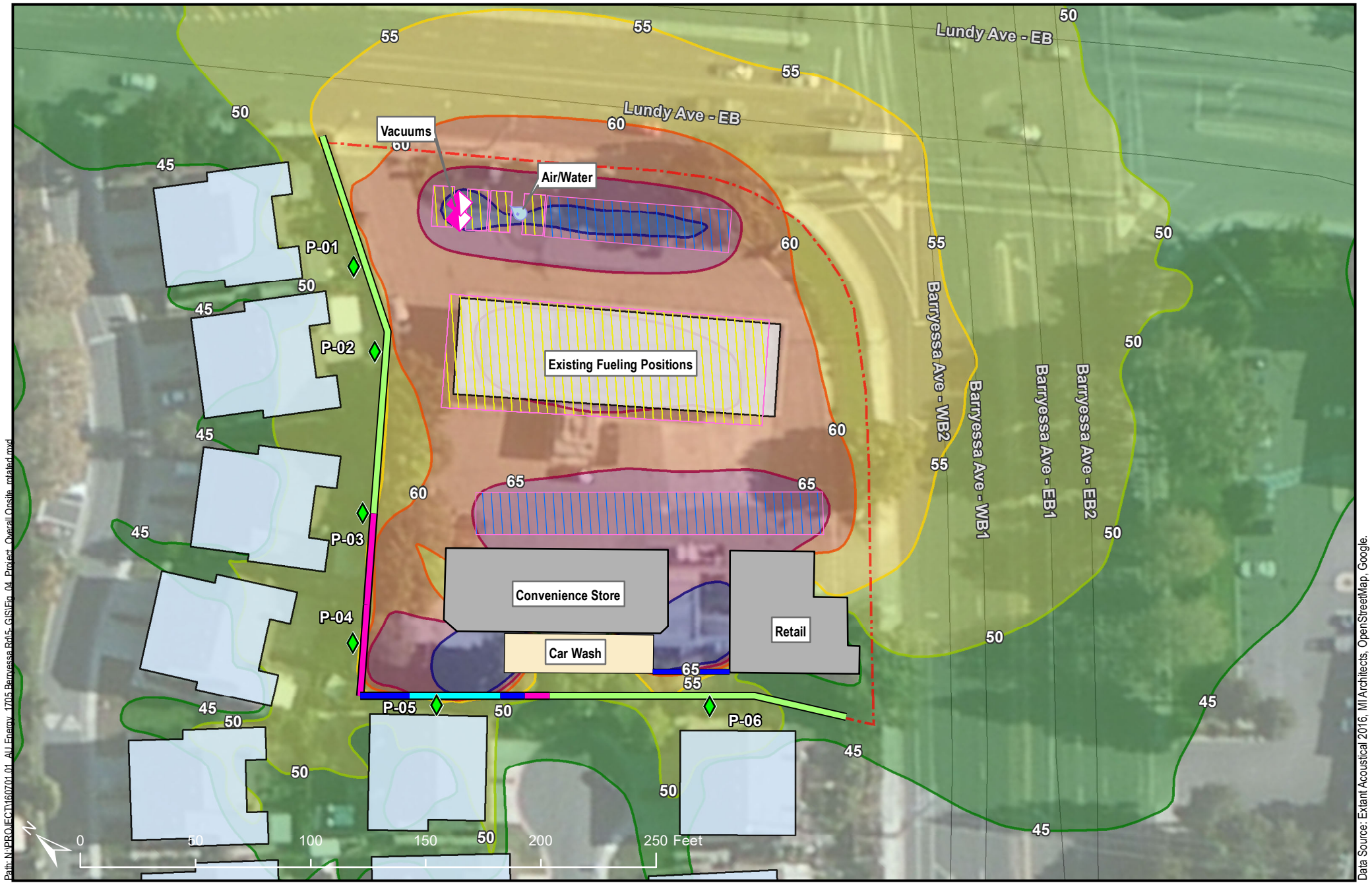
Modeled Car Wash Noise Levels

Day-Night Level, dBA DNL
With Mitigation Incorporated

AU Energy
Shell Gas Station & Car Wash
1705 Berryessa Road
San Jose, California

EXTANT ACOUSTICAL CONSULTING LLC

Date: 09/09/2016 Author: MJC



Legend

- Existing Residential
- Prediction Reciever
- Project Site
- Project Buildings

Noise Level, dBA DNL
- 45.0
- 50.0
- 55.0
- 60.0
- 65.0
- 70.0

Relative Wall Height, Feet
- Existing
- 8
- 10
- 12

Figure 4

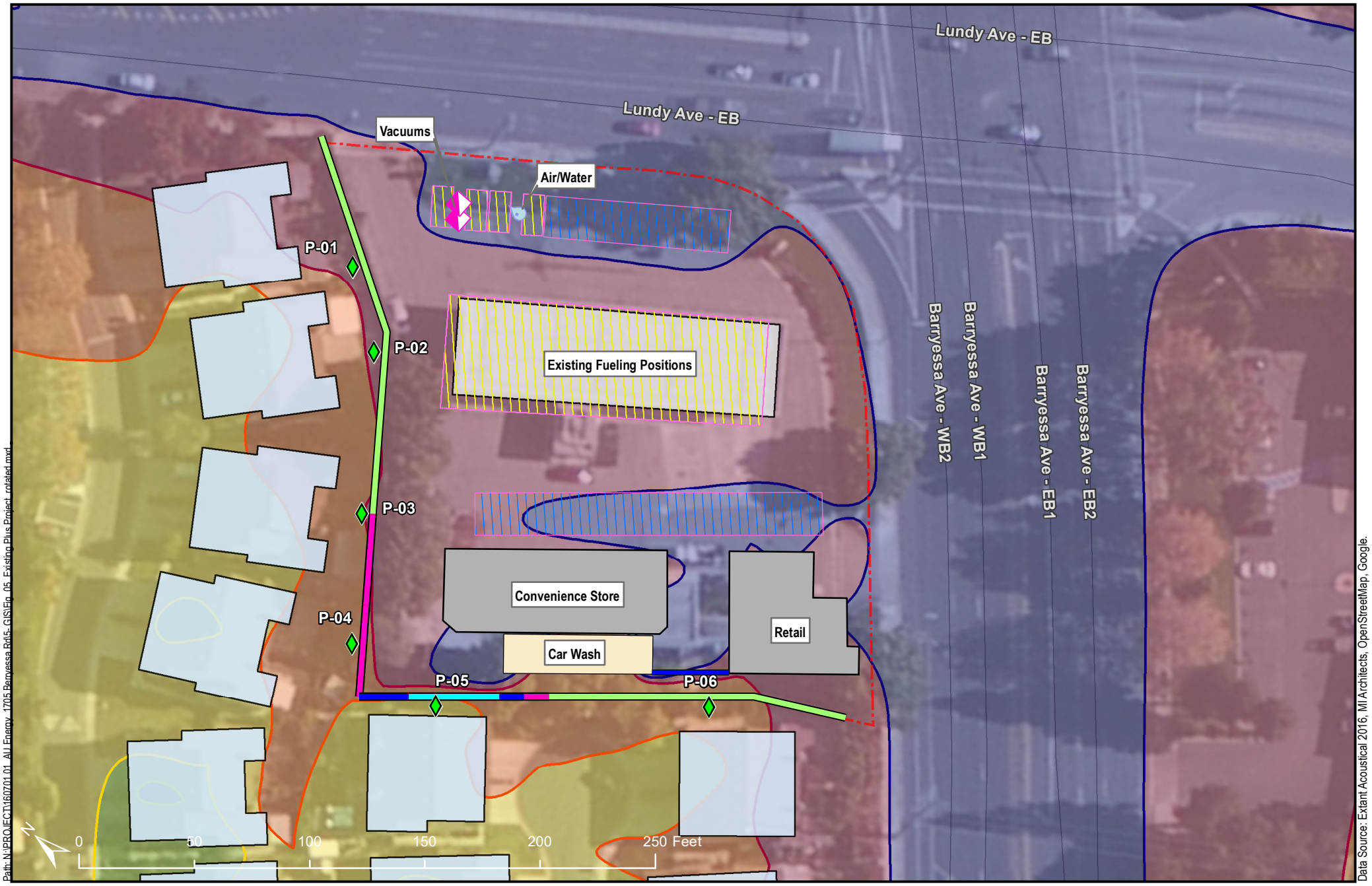
Modeled Overall Onsite Noise Levels

Day-Night Level, dBA DNL
With Mitigation Incorporated
(Convenience store, gas station, car wash, retial and ancillary sources.)

AU Energy
Shell Gas Station & Car Wash
1705 Berryessa Road
San Jose, California

EXTANT ACOUSTICAL CONSULTING LLC

Date: 09/12/2016 Author: MJC



Legend

- Existing Residential
- Prediction Reciever
- Project Site
- Project Buildings

Noise Level, dBA DNL
- 45.0
- 50.0
- 55.0
- 60.0
- 65.0
- 70.0

Relative Wall Height, Feet
- Existing
- 8
- 10
- 12

Figure 5

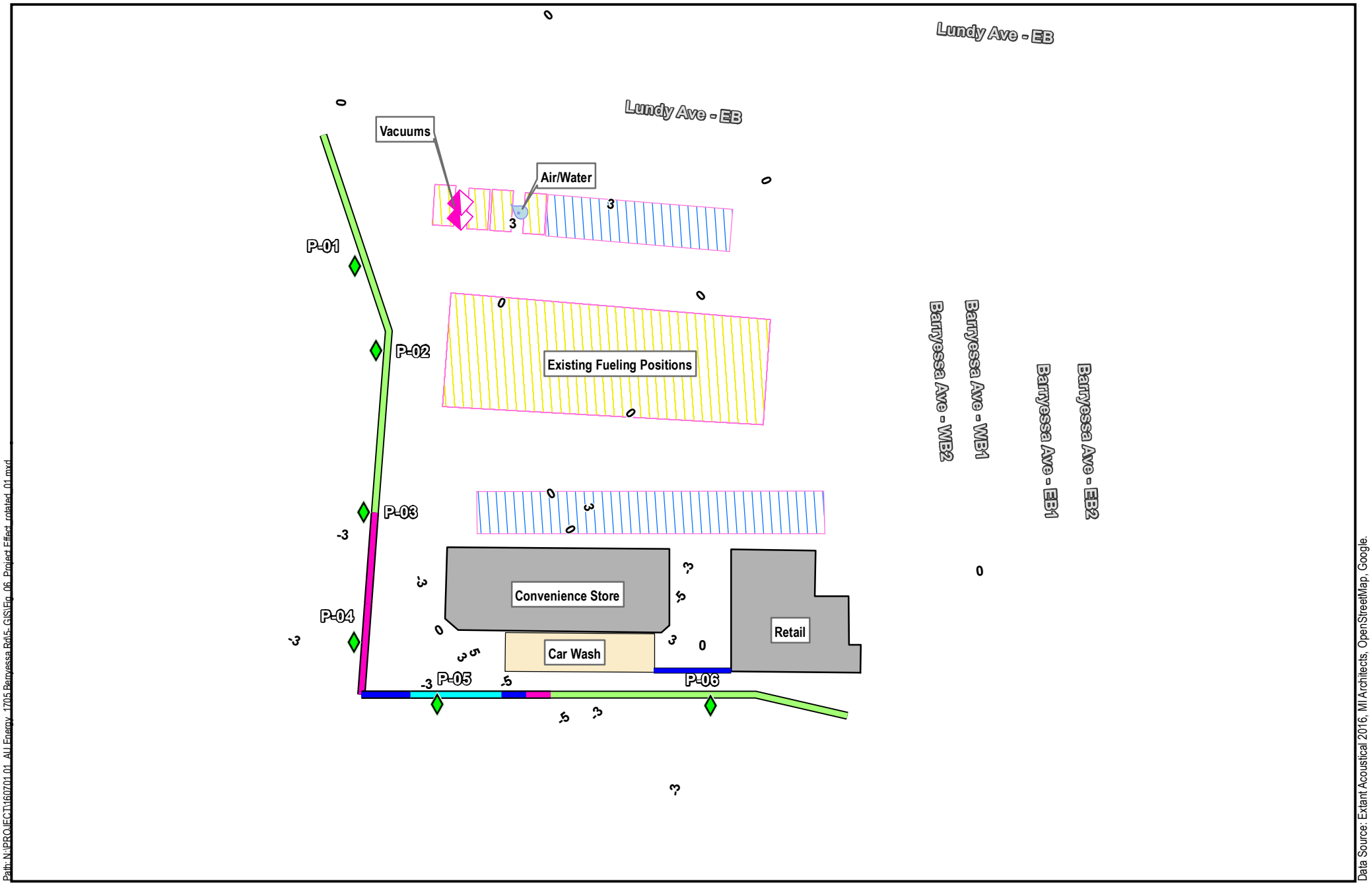
Modeled Existing Plus Project Noise Levels

Day-Night Level, dBA DNL
With Mitigation Incorporated
(Existing traffic and all proposed project sources.)

AU Energy
Shell Gas Station & Car Wash
1705 Berryessa Road
San Jose, California

EXTANT ACOUSTICAL CONSULTING LLC

Date: 09/12/2016 Author: MJC



Legend

- Existing Residential
- Prediction Reciever
- Project Site
- Project Buildings

Difference, dBA DNL: -5, -4, -3, -2, -1, 0, 1, 2, 3, 4, 5

Relative Wall Height, Feet: Existing, 8, 10, 12

Figure 6

Modeled Project Effect on Existing Environment

Day-Night Level, dBA DNL
With Mitigation Incorporated

(Positive indicates an increase in the existing noise levels, negative indicates a reduciton in existing levels)

AU Energy
Shell Gas Station & Car Wash
1705 Berryessa Road
San Jose, California

[redacted]

Works Cited

California Department of Transportation (Caltrans). (2013, September). Technical Noise Supplement. Sacramento, CA: California Department of Transportation. Prepared by ICF Jones & Stokes.

City of San Jose. (2011, November 1). Envision San Jose 2040, General Plan. San Jose, CA.

City of San Jose. (2016). *Average Daily Traffic Volumes 2005 - 2015*. Retrieved August 2016, from sanjose.gov: http://data.sanjoseca.gov/dataviews/226261/average-daily-traffic-volume-2005-2015/

Federal Highway Administration. (2006, January). Roadway Construction Nosie Model. Washington, DC.

Federal Transit Administration. (2006, May). Transit Nosie and Vibration Impact Assessment. Burlington, MA: Prepared by Harris Miller Miller & Hanson Inc. .

FHWA. (1978, December). FHWA Highway Traffic Noise Prediction Model. *FHWA-RD-77-108*. (J. A. Reagan, & T. M. Barry, Compilers) Federal Highway Administration.

SANDAG. (2003). *Trip Generation Manual.* San Diego.

Ver, I. L., & Beranek, L. L. (2006). Noise and Vibration Control Engineering, Principles and Applications. In I. L. Ver, & L. L. Beranek. Hoboken, New Jersy: John Wiley & Sons.

Appendix A Description of Noise Metrics

This Appendix describes the noise terminology and metrics used in this report.

A.1 A-weighted Sound Level, dBA

Loudness is a subjective quantity that enables a listener to order the magnitude of different sounds on a scale from soft to loud. Although the perceived loudness of a sound is based somewhat on its frequency and duration, chiefly it depends upon the sound pressure level. Sound pressure level is a measure of the sound pressure at a point relative to a standard reference value; sound pressure level is always expressed in decibels (dB), a logarithmic quantity.

Another important characteristic of sound is its frequency, or "pitch." This is the rate of repetition of sound pressure oscillations as they reach our ears. Frequency is expressed in units known as Hertz (abbreviated "Hz" and equivalent to one cycle per second). Sounds heard in the environment usually consist of a range of frequencies. The distribution of sound energy as a function of frequency is termed the "frequency spectrum." The frequency spectrum of sound is often represented as the sum of the sound energy in frequency bands that are one octave or 1/3-octave wide. An octave represents a doubling of frequency.

The human ear does not respond equally to identical noise levels at different frequencies. Although the normal frequency range of hearing for most people extends from a low of about 20 Hz to a high of 10,000 Hz to 20,000 Hz, people are most sensitive to sounds in the voice range, between about 500 Hz to 2,000 Hz. Therefore, to correlate the amplitude of a sound with its level as perceived by people, the sound energy spectrum is adjusted, or "weighted."

The weighting system most commonly used to correlate with people's response to noise is "A-weighting" (or the "A-filter") and the resultant noise level is called the "A-weighted noise level" (dBA). A-weighting significantly de-emphasizes those parts of the frequency spectrum from a noise source that occurs both at lower frequencies (those below about 500 Hz) and at very high frequencies (above 10,000 Hz) where we do not hear as well. The filter has very little effect, or is nearly "flat," in the middle range of frequencies between 500 and 10,000 Hz. A-weighted sound levels have been found to correlate better than other weighting networks with human perception of "noisiness." One of the primary reasons for this is that the A-weighting network emphasizes the frequency range where human speech occurs, and noise in this range interferes with speech communication. The figure below shows common indoor and outdoor A-weighted sound levels and the environments or sources that produce them.

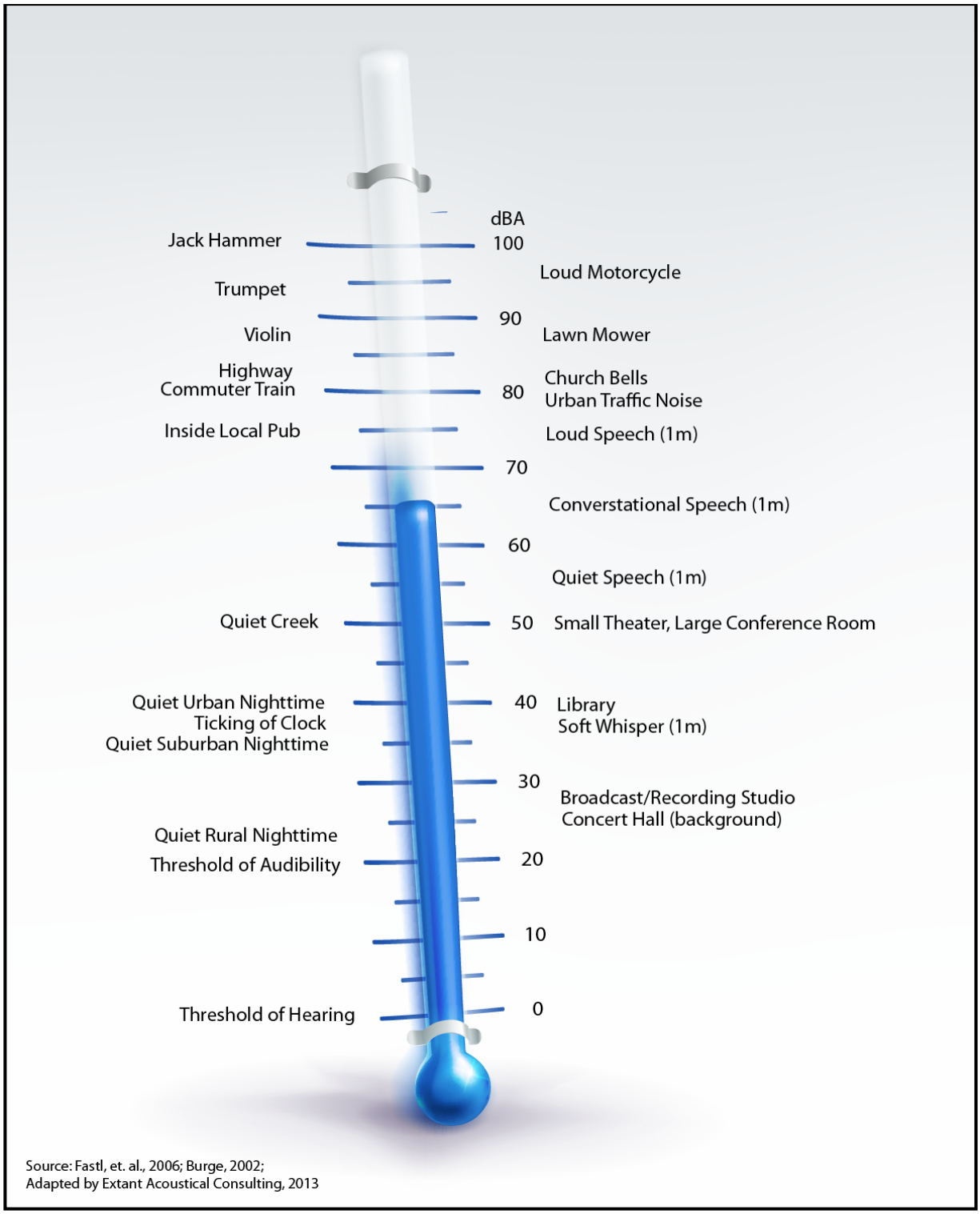


Exhibit A.1 – Common Noise Levels

A.2 Equivalent Sound Level, Leq

The Equivalent Sound Level, abbreviated L_{eq}, is a measure of the total exposure resulting from the accumulation of A-weighted sound levels over a particular period of interest -- for example, an hour, an 8-hour school day, nighttime, or a full 24-hour day. However, because the length of the period can be different depending on the time frame of interest, the applicable period should always be identified or clearly understood when discussing the metric. Such durations are often identified through a subscript, for example L_{eq1h}, or $L_{eq\ (24)}$.

L_{eq} may be thought of as a constant sound level over the period of interest that contains as much sound energy as (is "equivalent" to) the actual time-varying sound level with its normal peaks and valleys. It is important to recognize, however, that the two signals (the constant one and the time-varying one) would sound very different from each other. Also, the "average" sound level suggested by L_{eq} is not an arithmetic value, but a logarithmic, or "energy-averaged" sound level. Thus, the loudest events may dominate the noise environment described by the metric, depending on the relative loudness of the events.

A.3 Statistical Sound Level Descriptors

Statistical descriptors of the time-varying sound level are often used instead of, or in addition to L_{eq} to provide more information about how the sound level varied during the time period of interest. The descriptor includes a subscript that indicates the percentage of time the sound level is exceeded during the period. The L_{50} is an example, which represents the sound level exceeded 50 percent of the time, and equals the median sound level. Another commonly used descriptor is the L_{10}, which represents the sound level exceeded 10 percent of the measurement period and describes the sound level during the louder portions of the period. The L_{90} is often used to describe the quieter background sound levels that occurred, since it represents the level exceeded 90 percent of the period.

A.4 DNL (Day-Night Noise Level)

The 24-hour L_{eq} with a 10 dB "penalty" applied during nighttime noise-sensitive hours, 10:00 p.m. through 7:00 a.m. The DNL attempts to account for the fact that noise during this specific period of time is a potential source of disturbance with respect to normal sleeping hours.

A.5 CNEL (Community Noise Equivalent Level)

The CNEL is similar to the DNL described above, but with an additional 5 dB "penalty" for the noise-sensitive hours between 7:00 p.m. to 10:00 p.m., which are typically reserved for relaxation, conversation, reading, and television. If using the same 24-hour noise data, the CNEL is typically 0.5 dB higher than the DNL.

A.6 SEL (Sound Exposure Level)

The SEL describes the cumulative exposure to sound energy over a stated period of time; typically reference to one (1) second.

Appendix B Long-Term Noise Monitoring Data

Appendix B-1
Long-Term 24 Hour Continuous Noise Monitoring

Project: **1705 Berryessa Road**
Date: July 05, 2016 to July 06, 2016
Site: LT-01

Hour	Leq	Lmax	L50	L90
15:00	64.4	75.4	61.6	57.4
16:00	64.4	76.1	61.5	57.6
17:00	64.6	74.5	61.8	57.9
18:00	65.0	83.7	61.1	56.1
19:00	63.8	71.5	60.9	57.6
20:00	63.4	73.2	58.5	55.0
21:00	63.6	91.7	56.0	51.1
22:00	58.6	78.9	50.7	46.6
23:00	56.4	75.3	47.6	43.4
0:00	46.8	66.1	45.0	42.7
1:00	46.5	65.4	42.9	40.5
2:00	47.4	65.8	43.6	41.7
3:00	49.6	61.8	45.7	43.4
4:00	55.4	66.1	50.4	46.5
5:00	60.4	69.8	55.7	51.6
6:00	63.4	81.5	59.0	54.5
7:00	68.0	89.0	63.2	56.6
8:00	65.3	79.1	61.2	54.2
9:00	63.9	81.4	58.9	53.7
10:00	64.0	76.7	58.3	52.8
11:00	66.6	83.9	59.7	54.7
12:00	64.5	74.6	58.7	53.3
13:00	64.2	75.6	58.3	53.6
14:00	63.5	74.0	59.5	54.3

Lowermost Level

	Leq	Lmax	L50	L90
Daytime (7 a.m. - 10 p.m.)	63.4	71.5	56.0	51.1
Nighttime (10 p.m. - 7 a.m.)	46.5	61.8	42.9	40.5

Average Level

	Leq	Lmax	L50	L90
Daytime (7 a.m. - 10 p.m.)	65.0	78.9	59.9	55.0
Nighttime (10 p.m. - 7 a.m.)	55.0	68.7	47.7	44.6

Uppermost-Level

	Leq	Lmax	L50	L90
Daytime (7 a.m. - 10 p.m.)	68.0	91.7	63.2	57.9
Nighttime (10 p.m. - 7 a.m.)	60.4	78.9	55.7	51.6

Energy Distribution

Daytime	94%
Nighttime	6%

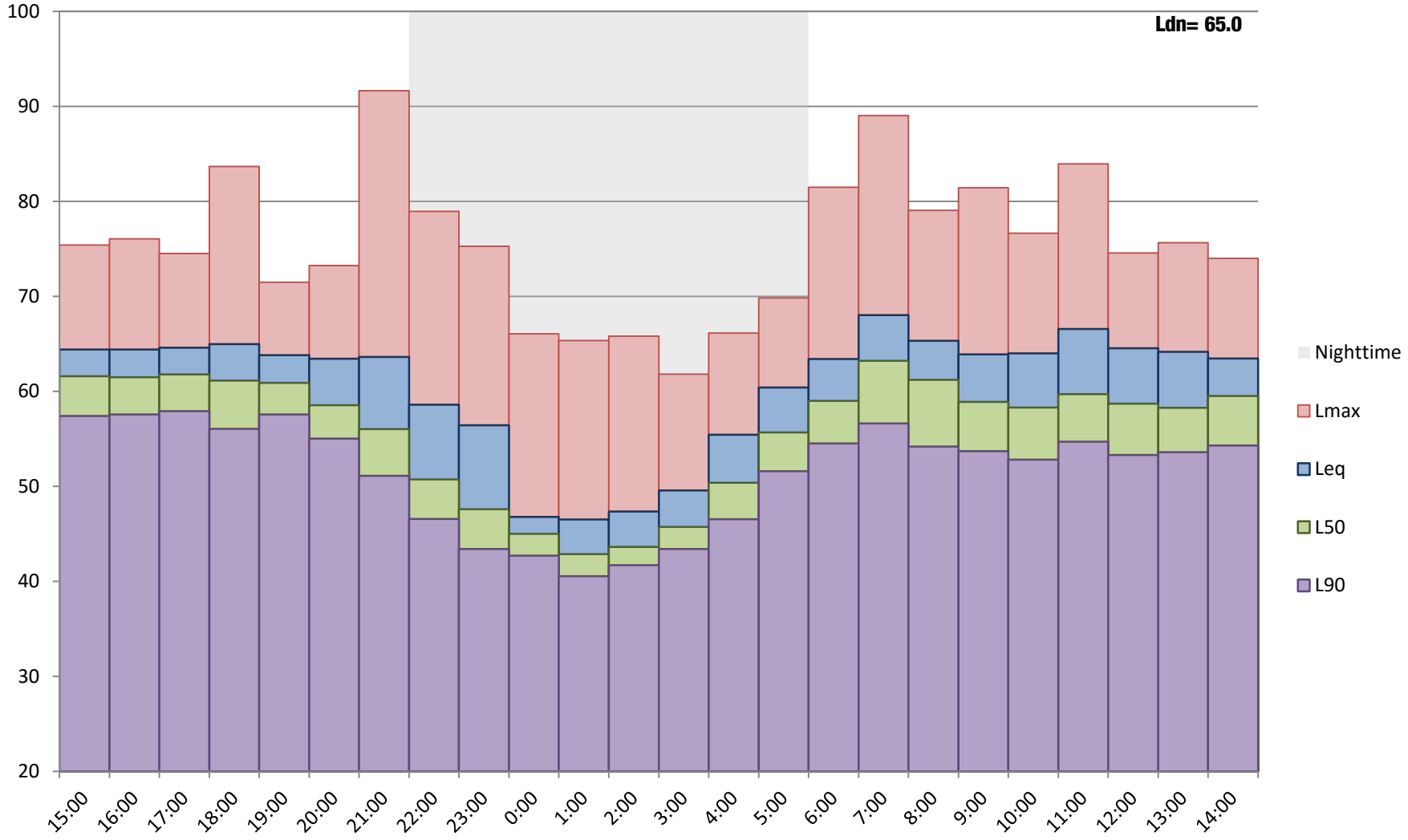
Calculated L_{dn}, dBA

65.0

Appendix B-1

1705 Berryessa Road - LT-01

July 05, 2016 to July 06, 2016



Appendix B- .
Long-Term 24 Hour Continuous Noise Monitoring

Project: **1705 Berryessa Road**
Date: July 05, 2016 to July 06, 2016
Site: LT-02

Hour	Leq	Lmax	L50	L90
15:00	64.0	75.0	62.8	55.1
16:00	63.6	80.0	61.7	54.4
17:00	64.3	86.8	61.7	54.9
18:00	66.1	89.5	61.1	54.5
19:00	62.2	76.4	59.1	53.7
20:00	61.1	76.0	57.1	51.7
21:00	62.5	93.4	55.8	49.9
22:00	59.4	84.1	53.4	47.0
23:00	57.0	81.1	50.9	43.6
0:00	53.1	71.5	46.0	40.1
1:00	52.9	71.7	44.8	39.9
2:00	53.0	74.0	46.0	40.0
3:00	54.1	71.5	45.6	41.3
4:00	58.6	76.6	51.5	44.3
5:00	63.2	82.8	58.7	51.0
6:00	65.1	85.2	63.3	56.2
7:00	73.3	92.2	66.8	60.5
8:00	64.9	82.3	63.6	55.0
9:00	64.0	84.2	61.4	53.9
10:00	63.5	79.3	60.7	52.9
11:00	70.4	88.7	62.4	53.9
12:00	63.4	77.2	61.8	54.2
13:00	63.1	78.1	60.4	53.4
14:00	63.9	77.7	61.4	54.7

Lowermost Level

	Leq	Lmax	L50	L90
Daytime (7 a.m. - 10 p.m.)	61.1	75.0	55.8	49.9
Nighttime (10 p.m. - 7 a.m.)	52.9	71.5	44.8	39.9

Average Level

	Leq	Lmax	L50	L90
Daytime (7 a.m. - 10 p.m.)	66.2	82.4	61.2	54.2
Nighttime (10 p.m. - 7 a.m.)	59.7	77.6	51.1	44.8

Uppermost-Level

	Leq	Lmax	L50	L90
Daytime (7 a.m. - 10 p.m.)	73.3	93.4	66.8	60.5
Nighttime (10 p.m. - 7 a.m.)	65.1	85.2	63.3	56.2

Energy Distribution

Daytime	88%
Nighttime	12%

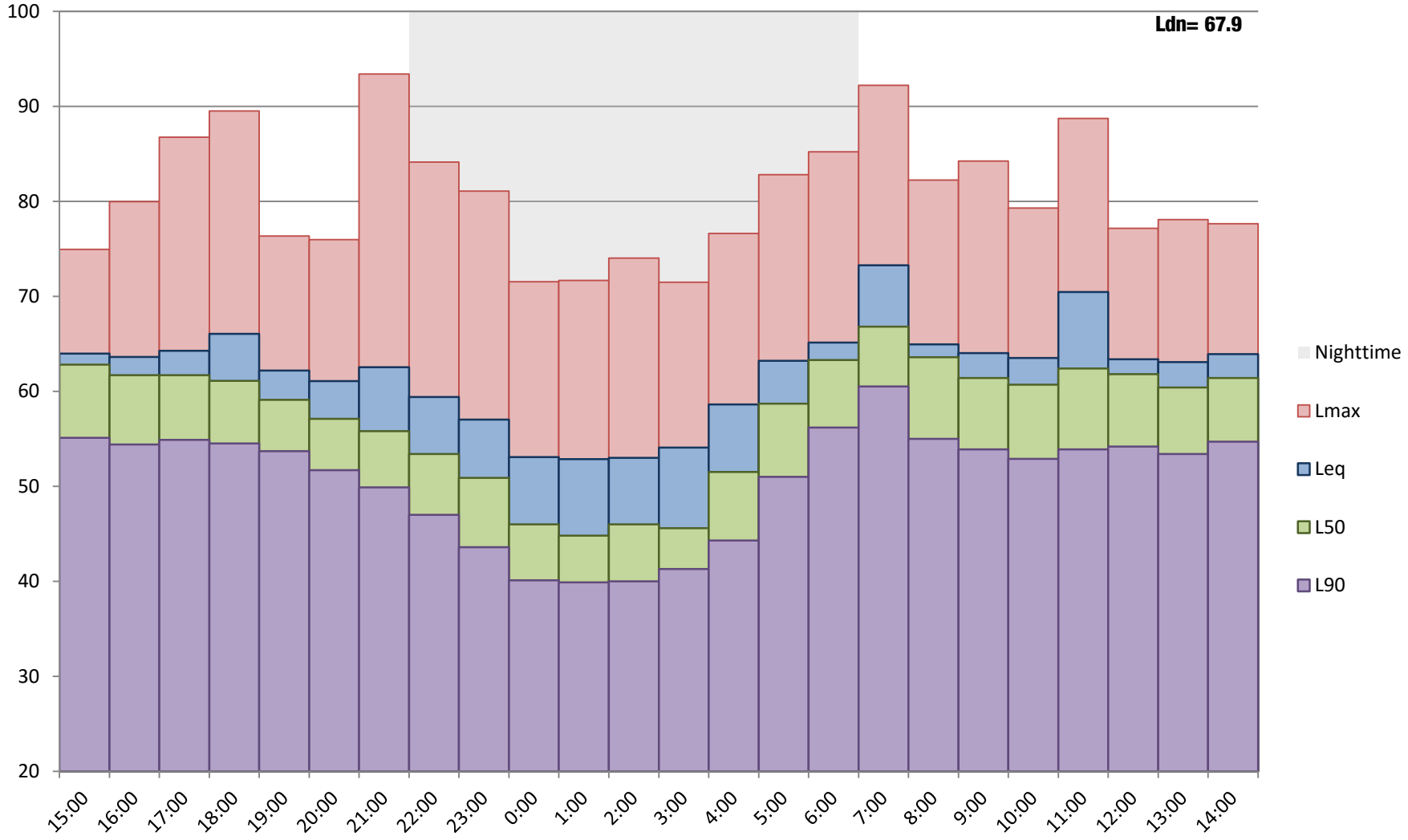
Calculated L_{dn}, dBA

67.9

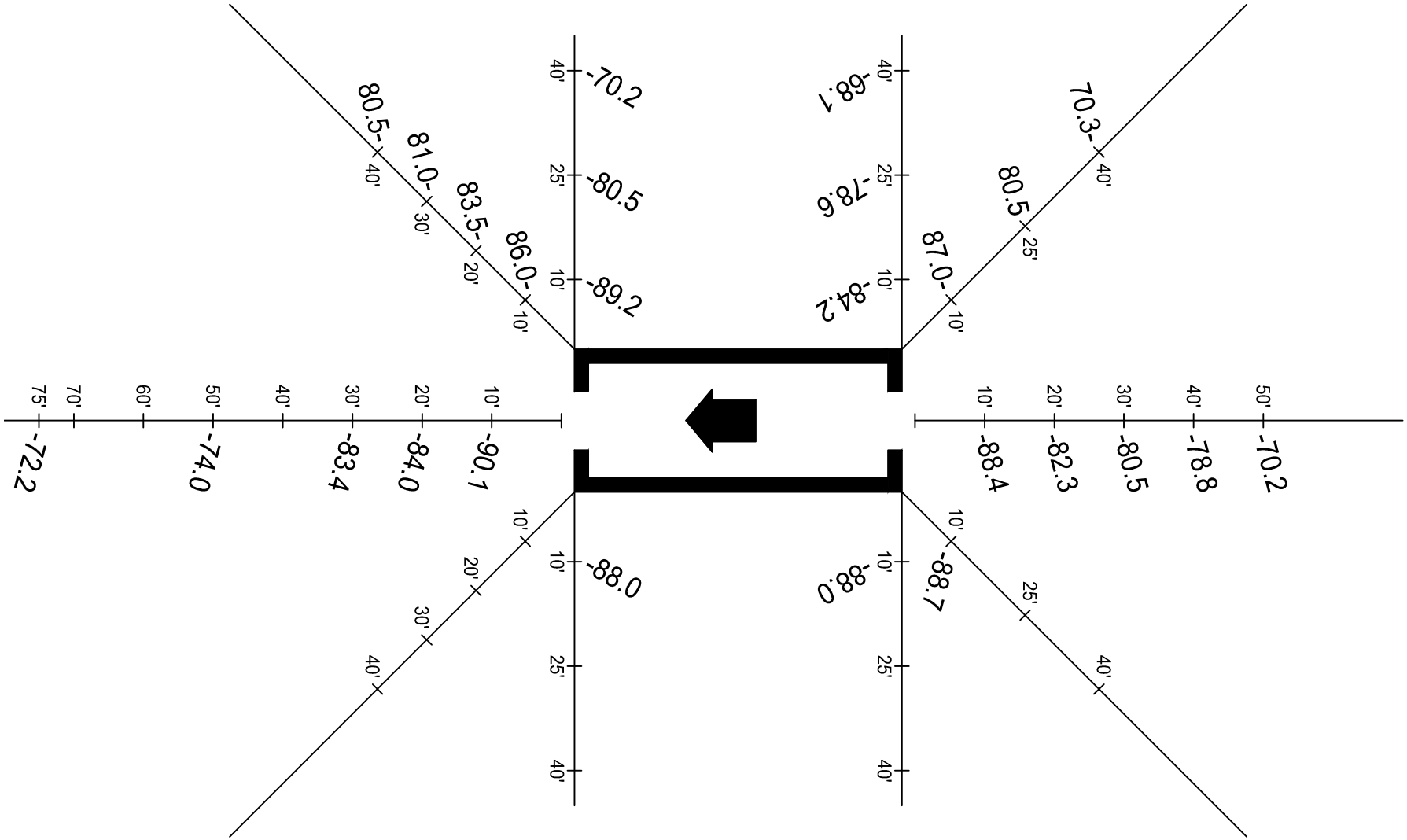
Appendix B-.

1705 Berryessa Road - LT-02

July 05, 2016 to July 06, 2016



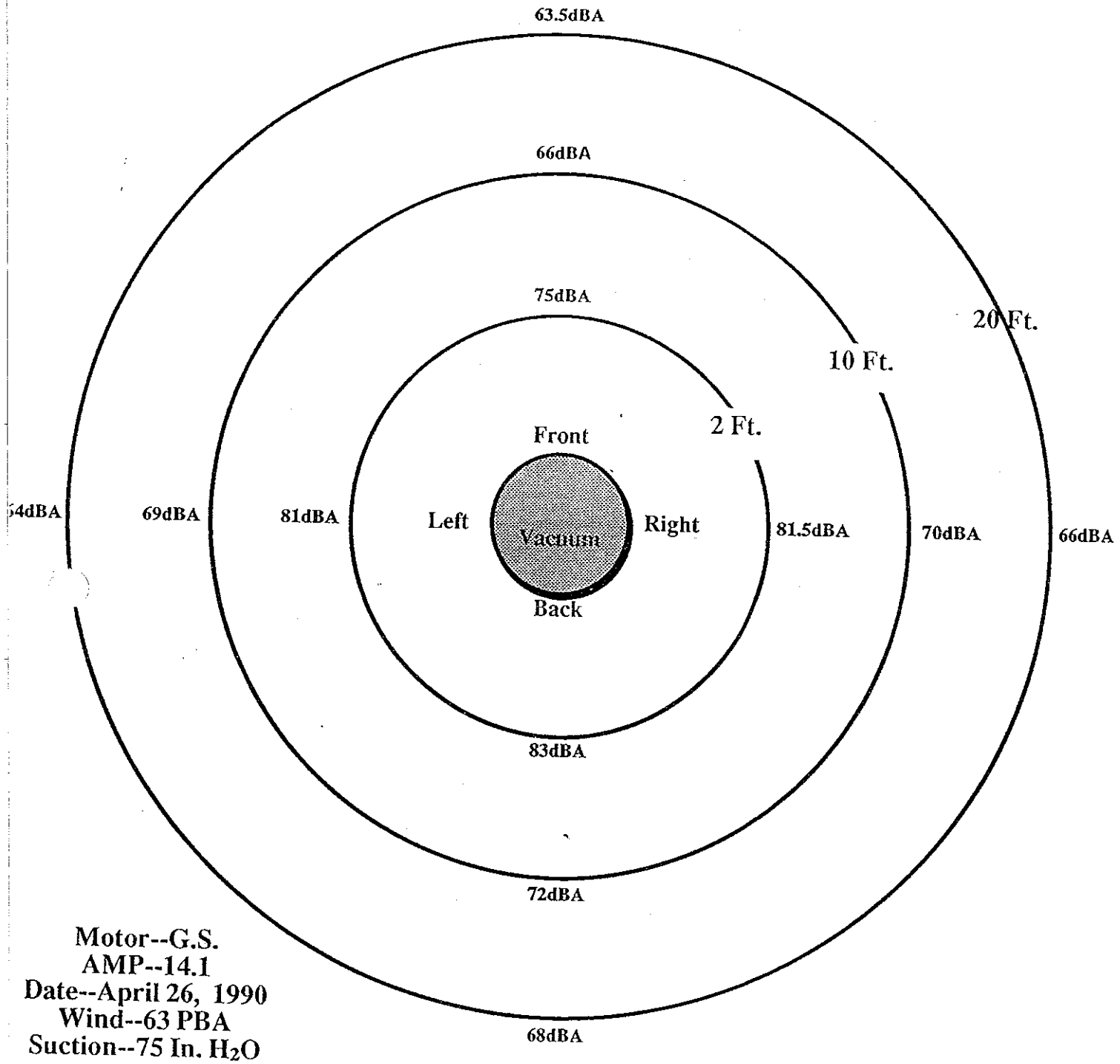
Appendix C Manufacturer Sound Level Data



Ryko Solutions 3-Fan SlimLine Dryer

Sound Readings Taken 4/4/2016 at Toyota of Des Moines

RYKO Round Stainless Steel Vacuum
Noise Testing
Standard Vacuum *With Noise Absorbing Insulation*



Motor--G.S.
AMP--14.1
Date--April 26, 1990
Wind--63 PBA
Suction--75 In. H_2O

APPENDIX E: TRAFFIC IMPACT ANALYSIS

Draft Traffic Impact Analysis Report

1705 Berryessa Road Gas Station (PDC15-027)

City of San Jose, California

April 8, 2016

TJKM

This page intentionally left blank

Contents

Executive Summary **1**

Introduction **5**

Study Intersections and Scenarios 5

Study Methodology **9**

Level of Service Analysis Methodology 9

Significant Impact Criteria/Level of Service Standards 10

Existing Conditions **11**

Existing Setting and Roadway System 11

Existing Peak Hour Traffic Volumes 11

Existing Pedestrian Facilities 12

Existing Bicycle Facilities 12

Existing Transit Facilities 13

Intersection Level of Service Analysis – Existing Conditions 17

Construction of the Berryessa BART Station and its Effect on Data Collection 17

Field Observations 18

Existing plus Project Conditions **22**

Proposed Project Location and Description 22

Project Trip Generation 22

Project Trip Distribution and Assignment 24

Intersection Level of Service Analysis – Existing plus Project Conditions 26

Background (Existing plus Approved Projects) Conditions **28**

Intersections Level of Service Analysis – Background Conditions 28

Background plus Project Conditions **30**

Intersection Level of Service Analysis – Background plus Project Conditions 30

Cumulative Conditions **32**

Intersection Level of Service Analysis - Cumulative Conditions 32

Cumulative plus Project Conditions **34**

Intersection Level of Service Analysis - Cumulative plus Project Conditions 34

Queuing and Driveway Analysis **36**

Queuing Analysis at Selected Study Intersections 36

Queuing and Level of Service Analysis at Project Driveway 37

Site Access and On-Site Circulation and other impacts **38**

Site Access 38

Pedestrian Access 39

Bicycle Access 39

Transit 39

Project's conformance to urban village plan 40

Project's conformance to drive-through uses policy (policy 6-10) 40

Sight distance analysis 41

parking 42

Conclusions and Recommendations **43**

Tables

Table ES 1: Intersection Levels of Service Summary 4

Table 1: Existing Transit Services 13

Table 2: Intersection Level of Service Analysis – Existing Conditions 20

Table 3: Project Trip Generation 23

Table 4: Intersection Level of Service Analysis – Existing plus Project Conditions 26

Table 5: Intersection Level of Service Analysis – Background (Existing plus Approved Projects) Conditions 28

Table 6: Intersection Level of Service Analysis – Background plus Project Conditions 30

Table 7: Intersection Level of Service Analysis – Cumulative Conditions 32

Table 8: Intersection Level of Service Analysis – Cumulative plus Project Conditions 34

Table 9: 95th Percentile Queues at Turn Pockets Affected by Project Traffic 36

Table 10: 95th Percentile Queues and Level of Service at Project Driveways 37

Figures

Figure 1: Vicinity Map 7

Figure 2: Project Site Plan 8

Figure 3: Existing Pedestrian Facilities 14

Figure 4: Existing Bicycle Facilities 15

Figure 5: Existing Transit Facilities 16

Figure 6: Existing Conditions Traffic Volumes, Lane Geometry and Traffic Controls 21

Figure 7: Project Trip Assignment and Distribution 25

Figure 8: Existing Plus Project Conditions Traffic Volumes, Lane Geometry and Traffic Controls 27

Figure 9: Background Conditions Traffic Volumes, Lane Geometry and Traffic Controls 29

Figure 10: Background Plus Project Conditions Traffic Volumes, Lane Geometry and Traffic Controls 31

Figure 11: Cumulative Conditions Traffic Volumes, Lane Geometry and Traffic Controls 33

Figure 12: Cumulative plus Project Conditions Traffic Volumes, Lane Geometry and Traffic Controls 35

Appendices

Appendix A – Level of Service Methodology

Appendix B – Existing Conditions Intersections Level of Service Worksheets

Appendix C – Existing plus Project Conditions Intersections Level of Service Worksheets

Appendix D – Approved Trip Inventory and Background Conditions Intersections Level of Service Worksheets

Appendix E – Background plus Project Conditions Intersections Level of Service Worksheets

Appendix F – Cumulative Conditions Intersections Level of Service Worksheets

Appendix G – Cumulative plus Project Conditions Intersections Level of Service Worksheets

This page intentionally left blank

EXECUTIVE SUMMARY

This report summarizes the results of the Traffic Impact Analysis (TIA) conducted for the proposed expansion of the existing Shell gas station located at 1705 Berryessa Road on a 0.40 gross acre site at the northwest corner of the Berryessa Road /Lundy Avenue intersection in the City of San Jose. The existing site is currently developed with a 544 square foot (sf) convenience store/kiosk, 1,307 sf carwash tunnel and eight (8) fuel dispenser gas station (16 fueling positions).

The project proposes to commercially redevelop the entire project site. The project proposes to expand the existing convenience store from 544 sf to 3,212 sf, reduce the existing carwash tunnel from 1,307 sf to 1,086 sf, replace the eight (8) fuel dispenser gas station (16 fueling positions) with new equipment, and construct a 2,490 sf retail/deli building. The site also contains surface parking spaces and landscaping.

Proposed access to the site will be by two (2) limited driveways (right-in/right-out): one (1) driveway on Berryessa Road and the other one (1) on Lundy Avenue. To evaluate the impacts on the transportation infrastructure due to the addition of traffic from the proposed project, four study intersections were evaluated during the weekday morning (AM) peak hour and evening (PM) peak hour under six study scenarios. The study intersections were evaluated under *No Project* and *Plus Project* scenarios for Existing, Background, and Cumulative Conditions. For the purposes of this analysis, potential traffic operational effects from the proposed project are identified based on established traffic operational thresholds for the Santa Clara County Valley Transportation Authority (VTA) Congestion Management Program (CMP) and the City of San Jose.

The report also includes evaluations and recommendations concerning project site access and on-site circulation for vehicles, bicycles, and pedestrians, evaluation of on-site vehicle parking supply, passenger and commercial loading spaces and garbage/trash facilities, queuing analysis at the driveway and selected study intersections.

Project Trip Generation

The proposed commercial development project is forecasted to serve a net increase of net of 4,775 daily trips including pass-by trips. The majority of project trips are anticipated to be pass-by trips generated by vehicles traveling between other destinations and passing the site under "without project" conditions.

The project is forecasted to generate 65 net vehicle during the a.m. peak hour and 21 net vehicle during the p.m. peak hour. The net peak hour trip generation forecast includes discounts for existing site use and retail peak hour pass-by trip reduction as per the Institute of Transportation Engineer's (ITE) Trip Generation 9th Edition (2012).

Existing Conditions

The TIA analysis found that all the study intersections currently operate within applicable jurisdictional standards of City of San Jose Level of Service (LOS) D and VTA's CMP (LOS E) or better during the a.m and p.m. peak hours.

Existing plus Project Conditions

Under this scenario, all the intersection operate within applicable jurisdictional standards of City of San Jose (LOS D) and VTA's CMP (LOS E) or better during the a.m. and p.m. peak hours.

Based on the City of San Jose and VTA CMP impact criteria the project is expected to have a **less-than-significant** impact at all four study intersections under Existing plus Project Conditions.

Background (Existing plus Approved Projects) Conditions

Under this scenario, all the intersection operate within applicable jurisdictional standards of City of San Jose (LOS D) and the VTA's CMP (LOS E) or better during the a.m. and p.m. peak hours.

Background plus Project Conditions

Under this scenario, all the intersection operate within applicable jurisdictional standards of City of San Jose (LOS D) and the VTA's CMP (LOS E) or better during the a.m. and p.m. peak hours.

Based on the City of San Jose and VTA CMP impact criteria, the project is expected to have a **less-than-significant** impact at all four study intersections under Background plus Project Conditions.

Cumulative Conditions

Under this scenario, all the intersection operate within applicable jurisdictional standards of City of San Jose (LOS D) and the VTA's CMP (LOS E) or better during the a.m. and p.m. peak hours.

Cumulative plus Project Conditions

Under this scenario, all the intersection operate within applicable jurisdictional standards of City of San Jose (LOS D) and the VTA's CMP (LOS E) or better during the a.m. and p.m. peak hours.

Based on the City of San Jose and VTA CMP impact criteria, the project is expected to have a **less-than-significant** impact at all four-study intersections under Cumulative plus Project Conditions.

Queuing and Driveway Analysis

The proposed project *does not create a significant impact* on the expected left-turn or right-turn queues at the study intersections. The project driveways are expected to operate at an acceptable LOS and the 95th percentile queueing at the outbound approach of project driveway is expected to be minimal.

Pedestrian, Bicycle and Transit Impacts

Pedestrian access to the site will via a sidewalk entrance on Berryessa Road. There are no bus stops immediately bordering the site. The proposed project does not conflict with existing and planned pedestrian or bicycle facilities and will add very few trips to existing transit facilities, which can be accommodated by the existing transit capacity. Therefore, the impact to pedestrian, bicycle facilities and transit facilities is ***less-than-significant***.

On-Site Circulation

TJKM examined the project site plan in order to evaluate the adequacy of on-site vehicle circulation including refueling trucks, delivery trucks, and emergency vehicles. The proposed project's access will be

via two (2) driveways (right-in/right-out access): one on Lundy Avenue and other one on Berryessa Road. Based on the evaluation, the proposed on-site vehicle circulation is adequate and should not result in traffic operations issues that would result in significant impacts on City streets.

Project's Conformance to Urban Village Plan

The proposed project is located within a designated Urban Village due to its proximity to the future Berryessa Bay Area Rapid Transit (BART) station as well as the opportunities for transit-oriented development to occur in the area. TJKM examined the project site plan in order to evaluate the project's conformance to the Urban Village Plan. The project's site plan proposes 15 foot wide sidewalks along Berryessa Road (4 feet 8 inches of proposed dedication to Right of Way plus the existing sidewalk) and 15 foot wide sidewalks along Lundy Avenue (4 feet 11 inches of proposed dedication to Right of Way plus the existing sidewalk), which are wider than the standard 6 foot sidewalks in this area. Further, the project proposes to construct the convenience store and retail deli at the northwest corner of the intersection of Berryessa Road and Lundy Avenue. These improvements would support and create a safer environment for pedestrians and bicycle users, thereby conforming to the Urban Village Plan.

Drive-Thru Uses Policy

TJKM examined the project site plan in order to evaluate the drive-through uses based on City of San Jose's drive-thru Policy Number 6-10. The analysis shows each of the criteria required for a drive-through uses were met.

Parking

Based on the project site plan, 33 parking spaces will provided for the proposed project. Based on the City's requirements, 25 parking spaces are required, so the number of proposed parking spaces will be adequate. Based on the proposed parking spaces to be provided on site, the project is not anticipated to affect parking demand on City streets.

Recommendation

TJKM recommends the installation of Stop control exiting the project driveways with appropriate pavement delineation and signing. In addition, it is also recommended to install "One Way" signs in the center concrete median on the major roadways to enhance traffic safety and operations at the driveway exit points. To enhance pedestrian and bicycle operations at the intersection of Berryessa Road/Lundy Avenue (#1) and to be consistent with the City of San Jose adopted goals, it is recommended that the project should reconfigure the northwest quadrant of the intersection by removing the northwest pedestrian island and right-turn slip-lane at the intersection of Berryessa Road/Lundy Avenue. This improvement will provide a better line of sight for pedestrians, bicyclists and drivers at the intersection. Reconfiguration of the northwest quadrant to remove the northwest pedestrian island will necessitate the realignment of the pedestrian crosswalk across Berryessa Road and signal modification at the intersection.

Table ES I below summarizes peak hour levels of service at the study intersection for all the scenarios.

Table ES 1: Intersection Levels of Service Summary

ID #	City ID #	Intersection	Peak Hour[1]	Existing Conditions		Existing plus Project Conditions		Background Conditions		Background plus Project Conditions		Cumulative Conditions		Cumulative plus Project Conditions	
				Avg Delay[2]	LOS[3]	Avg Delay[1]	LOS[2]	Avg Delay[1]	LOS[2]	Avg Delay[1]	LOS[2]	Avg Delay[1]	LOS[2]	Avg Delay[1]	LOS[2]
1	3076	Berryessa Road/ Lundy Avenue*	AM	43.60	D	44.00	D	48.00	D	48.70	D	49.70	D	50.60	D
			PM	45.30	D	45.40	D	50.10	D	50.20	D	51.60	D-	51.70	D-
2	3295	Berryessa Road/ Flickinger Avenue	AM	38.70	D+	38.60	D+	39.30	D	39.30	D	39.70	D	39.70	D
			PM	35.60	D+	35.60	D+	35.40	D+	36.20	D+	36.50	D+	36.50	D+
3	3623	North King Road/ Mabury Road	AM	40.40	D	40.50	D	43.10	D	43.20	D	43.80	D	43.90	D
			PM	39.40	D	39.40	D	42.80	D	42.80	D	43.70	D	43.80	D
4	3661	Lundy Avenue/ Sierra Road	AM	29.90	C	29.90	C	29.60	C	29.60	C	29.80	C	29.70	C
			PM	22.30	C+	22.30	C+	23.10	C	23.10	C	23.70	C	23.70	C

Notes:

1. AM – morning peak hour, PM – evening peak hour
2. Average intersection delay expressed in seconds per vehicle for signalized intersections
3. LOS = Level of Service

* CMP Intersections with LOS E threshold

INTRODUCTION

This report summarizes the results of the TIA for the proposed commercial development located at 1705 Berryessa Road on the northwest corner of Berryessa Road/Lundy Avenue intersection in the City of San Jose. The existing site consists of a 544 sf convenience store/kiosk, 1,307 sf carwash tunnel and eight (8) fuel dispenser gas station (16 fueling positions).

The project proposes to construct of an approximately 3,212 sf convenience store with an existing eight (8) fuel dispenser gas station, a 2,490 sf retail/deli building and a 1,086-sf car-wash tunnel on the 0.4 gross acre site. Proposed access to the site will be by two (2) limited driveways (right-in/right-out): one driveway on Berryessa Road and the other one on Lundy Avenue. Pedestrian access to the deli and convenience market will be via a sidewalk from Berreyessa Road.

This chapter discusses the TIA purpose, project study area, analysis scenarios and methods, and criteria used to identify significant impacts.

STUDY INTERSECTIONS AND SCENARIOS

TJKM evaluated traffic conditions at four study intersections during the a.m. and p.m. peak hours for a typical weekday. The study intersections were selected in consultation with the City of San Jose staff. The peak periods observed were between 7:00-9:00 AM and 4:00-6:00 PM. The study intersections and associated traffic controls are as follows:

1. Berryessa Road/Lundy Avenue* (Signal/City ID# 3076)
2. Berryessa Road/Flickinger Avenue (Signal/City ID# 3295)
3. King Road/Mabury Avenue (Signal/City ID# 3623)
4. Lundy Avenue/Sierra Road (Signal/City ID# 3661)

*Congestion Management Program (CMP) Intersection

Figure 1 illustrates the study intersections and the vicinity map of the proposed project. **Figure 2** shows the proposed project site plan.

This study addresses the following six traffic scenarios:

Existing Conditions – This scenario evaluates the study intersection based on existing traffic volumes, lane geometry and traffic controls.

Existing plus Project Conditions – This scenario is identical to Existing Conditions, but with the addition of traffic from the proposed project.

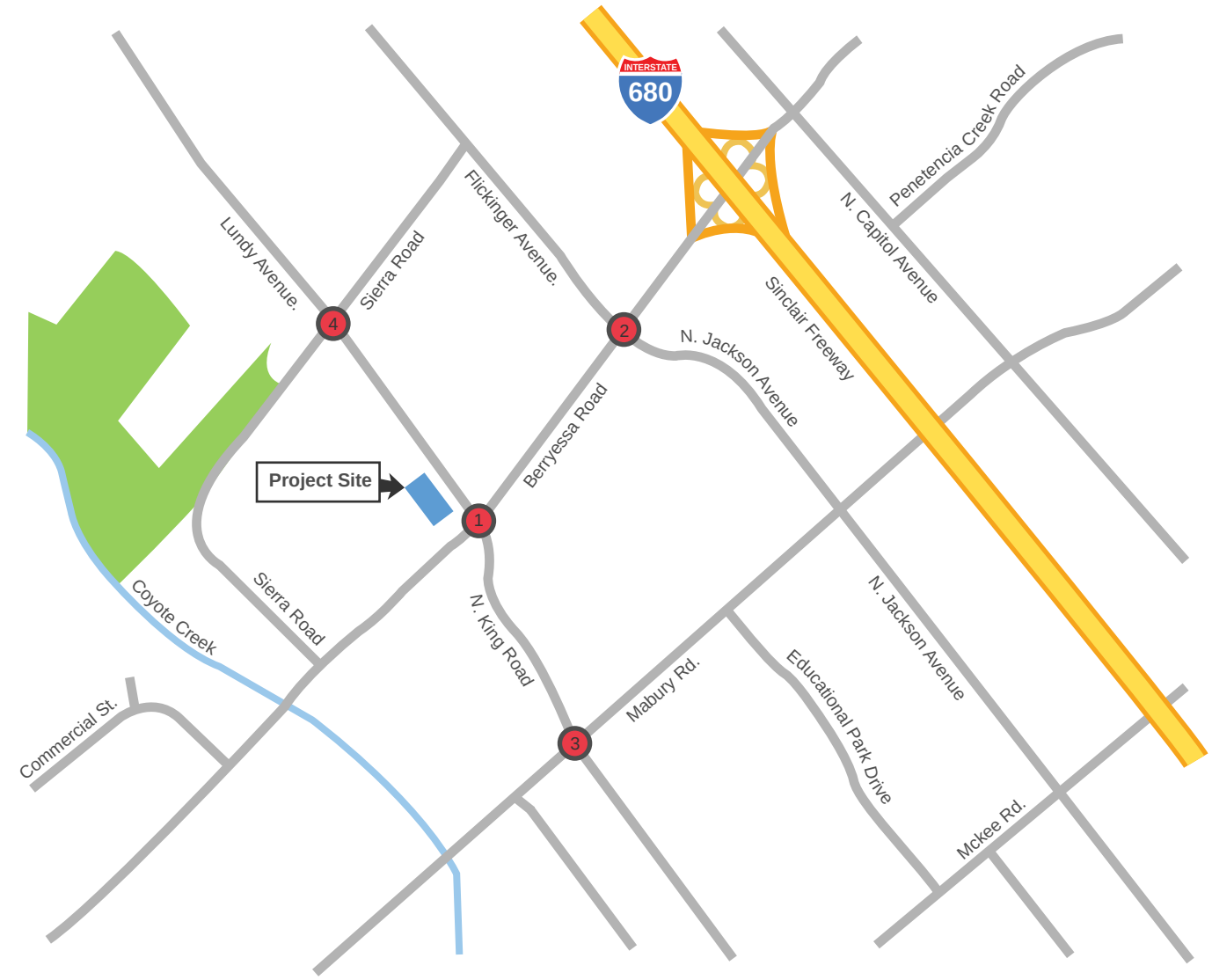
Background (Existing plus Approved Projects) Conditions – This scenario is similar to Existing Conditions, but with the addition of traffic from approved and pending developments within the vicinity of the proposed project.

Background plus Project Conditions – This scenario is identical to Background Conditions, but with the addition of traffic from the proposed project.

Cumulative Conditions – This scenario is similar to the Background Conditions but with the projected growth rate of 1 percent per year for five (5) years, which was applied to Background Conditions traffic volumes, in accordance with standard City of San Jose procedures.

Cumulative plus Project Conditions – This scenario is identical to Cumulative Conditions, but with the addition of traffic from the proposed project.

Vicinity Map



LEGEND

Study Intersection

N

TJKM

Figure 1

Project Site Plan

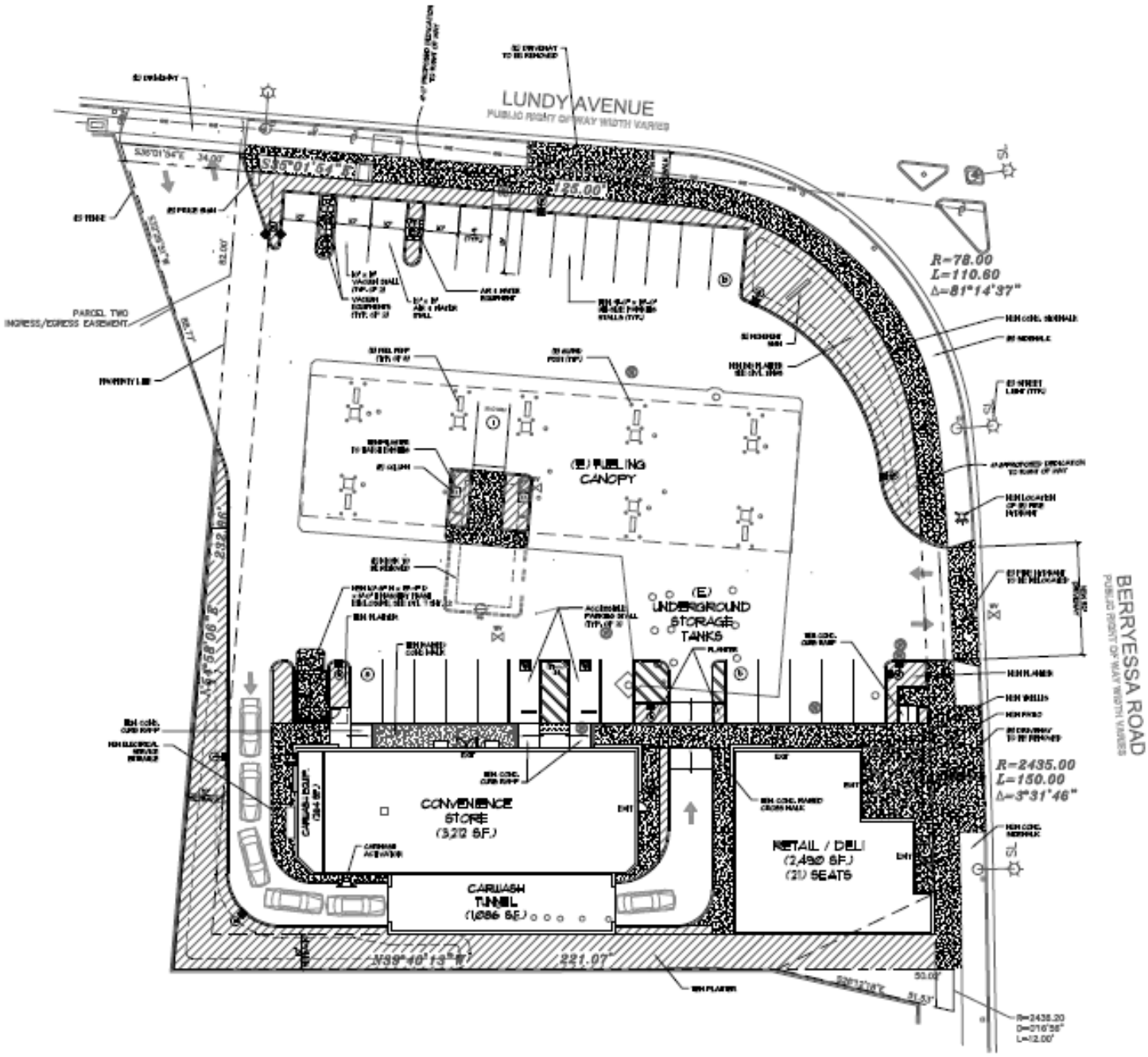


Figure 2

STUDY METHODOLOGY

LEVEL OF SERVICE ANALYSIS METHODOLOGY

Level of Service (LOS) is a qualitative measure that describes operational conditions as they relate to the traffic stream and perceptions by motorists and passengers. The LOS generally describes these conditions in terms of such factors as speed and travel time, delays, freedom to maneuver, traffic interruptions, comfort, convenience and safety. The operational LOS are given letter designations from A to F, with A representing the best operating conditions (free-flow) and F the worst (severely congested flow with high delays). Intersections generally are the capacity-controlling locations with respect to traffic operations on arterial and collector streets.

Signalized Intersections

The study intersections under traffic signal control were analyzed using the 2000 Highway Capacity Manual (HCM) Operations Methodology for signalized intersections described in Chapter 16 (HCM 2000). This methodology determines LOS based on average control delay per vehicle for the overall intersection during peak hour intersection operating conditions. The LOS methodology is approved by VTA, and adopted by the City of San Jose. Control delay includes initial deceleration delay, queue move-up time, stopped delay, and final acceleration delay. The average control delay for signalized intersections was calculated using TRAFFIX 8.0 analysis software and was correlated to a LOS designation as shown in **Appendix A**. The LOS methodology is described for signalized intersections in detail in **Appendix A**.

Unsignalized Intersections

The study intersections under stop control (unsignalized) were analyzed using the 2000 HCM Operations Methodology for signalized intersections described in Chapter 17 (HCM 2000). LOS ratings for stop-sign controlled intersections are based on the average control delay expressed in seconds per vehicle. At the side street, controlled intersections or two-way stop sign intersections, the control delay is calculated for each movement, not for the intersection as a whole. For approaches composed of a single lane, the control delay is computed as the average of all movements in that lane. The weighted average delay for the entire intersections is presented for all-way stop controlled intersections. The average control delay for unsignalized intersections was calculated using TRAFFIX 8.0 analysis software and was correlated to a LOS designation as shown in **Appendix A**. The LOS methodology is described for unsignalized intersections in detail in **Appendix A**.

Significant Impact Criteria/Level of Service Standards

Signalized Intersections

According to City of San Jose standards, a projected-generated increase in traffic is considered to have a significant impact if it meets either of the following criteria:

- At a signalized study intersection located outside the downtown area, the project would cause the existing or future Background LOS to degrade to worse than LOS D (i.e., to LOS E or F); or
- The LOS at a study intersection is an unacceptable LOS E or F under Background Conditions and the addition of project trips cause both the critical movement delay at the intersection to increase by four (4) or more seconds and the demand-to-capacity (V/C) ratio to increase by 0.01 or more.
- The City of San Jose considers a significant impact to be satisfactorily mitigated when the measure implemented would restore LOS to Background Conditions or better. All proposed mitigation must also include a feasibility analysis, which includes an aerial photograph showing all buildings and right-of-way lines overlaid with the proposed mitigation.

Protected Intersections

The City of San Jose has identified certain local intersections for which no further vehicle capacity improvements are planned. These intersections are built to their maximum capacity, where further expansion would cause significant adverse effects upon existing or approved transit or other multimodal facilities, nearby land uses, or local neighborhoods. The threshold of significance for protected intersections is one-half that of non-protected intersections in terms of critical delay and critical V/C.

Santa Clara County Valley Transportation Authority CMP Intersections

The LOS Standard for CMP intersections is LOS E. The projected-generated increase in traffic is considered to have a significant impact at a CMP intersection if it meets either of the following criteria:

- If intersection operations degrade from an acceptable level (LOS E or better) to an unacceptable level (LOS F).
- If the critical delay increases by more than four (4) seconds and the V/C ratio increases by 0.01 or more at intersections with unacceptable operations (LOS F).
- The V/C ratio increases by 0.01 or more at an intersection with unacceptable operations (LOS F) when the change in critical delay is negative (i.e., decreases). This can occur if the critical movements change.

EXISTING CONDITIONS

This section describes existing conditions in the immediate project site vicinity, including roadway facilities, bicycle and pedestrian facilities, and available transit service. In addition, existing traffic volumes and operations are presented for the study intersection, including the results of LOS calculations.

EXISTING SETTING AND ROADWAY SYSTEM

Important roadways adjacent to the project site are discussed below:

Berryessa Road within the project vicinity is a six-lane, east-west divided arterial roadway. Berryessa Road extends between Piedmont Road and Interstate 880 (I-880). Berryessa Road provides access to local residential and regional commercial areas and provides direct access to the project site via one (1) existing driveway. The posted speed limit along Berryessa Road is 40 mph within the project vicinity.

Lundy Avenue within the project vicinity is a four-lane, north-south divided arterial roadway. Lundy Avenue extends between Commodore Drive and Trade Zone Boulevard. Lundy Avenue provides direct access to the project site via one (1) existing driveway. The posted speed limit along Lundy Avenue is 40 mph within the project vicinity.

King Road within the project vicinity is a four- to two-lane, north-south divided arterial roadway. King Road extends between Commodore Drive and Capitol Expressway. Lundy Avenue provides direct access to the project site via one (1) existing driveway. The posted speed limit along King Road is 40 mph within the project vicinity.

Flickinger Avenue within the project vicinity is a four-lane, north-south divided arterial roadway. Flickinger Avenue extends between Berryessa Road and Hostetter Road. The posted speed limit along Flickinger Avenue is 40 mph within the project vicinity.

North Jackson Avenue within the project vicinity is a four-lane, north-south divided arterial roadway. North Jackson Avenue extends between Berryessa Road and Story Road. The posted speed limit along North Jackson Avenue is 35 mph within the project vicinity.

Mabury Road within the project vicinity is a four-lane, east-west divided arterial roadway. Mabury Road extends between Gridley Street and I-880. Mabury Road provides access to local residential and regional commercial areas. The posted speed limit along Mabury Road is 40 mph within the project vicinity.

Sierra Road within the project vicinity is a four- to two-lane, east-west collector street. Sierra Road extends between Berryessa Road and Wood Ranch Road. It provides access to the local residential areas. The speed limit along Sierra Road is 25 mph.

EXISTING PEAK HOUR TRAFFIC VOLUMES

The City of San Jose provided turning movement counts for all the four study intersections for both a.m. and p.m. peak hours.

Existing Pedestrian Facilities

Walkability is defined as the ability to travel easily and safely between various origins and destinations without having to rely on automobiles or other motorized travel. The ideal "walkable" community includes wide sidewalks, a mix of land uses such as residential, employment, and shopping opportunities, a limited number of conflict points with vehicle traffic, and easy access to transit facilities, and services.

Pedestrian facilities comprise of crosswalks, sidewalks, pedestrian signals, and off-street paths, which provide safe and convenient routes for pedestrians to access the destinations such as institutions, businesses, public transportation, and recreation facilities.

In the project vicinity, all signalized study intersections are equipped with countdown pedestrian signal heads. All the study intersections have crosswalks but most of them are not compliant with the Americans with Disabilities Act (ADA). The project site has adequate accessibility via Lundy Avenue and Berryessa Road. There are continuous sidewalks present on Berryessa Road, Lundy Avenue, North King Road, Flickinger Avenue, North Jackson Avenue, and Mabury Road along the both sides within the project vicinity. All the existing sidewalks are approximately 6 to 9 feet wide varying along the project area. There is adequate street lighting in the vicinity.

There are seven bus stops in the immediate vicinity of the project site. Five of the stops are located on Berryessa Road between Sierra Road and Vinci Park Way, two on the north side of the street for westbound travel and three on the south side of the street for eastbound travel. Another two stops are located on Lundy Avenue between Berryessa Road and Commodore Drive, one on the east side of the street for northbound travel and one on the west side of the street for southbound travel. All bus stops are accessible via existing sidewalks.

The existing pedestrian facilities in the study area are shown in **Figure 3.**

Existing Bicycle Facilities

Bicycle facilities include the following:

- Bike Paths (Class I) – Paved trails that are separated from roadways
- Bike Lanes (Class II) – Lanes on roadways designated for use by bicycles through striping, pavement legends, and signs
- Bike Routes (Class III) – Designated roadways for bicycle use by signs or other markings may or may not include additional pavement width for cyclists

Class II Bike lanes are provided along the Berryessa Road, Lundy Avenue, Flickinger Avenue, North Jackson Avenue, and Mabury Road along the both sides near the project site. There is adequate signage for the bicyclists to maneuver without confusion. The City of San Jose bike plan 2020 dated November 17, 2009 provides a list of existing and proposed bicycle facilities in the City. According to the City's bike plan, Sierra Road between Flickinger Avenue and Bellemeade Street is proposed to have Class II Bike lanes. Overall, existing bicycle facilities provide adequate connectivity between the proposed project site and the adjacent residential neighborhoods.

The existing bicycle facilities in the study area are shown in **Figure 4.**

EXISTING TRANSIT FACILITIES

VTA operates bus service and light rail services in the City of San Jose. The proposed project site is served by VTA local bus Routes 12, 62, 70, and 77.The existing transit facilities are shown in **Figure 5**. **Table 1** describes the services and frequency during the week and weekend for VTA bus Routes.

The intersection of Sierra Road and Lundy Avenue (#4) is currently closed to automobile and pedestrian traffic to construct a trench for the future BART system to travel below the intersection. VTA Bus Route 77 is temporarily rerouted along Flickinger Avenue.

Table 1: Existing Transit Services

Route	***From***	***To***	***Weekdays***		***Weekends***	
			Operating Hours	***Headway (minutes)***	***Operating Hours***	***Headway (minutes)***
12	Civic Center Light Rail Station	Eastridge Transit Center	NA	NA	9:36 AM–7:00 PM	30
62	Good Samaritan Hospital	Sierra and Piedmont	5:29 AM–11:00 PM	30-45	6:30 AM–9:47 PM	60
70	Capitol Light Rail Station	Great Mall Transit Center	5:11 AM–11:24 PM	15-35	6:10 AM–11:22 PM	20-30
77	Eastridge Transit Center	Great Mall Transit Center	5:54 AM–9:57 PM	15	6:41 AM–7:58 PM	45

Source: VTA website

Existing Pedestrian Facilities

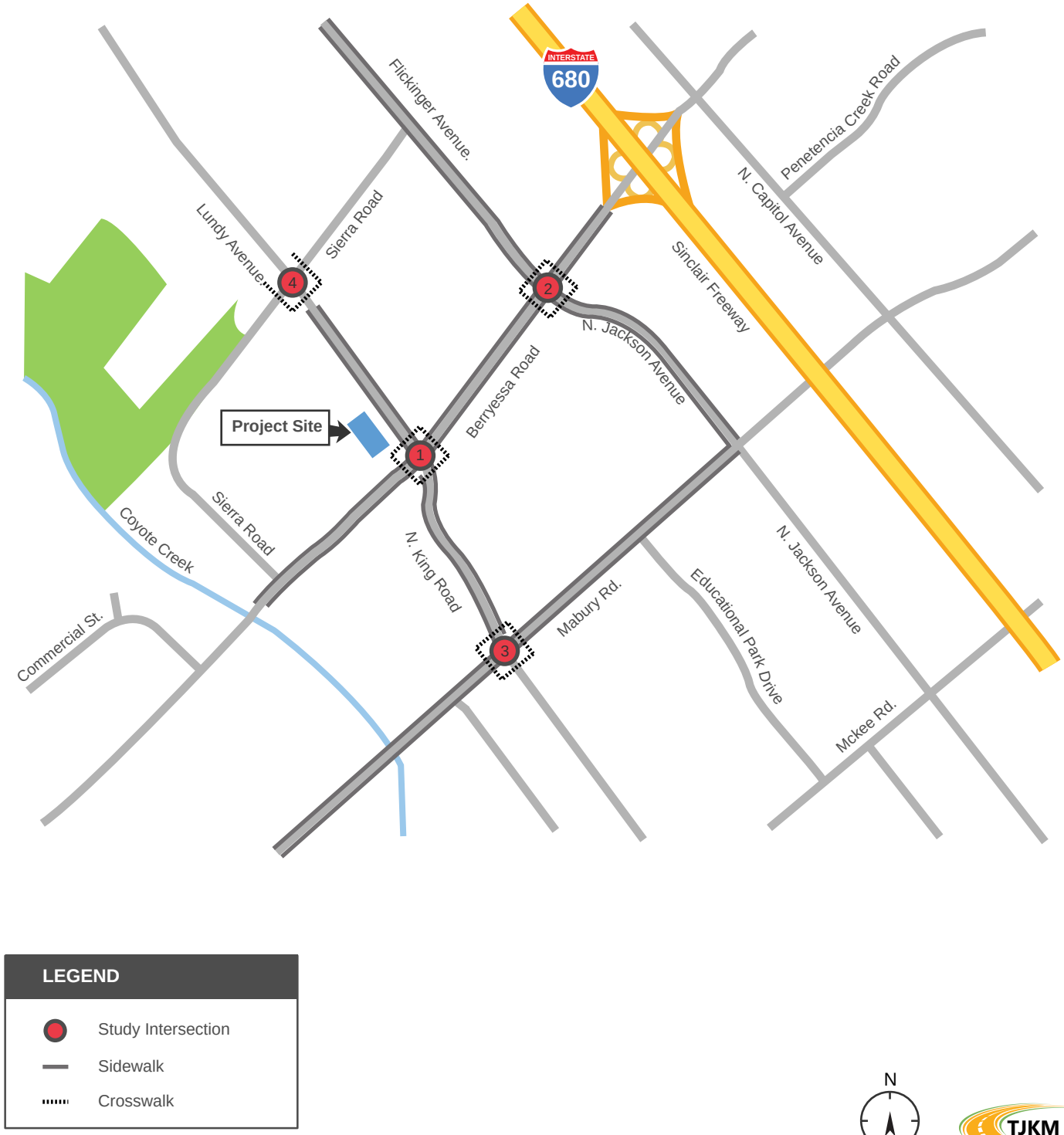


Figure 3

Existing Bicycle Facilities

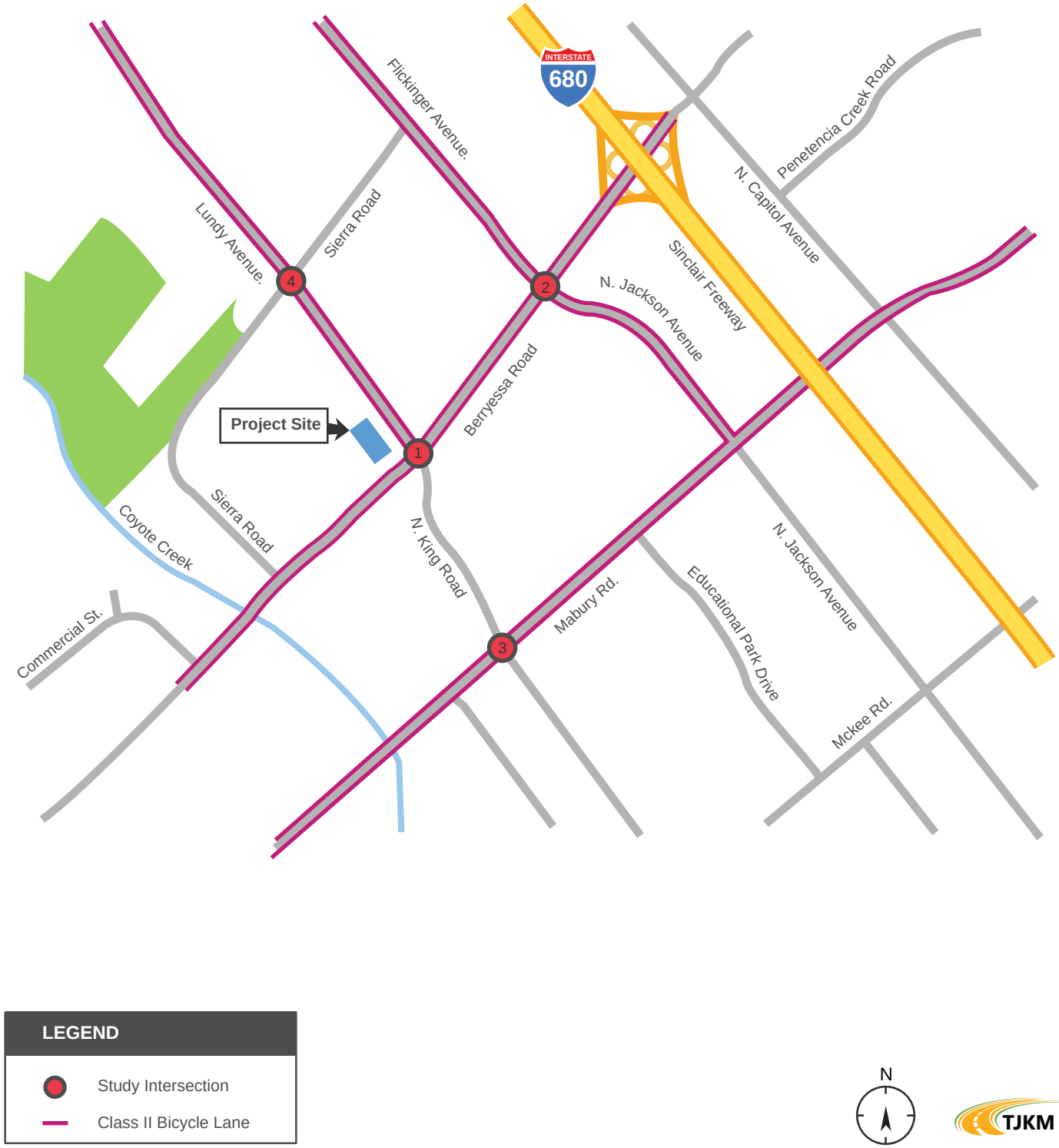
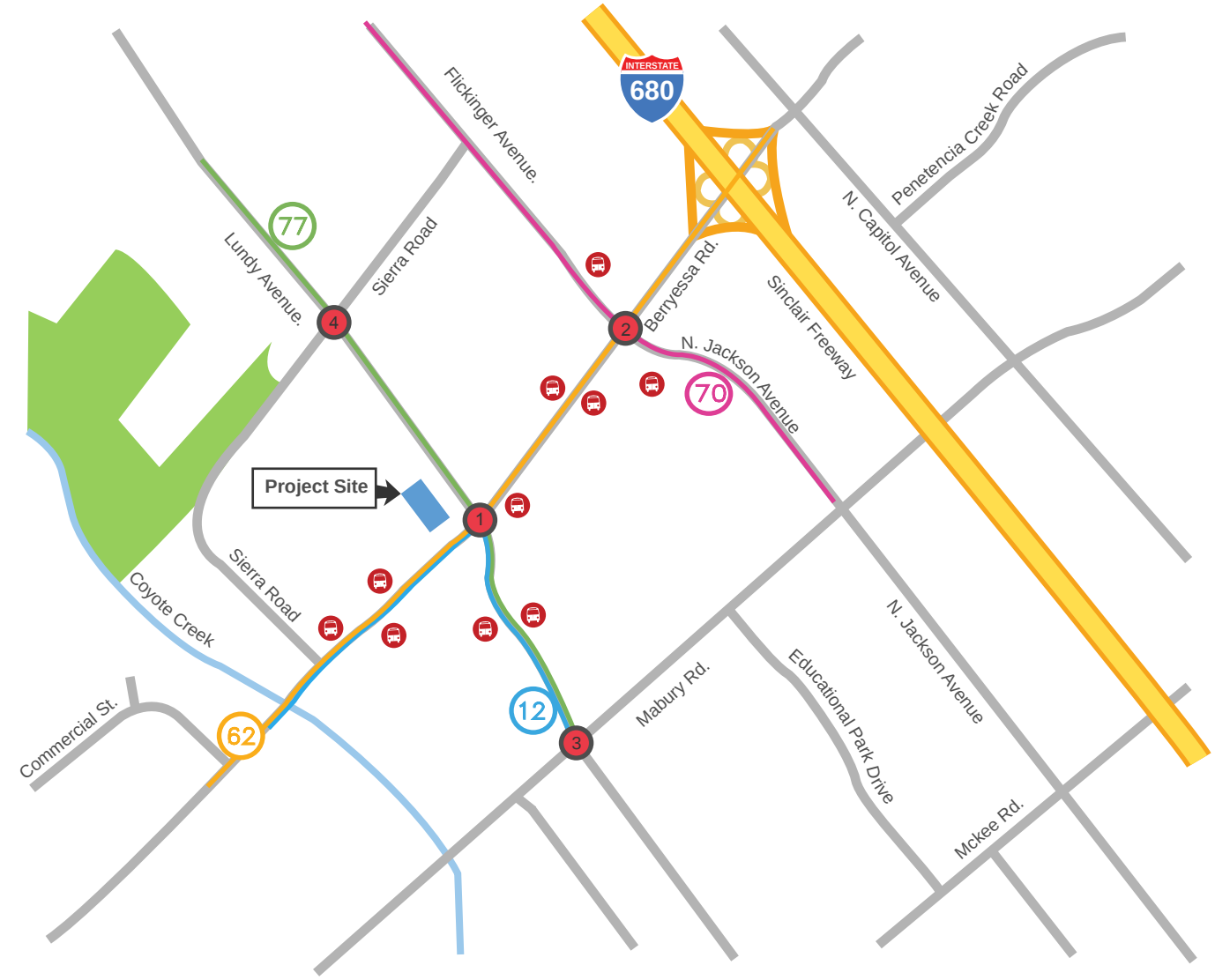


Figure 4

Existing Transit Facilities



LEGEND

- Study Intersection
- Route 62
- Route 12
- Route 77
- Route 70
- Transit Stops

N

TJKM

Figure 5

Intersection Level of Service Analysis – Existing Conditions

The existing operations of the study intersections were evaluated for the highest one-hour volume during the weekday morning and evening peak periods. Turning movement counts and signal timings for the study intersections were provided by the City of San Jose. The peak hour factor of 1.00 was used to all study intersections for the existing analysis. The results of the LOS analysis using the TRAFFIX software program for Existing Conditions are summarized in **Table 2**. Field verification of existing intersection lane configurations and traffic controls were also conducted and provided the basis for the LOS analysis for Existing Conditions. **Figure 6** illustrates the existing vehicle turning movement volumes, lane geometry, and traffic controls at the study intersections.

Construction of the Berryessa BART Station and its Effect on Data Collection

The future Berryessa BART Station to be located between Berryessa and Mabury Roads, adjacent to the San Jose Flea Market in north San Jose, is positioned near where Penitencia and Coyote Creeks meet. Major construction activities continue at the site of the future Berryessa BART Station. Site preparation, which involved the relocation of underground utilities and the demolition of former office buildings, is completed. Upper Penitencia Creek, adjacent to where the station campus will be located, has been rerouted and restored to a more natural setting. The environmental project fulfills environmental and ecological mitigation requirements associated with the VTA's BART Silicon Valley Extension Project. The construction of the Berryessa Station Way vehicular bridge, which spans Upper Penitencia Creek, is complete. When the new BART station is opened, the new bridge will connect Berryessa Road with the station campus. The elevated track structure has been largely completed above Berryessa Road, Mabury Road, and within the station area. Construction of the station platform and 1,200 space-parking garage will continue until the end of 2016.

Berryessa Road will remain at street level, and a bridge for the BART track corridor will be built above the roadway. Berryessa Road is a busy thoroughfare; and the roadway is populated with residential, industrial and commercial areas, including the Berryessa Flea Market. BART operates on an electrified third rail and the tracks must be separated from the street. BART will operate over Berryessa Road on an aerial guideway structure (bridge), maintaining a safe environment at street level for pedestrians, bicyclists, and vehicular traffic.

Mabury Road will remain at street level, and a bridge will be built above it, like the overpass at Berryessa Road. Both directions of traffic on Mabury Road are temporarily shifted to the north of the roadway to accommodate lowering the existing street. Work will ensure proper height clearance for the planned aerial track over the roadway. Mabury Road is also a busy thoroughfare. BART operates on an electrified third rail and the tracks must be separated from the street. BART will operate over Mabury Road on an aerial guideway structure (bridge), maintaining a safe environment at street level for pedestrians, bicyclists and vehicular traffic.

Lundy Avenue/ Sierra Road (#4) VTA is constructing a trench for BART to travel below the intersection of Sierra Road and Lundy Avenue (Sierra/Lundy Grade Separation). The final configuration of Lundy Avenue/ Sierra Road intersection will remain at street level. Future BART trains will pass beneath the current street-level roadways, separating BART trains from vehicle, pedestrian, and cycling traffic. Grade separations are required for a safe and efficient BART system, free from congestion. The intersection of Sierra Road /Lundy Avenue is completely closed to automobile and pedestrian traffic to construct a trench for the future BART system to travel below the intersection. The roads and sidewalks are closed on each side of the intersection up to the first home or residential road. Automobile access to residential roads will be provided. The main detour route during this closure is along Flickinger Avenue. VTA Bus Route 77 is rerouted along Flickinger Avenue.

Because of the future Berryessa BART station, construction along the Berryessa Road, Mabury Road and the intersection of Sierra Road and Lundy Avenue, collecting new data (turning movement counts and Average Daily Traffic) would not be reliable due to the construction. Therefore, turning movement counts provided by City of San Jose for the study intersections were used for the analysis.

FIELD OBSERVATIONS

Field observations within the immediate vicinity of the proposed project and the study intersections were conducted during November 2015 to observe overall transportation characteristics.

Berryessa Road/Lundy Avenue (#1) westbound direction is the peak direction on Berryessa Road during the a.m. peak hour and eastbound direction is the peak direction on Berryessa Road during the p.m. peak hour. It was observed westbound left-turn was heavy in a.m. peak hour and northbound right was heavy in p.m. peak hour.

Berryessa Road/Flickinger Avenue (#2) westbound direction is the peak direction on Berryessa Road during the AM peak hour and eastbound direction is the peak direction on Berryessa Road during the PM peak hour. It was observed southbound left-turn was heavy in a.m. peak hour and westbound left-turn was heavy in p.m. peak hour.

North King Road/Mabury Road (#3) traffic flow at this intersection was moderate in all the four directions.

Lundy Avenue/Sierra Road (#4) is completely closed to automobile and pedestrian traffic to construct a trench for the future BART system to travel below the intersection. The roads and sidewalks are closed on each side of the intersection up to the first home or residential road. Automobile access to residential roads will be provided. The main detour route during this closure is along Flickinger Avenue

Pedestrian activity varied by the intersection. Comparatively higher number of pedestrians were observed along Berryessa Road, Flickinger Avenue and North Jackson Avenue. All the existing sidewalks are approximately 6 to 9 feet wide varying along the project area. There is adequate street lighting in the vicinity.

Class II Bike lanes are provided along Berryessa Road, Lundy Avenue, Flickinger Avenue, North Jackson Avenue and Mabury Road, along both sides near the project site. There is adequate signage for the bicyclists to maneuver without confusion.

Sidewalks are provided along the Berryessa Road, Lundy Avenue, North King Road, Flickinger Avenue, North Jackson Avenue, and Mabury Road, along both sides near the project site.

There are seven bus stops in the immediate vicinity of the project site. Five of the stops are located on Berryessa Road between Sierra Road and Vinci Park Way: two on the north side of the street for westbound travel and three on the south side of the street for eastbound travel. Another two stops are located on Lundy Avenue between Berryessa Road and Commodore Drive, one on the east side of the street for northbound travel and one on the west side of the street for southbound travel. All bus stops are accessible via existing sidewalks. The proposed project site is within one mile of the VTA light rail station and service is provided all days of the week.

The Existing Conditions LOS analysis for the purpose of this TIA is based on an isolated intersection analysis of traffic volumes, rather than analysis of the corridor as a whole. The standalone LOS results sometimes can be misleading if a corridor operates under forced flow, or congested, traffic conditions. Forced flow traffic operations can reduce overall vehicle throughput per hour at intersections, leading to LOS analysis results that suggest there is less corridor congestion than is actually occurring under existing field conditions. Where there is known congestion, additional analysis of field conditions becomes necessary in order to review and evaluate the extent of forced flow operations. TJKM conducted a field review of existing traffic conditions at the study intersections during the prevailing a.m. and p.m. peak periods based on collected traffic counts (7:00-9:00 AM and 4:00-6:00 PM). The purpose was to identify existing operational conditions at the study intersection that might not be reflected in the preceding existing conditions intersection LOS results. The existing operational conditions at the study intersection reflects the preceding existing conditions intersection LOS results.

Table 2 below summarizes peak hour levels of service at the study intersections under Existing Conditions. Under this scenario, all the intersection operate within applicable jurisdictional standards of City of San Jose (LOS D) and VTS's CMP (LOS E) or better during the a.m. and p.m. peak hours. LOS worksheets are provided in **Appendix B**.

It should be noted that the LOS summary results presented in the LOS summary table (**Table 2**) are based on an isolated intersection analysis method adopted by the City of San Jose.

Table 2: Intersection Level of Service Analysis – Existing Conditions

ID	Study Intersections	Control	Peak Hour[1]	Traffic Counts Collected on	Existing Conditions			
					Delay[2]	LOS[3]	Critical V/C	Critical Delay
1	Berryessa Road/ Lundy Avenue*	Signalized	AM	10/23/2014	43.60	D	0.646	43.20
			PM	9/16/2014	45.30	D	0.596	48.40
2	Berryessa Road/ Flickinger Avenue	Signalized	AM	11/18/2010	38.70	D+	0.527	36.10
			PM	11/18/2010	35.60	D+	0.557	37.80
3	North King Road/ Mabury Road	Signalized	AM	4/30/2008	40.40	D	0.450	39.30
			PM	5/8/2008	39.40	D	0.481	36.80
4	Lundy Avenue/Sierra Road	Signalized	AM	5/1/2012	29.90	C	0.397	27.50
			PM	5/1/2012	22.30	C+	0.455	19.30

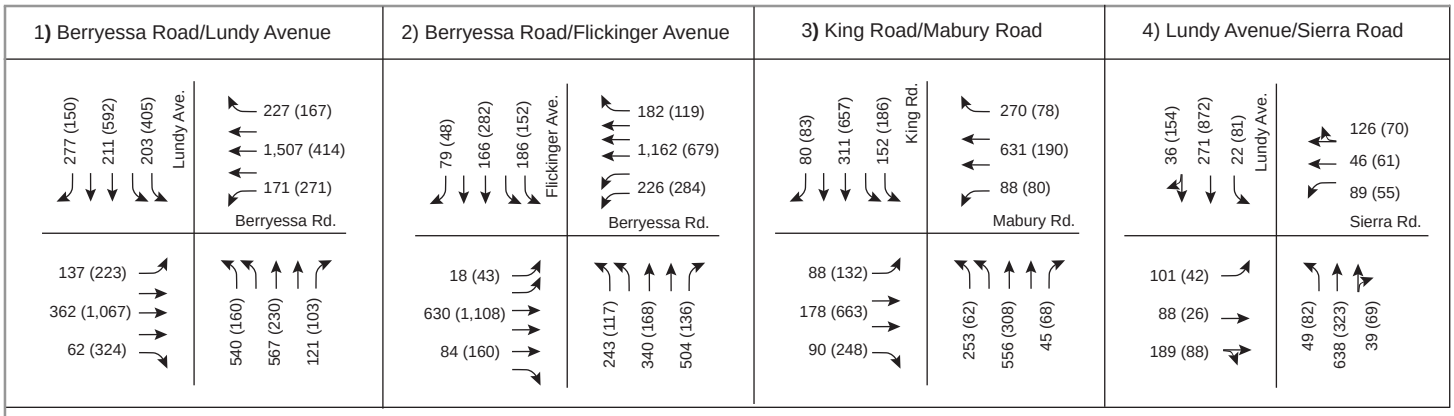
Notes:

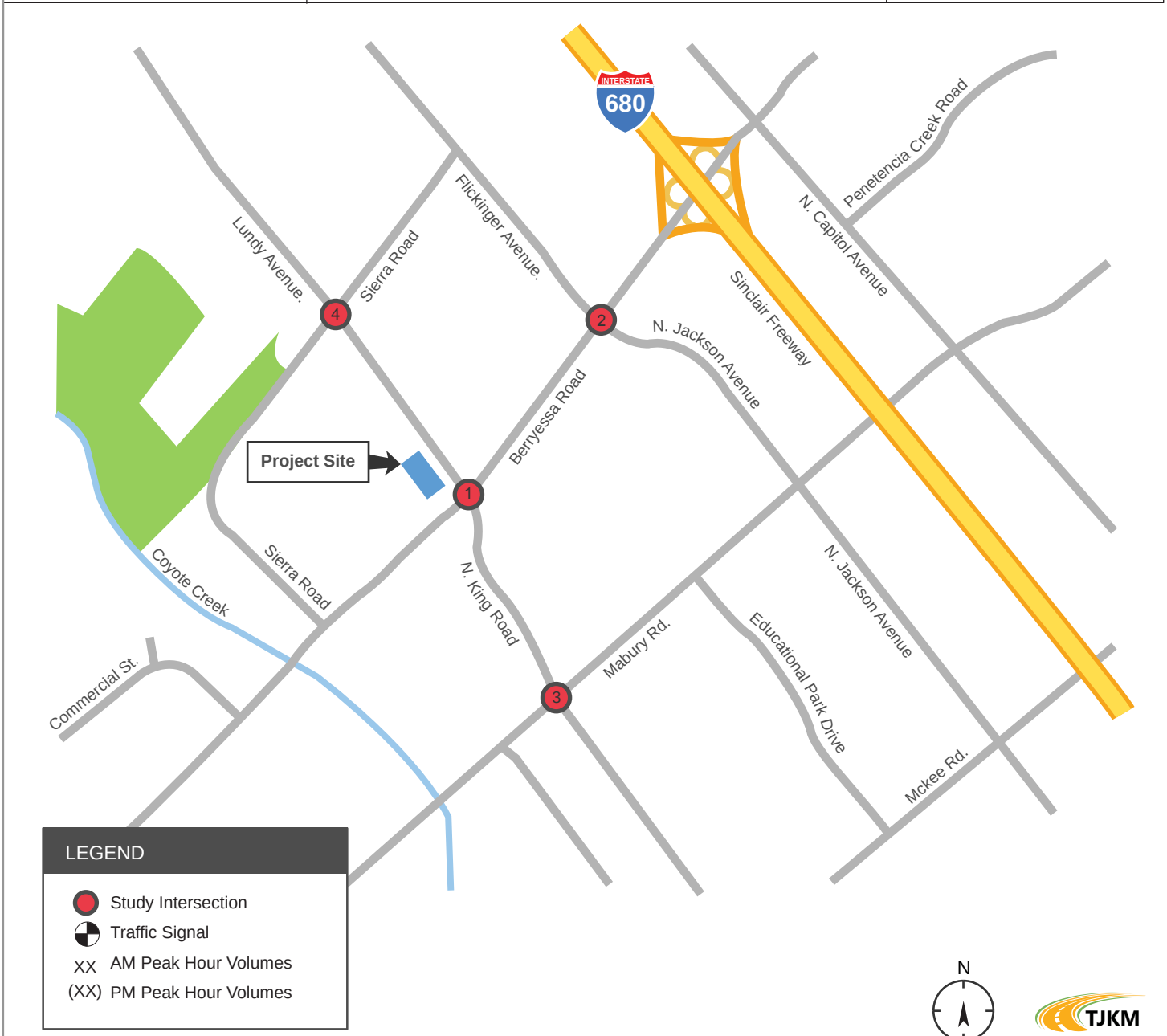
1. AM – morning peak hour, PM – evening peak hour
2. Delay – Whole intersection weighted average control delay expressed in seconds per vehicle for signalized intersections
3. LOS – Level of Service

* CMP intersections with LOS E threshold

The traffic volumes were collected prior to the closure of Lundy Avenue/Sierra Road

Existing Conditions Traffic Volumes, Lane Geometry and Traffic Controls





Note: The traffic volumes were collected prior to the closure of Lundy Avenue/Sierra Road

Figure 6

EXISTING PLUS PROJECT CONDITIONS

This analysis scenario presents the impacts of the proposed commercial development at the study intersections and surrounding roadway system. This scenario is similar to Existing Conditions, but with the addition of traffic from the proposed project.

PROPOSED PROJECT LOCATION AND DESCRIPTION

The proposed commercial development located at 1705 Berryessa Road on the northwest corner of Berryessa Road and Lundy Avenue in the City of San Jose. The project proposes to construction of an approximately 3,212 sf convenience store with an existing eight (8) fuel dispenser gas station, a 2,490 sf retail/deli building and a 1,086 sf carwash tunnel on a 0.4 gross acre site. Proposed access to the site will be by two (2) limited driveways (right-in/right-out): one (1) driveway on Berryessa Road and the other one (1) on Lundy Avenue.

The existing site consists of a 544 sf convenience store/kiosk and a 1,307 sf carwash tunnel. The proposed project will be developed on approximately 0.40 acres and is located at the northwest corner of the Berryessa Road/Lundy Avenue intersection in the City of San Jose. The project proposes to expand the existing convenience store from 544 sf to 3,212 sf, the existing carwash tunnel from 1,307 sf to 1,086 sf and with an existing eight (8) fuel dispenser gas station (16 fueling positions). The proposed expansion would also include addition of 2,490 sf of deli to existing convenience store, automated carwash and eight (8) fuel dispensers.

PROJECT TRIP GENERATION

TJKM developed estimated project trip generation for the proposed project based on published trip generation rates from the ITE publication Trip Generation (9th *Edition).* TJKM applied trip discounts to the proposed project trip generation that are consistent with the City of San Jose and VTA Traffic Analysis Guidelines in terms of development densities, existing trip credits and retail pass by in consultation with City of San Jose Staff.

TJKM used published trip rates for the ITE land use Convenience Market with gasoline pumps (ITE Code 853), Gasoline/Service Station (ITE Code 944) and Automated Carwash (ITE Code 948) for this project, as this land use most closely matches the trip characteristics of the existing and proposed commercial development. **Table 3** shows the trip generation expected to be generated by the proposed project. The proposed project is expected to generate approximately 65 weekday a.m. peak hour trips (38 inbound trips, 27 outbound trips) and 21 weekday p.m. peak hour trips (11 inbound trips, 10 outbound trips).

For purposes of forecasting net peak hour trips, TJKM applied existing trip credits and pass-by trip reduction as per ITE Trip Generation Manual, 9th *Edition and* ITE Trip Generation Manual, 9th *Edition Volume 1: User's Guide and Handbook.*

Pass-by trips are made as intermediate stops on the way from an origin to a primary trip destination without a route diversion. Pass-by trips are attracted from traffic passing the site on an adjacent street or roadway that offers direct access to the generator. Pass-by trips are not diverted from another roadway.

Table 3: Project Trip Generation

	Land Use (ITE Code)	Size	Unit	Daily		AM Peak Hour					PM Peak Hour				
				Rate	Trips	Rate	In:Out	In	Out	Total	Rate	In:Out	In	Out	Total
Existing	Gasoline/Service Station (944)	8	Pumps	168.56	1,348	12.16	51:49	49	48	97	13.87	50:50	56	56	112
	Pass-by Trip Discount[1]					-58%		-29	-28	-57	-42%		-24	-24	-48
	Automated Carwash (948)	1.31	KSF	N/A		N/A					14.12	50:50	9	9	18
	Sub-total				1,348			20	20	40			41	41	82
Proposed	Convenience Market with Gasoline Pumps (853)	8	Pumps	542.60	4,341	16.57	50:50	67	67	134	19.07	50:50	77	77	154
	Deli (933)[2]	2.49	KSF	716	1,783	43.87	60:40	66	44	110	26.15	51:49	34	32	66
	Pass-by Trip Discount for Convenience Market with Gasoline Pumps					-63%		-42	-42	-84	-66%		-50	-50	-100
	Pass-by Trip Discount for Deli					-50%		-33	-22	-55	-50%		-17	-16	-33
	Automated Carwash (948)	1.09	KSF	N/A		N/A					14.12	50:50	8	8	16
	Sub-total				6,124			58	47	105			52	51	103
	Net Trips				**4,775**			**38**	**27**	**65**			**11**	**10**	**21**

Notes:

Source – Institute of Transportation Engineers (ITE) Trip Generation Manual, 9th Edition, 2012)

1. Pass-by Trip Discount as recommended by ITE Trip Generation Handbook

2. As a Deli (Land Use 933) is being proposed in addition to the convenience market, pass-by reduction of 50 percent is applied as recommended by ITE Trip Generation Manual and SANDAG trip generation for the similar land uses.

PROJECT TRIP DISTRIBUTION AND ASSIGNMENT

Trip distribution is a process that determines in what proportion vehicles are expected to travel between the project site and various destinations outside the project study area and determines the various routes that vehicles would take from the project site to each destination using the calculated trip distribution.

Trip distribution assumptions for the proposed commercial project were developed based on the existing travel patterns, TJKM's knowledge of the study area, and consultation with the City of San Jose staff.

The distribution assumptions are as follows**:**

- 30 percent to/from Berryessa Road east of Flickinger Avenue
- 5 percent to/from Flickinger Avenue north of Berryessa Road
- 5 percent to/from North Jackson Avenue south of Berryessa Road
- 20 percent to/from Berryessa Road west of Sierra Road
- 15 percent to/from North King Road south of Mabury Road
- 5 percent to/from Mabury Road west of King Road
- 5 percent to/from Mabury Road east of King Road
- 10 percent to/from Lundy Avenue north of Sierra Road
- 2 percent to/from Sierra Road west of Lundy Avenue
- 3 percent to/from Sierra Road east of Lundy Avenue

Figure 7 illustrates the trip distribution percentages and net project trip assignment project volumes developed for the proposed project. For each analysis scenario, the assigned project trips were added to traffic volumes under "no project" conditions to generate "plus Project".

Project Trip Distribution and Assignment

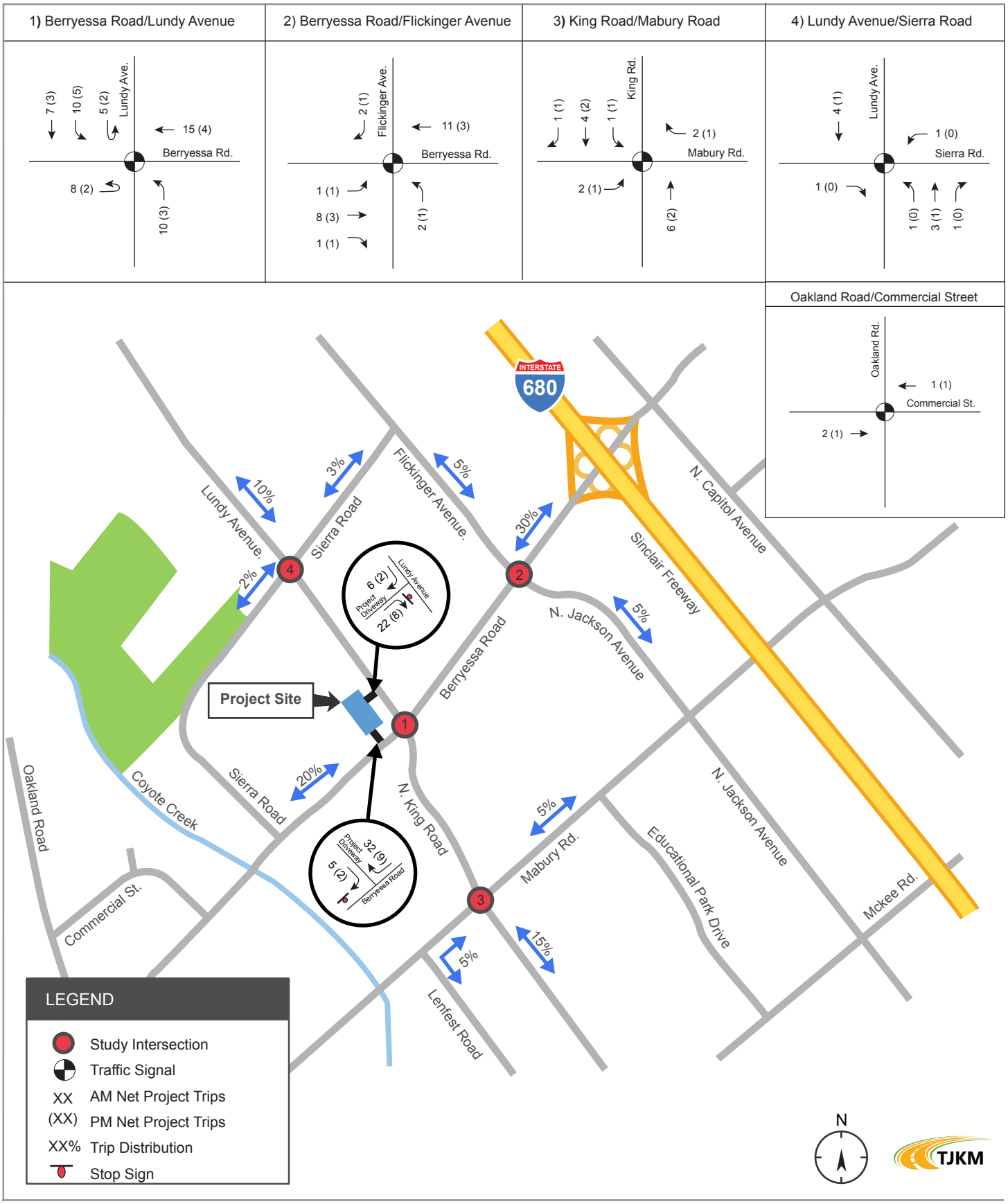


Figure 7

INTERSECTION LEVEL OF SERVICE ANALYSIS – EXISTING PLUS PROJECT CONDITIONS

The intersection LOS analysis results for Existing plus Project Conditions are summarized in **Table 4**. Detailed calculation sheets for Existing plus Project Conditions are contained in **Appendix C**. Under this scenario, all the intersection operate within applicable jurisdictional standards of City of San Jose (LOS D) and VTA CMP (LOS E) or better during the a.m. and p.m. peak hours.

Based on the City of San Jose and VTA CMP impact criteria the project is expected to have a **less-than-significant** impact at all the four study intersections.

Figure 8 shows projected turning movement volumes at all of the study intersections for Existing plus Project Conditions.

The results for Existing Conditions are included for comparison purposes, along with the projected increases in critical delay and critical V/C ratios.

Table 4: Intersection Level of Service Analysis – Existing plus Project Conditions

ID	*Study Intersections*	*Control*	*Peak Hour[1]*	*Traffic Counts Collected on*	*Existing Conditions*		*Existing plus Project Conditions*		*Change in*	
					Delay[2]	*LOS[3]*	*Delay[2]*	*LOS[3]*	*Critical V/C[4]*	*Critical Delay[5]*
1	Berryessa Road/ Lundy Avenue*	Signalized	AM	10/23/2014	43.60	D	44.00	D	0.006	0.20
			PM	9/16/2014	45.30	D	45.40	D	0.002	0.10
2	Berryessa Road/ Flickinger Avenue	Signalized	AM	11/18/2010	38.70	D+	38.60	D+	0.002	0.00
			PM	11/18/2010	35.60	D+	35.60	D+	0.001	0.00
3	King Road Mabury Road	Signalized	AM	4/30/2008	40.40	D	40.50	D	0.003	0.10
			PM	5/8/2008	39.40	D	39.40	D	0.001	0.00
4	Lundy Avenue/ Sierra Road	Signalized	AM	5/1/2012	29.90	C	29.90	C	0.002	0.00
			PM	5/1/2012	22.30	C+	22.30	C+	0.000	0.00

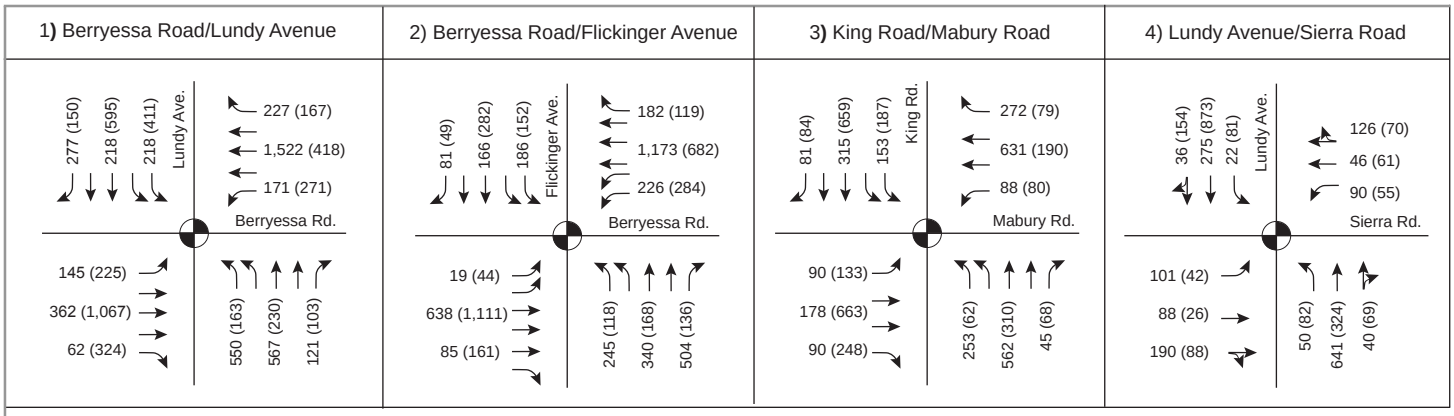
Notes:

1. AM – morning peak hour, PM – evening peak hour
2. Delay – Whole intersection weighted average control delay expressed in seconds per vehicle for signalized intersections
3. LOS – Level of Service
4. Change in critical volume to capacity ratio between Existing and Existing plus Project Conditions
5. Change in average critical movement delay between Existing and Existing plus Project Conditions

* CMP intersections with LOS E threshold

The traffic volumes were collected prior to the closure of Lundy Avenue/Sierra Road

Existing plus Project Conditions Traffic Volumes, Lane Geometry and Traffic Controls



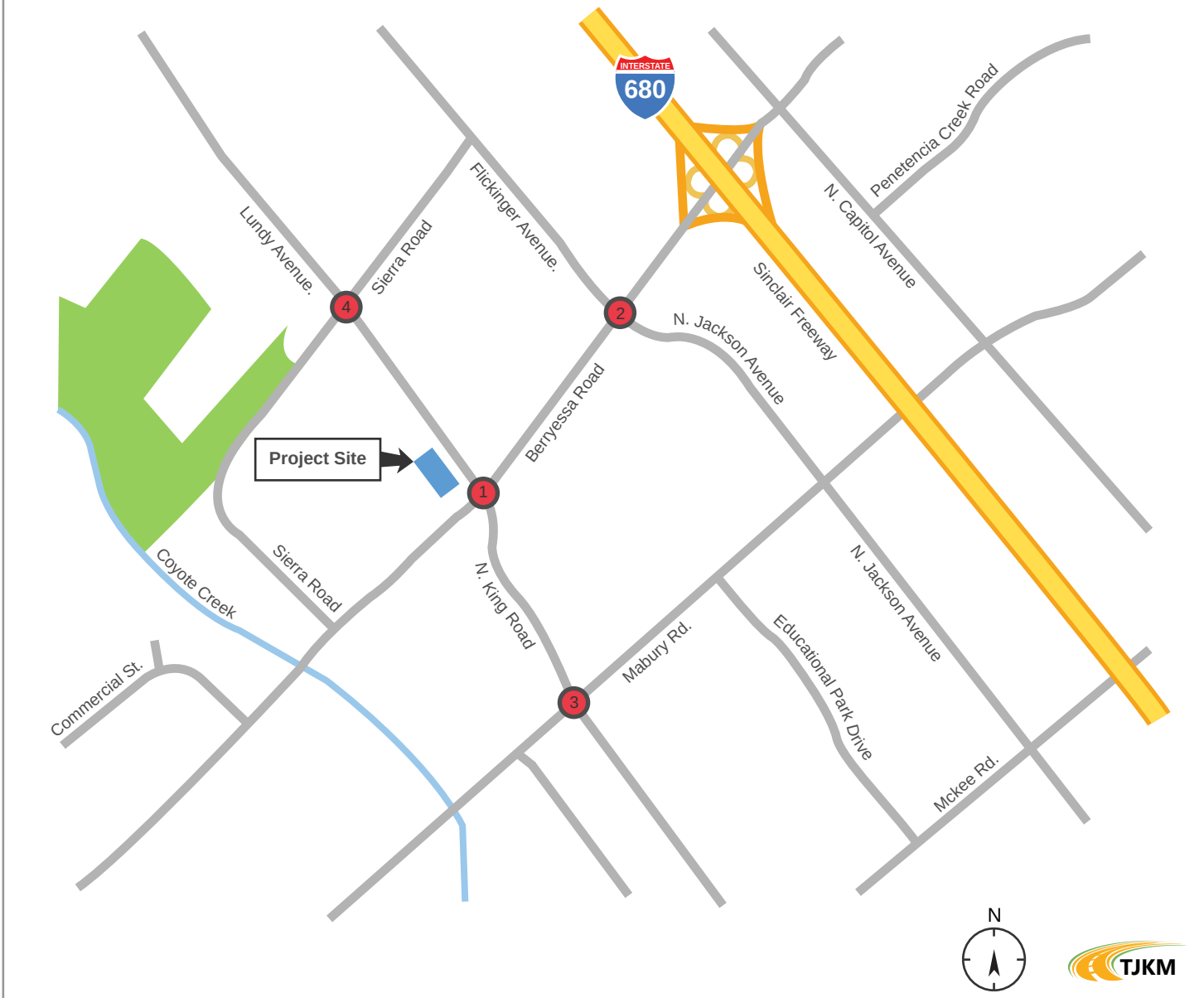


Figure 8

BACKGROUND (EXISTING PLUS APPROVED PROJECTS) CONDITIONS

This scenario is similar to Existing Conditions, but with the addition of traffic from approved and pending developments located within the immediate vicinity of the project. The City staff provided the list of Approved Trips Inventory (ATI), which represents the traffic volumes generated by projects that are approved but not been constructed. ATI volumes were added to the Existing Conditions volumes to project the peak hour turning movements at the study intersections under Background Conditions. The ATI sheets are included in **Appendix D**.

Figure 9 shows projected turning movement volumes at all of the study intersections for Background Conditions for both a.m. and p.m. peak hours.

INTERSECTIONS LEVEL OF SERVICE ANALYSIS – BACKGROUND CONDITIONS

The intersection LOS analysis results for Background Conditions are summarized in **Table 5**. Detailed calculation sheets for Background Conditions (Existing plus Approved Projects) are contained in **Appendix D**. Under this scenario, all the intersection operate within applicable jurisdictional standards of City of San Jose (LOS D) and the VTA's CMP (LOS E) or better during the a.m. and p.m. peak hours.

Table 5: Intersection Level of Service Analysis – Background (Existing plus Approved Projects) Conditions

ID	*Study Intersections*	*Control*	*Peak Hour[1]*	*Background Conditions*			
				Delay[2]	*LOS[3]*	*Critical V/C[4]*	*Critical Delay[5]*
1	Berryessa Road/Lundy Avenue*	Signalized	AM	48.00	D	0.806	51.40
			PM	50.10	D	0.790	58.00
2	Berryessa Road/ Flickinger Avenue	Signalized	AM	39.30	D	0.569	37.20
			PM	35.40	D+	0.468	37.60
3	King Road/Mabury Road	Signalized	AM	43.10	D	0.612	46.70
			PM	42.80	D	0.707	43.30
4	Lundy Avenue/Sierra Road	Signalized	AM	29.60	C	0.444	27.00
			PM	23.10	C	0.532	20.40

Notes:

1. AM – morning peak hour, PM – evening peak hour
2. Delay – Whole intersection weighted average control delay expressed in seconds per vehicle for signalized intersections
3. LOS – Level of Service

* CMP intersections with LOS E threshold

Background Conditions Traffic Volumes, Lane Geometry and Traffic Controls

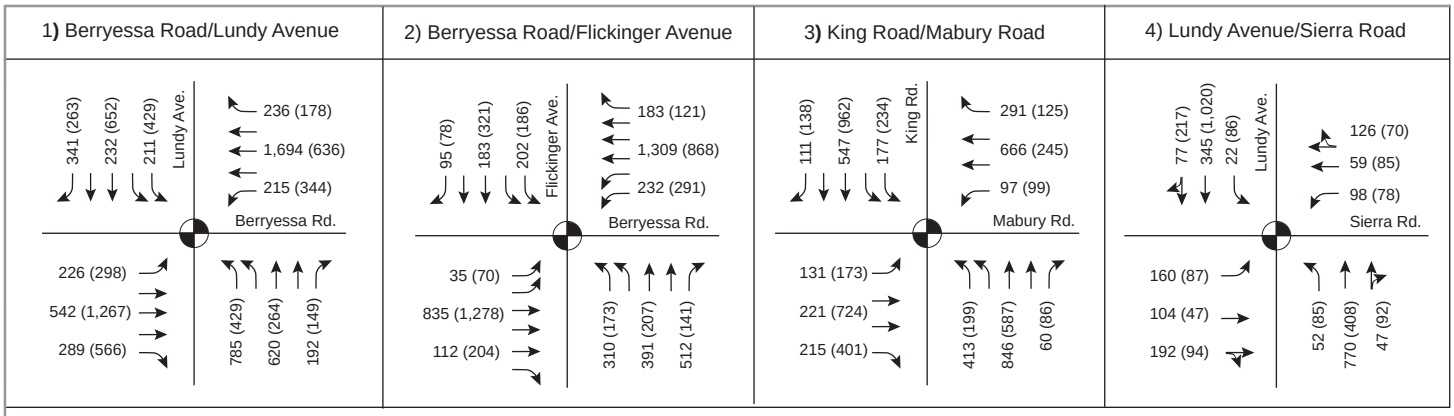


Figure 9

BACKGROUND PLUS PROJECT CONDITIONS

This scenario is identical to Background Conditions, but with the addition of projected traffic from the proposed redevelopment of the Shell gas station. Trip generation, distribution, and assignment for the proposed project are identical to that assumed under Existing plus Project Conditions.

INTERSECTION LEVEL OF SERVICE ANALYSIS – BACKGROUND PLUS PROJECT CONDITIONS

The intersection LOS analysis results for Background plus Project Conditions are summarized in **Table 6**. Detailed calculation sheets for Background plus Project Conditions are contained in **Appendix E**. Under this scenario, all the intersection operate within applicable jurisdictional standards of City of San Jose (LOS D) and the VTA's CMP (LOS E) or better during the a.m. and p.m. peak hours.

Based on the City of San Jose and VTA CMP impact criteria, the project is expected to have a **less-than-significant** impact at all the four study intersections.

Figure 10 shows projected turning movement volumes at all of the study intersections for Background plus Project Conditions.

The results for Background Conditions are included for comparison purposes, along with the projected increases in critical delay and critical V/C ratios.

Table 6: Intersection Level of Service Analysis – Background plus Project Conditions

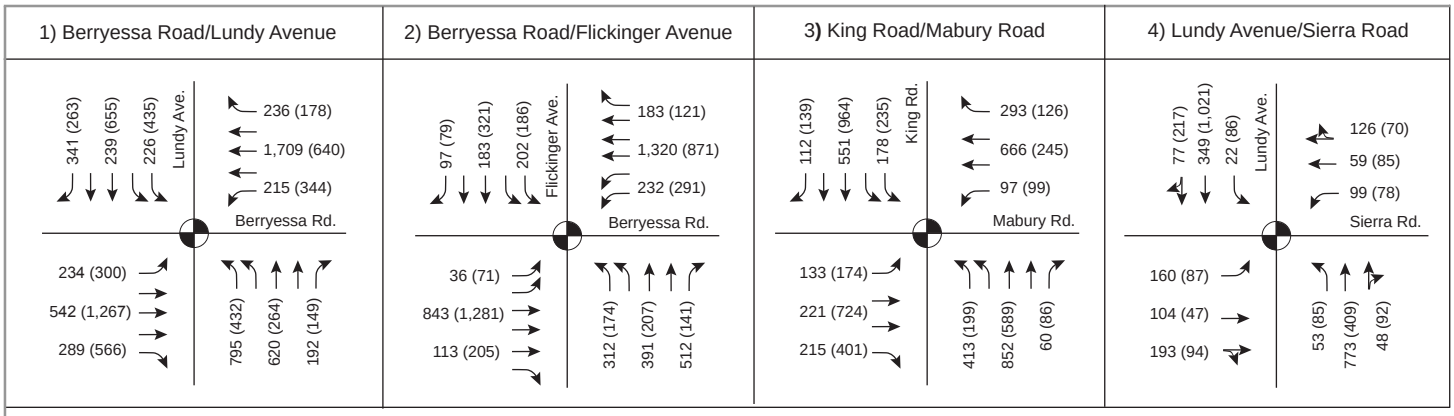
ID	*Study Intersections*	*Control*	*Peak Hour[1]*	*Background Conditions*		*Background plus Project Conditions*		*Change In*	
				Delay[2]	*LOS[3]*	*Delay[2]*	*LOS[3]*	*Critical V/C[4]*	*Critical Delay[5]*
1	Berryessa Road/ Lundy Avenue*	Signalized	AM	48.00	D	48.70	D	0.008	1.50
			PM	50.10	D	50.20	D	0.002	0.20
2	Berryessa Road/ Flickinger Avenue	Signalized	AM	39.30	D	39.30	D	0.003	0.00
			PM	35.40	D+	36.20	D+	0.029	2.50
3	King Road/ Mabury Road	Signalized	AM	43.10	D	43.20	D	0.003	0.10
			PM	42.80	D	42.80	D	0.001	0.00
4	Lundy Avenue/ Sierra Road	Signalized	AM	29.60	C	29.60	C	0.002	-0.10
			PM	23.10	C	23.10	C	0.000	0.00

Notes:

1. AM – morning peak hour, PM – evening peak hour
2. Delay – Whole intersection weighted average control delay expressed in seconds per vehicle for signalized intersections
3. LOS – Level of Service
4. Change in critical volume to capacity ratio between Background and Background plus Project Conditions
5. Change in average critical movement delay between Background and Background plus Project Condition

* CMP intersections with LOS E threshold

Background plus Project Conditions Traffic Volumes, Lane Geometry and Traffic Controls



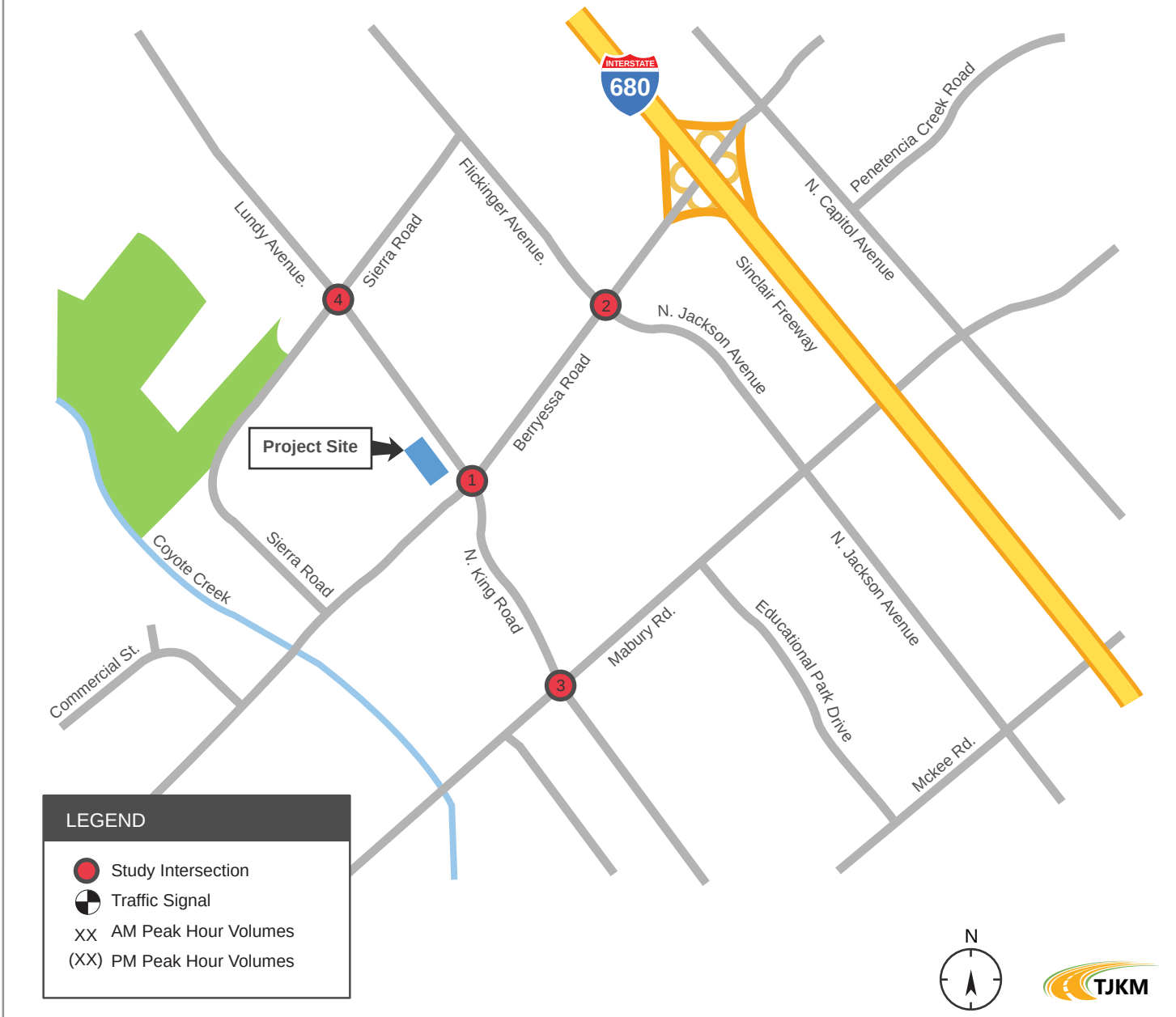


Figure 10

CUMULATIVE CONDITIONS

This section details expected traffic conditions at the study intersections under Cumulative (No Project) Conditions. This analysis scenario is defined as baseline conditions without the proposed project in year 2020. This scenario is similar to the Background Conditions, but with a projected growth rate of 1 percent per year applied over five (5) years to project traffic demands for the Horizon Year 2020. **Figure 11** shows projected turning movement volumes at all the study intersections for Cumulative Conditions.

The Cumulative No Project (or cumulative baseline) traffic volumes were based on the assumption of a 1 percent growth factor per year for five years applied to Background traffic volumes. This growth assumption was furnished by the City of San Jose staff.

INTERSECTION LEVEL OF SERVICE ANALYSIS - CUMULATIVE CONDITIONS

The intersection LOS analysis results for Cumulative Conditions are summarized in **Table 7**. Detailed calculation sheets for Cumulative Conditions are contained in **Appendix F**. Under this scenario, all the intersection operate within applicable jurisdictional standards of City of San Jose (LOS D) and VTA CMP (LOS E) or better during the a.m. and p.m. peak hours.

Figure 11 shows projected turning movement volumes at all of the study intersections for Cumulative Conditions.

Table 7: Intersection Level of Service Analysis – Cumulative Conditions

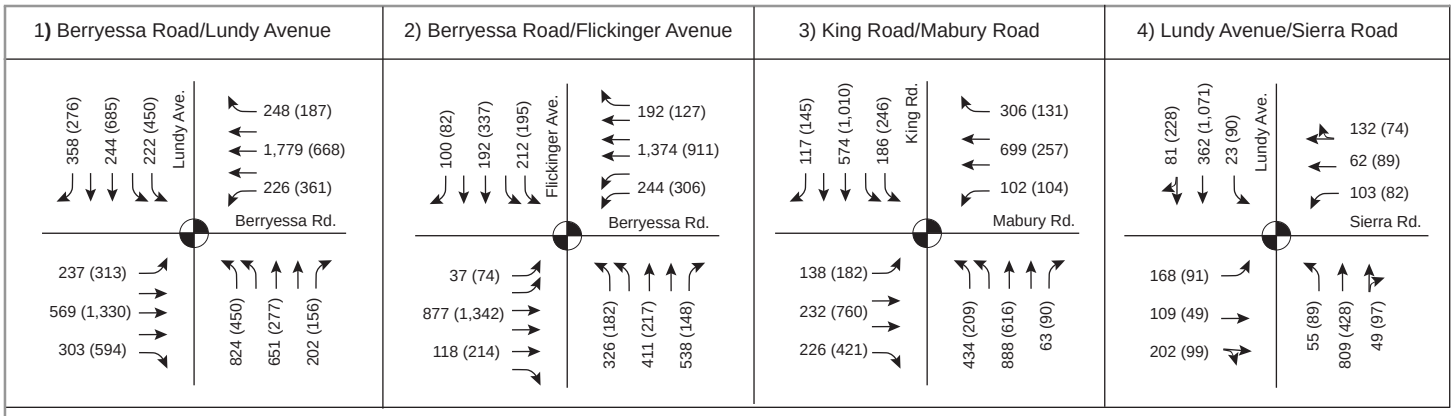
ID	*Study Intersections*	*Control*	*Peak Hour[1]*	*Cumulative Conditions*			
				Delay[2]	*LOS[3]*	*Critical V/C[4]*	*Critical Delay[5]*
1	Berryessa Road/ Lundy Avenue*	Signalized	AM	49.70	D	0.846	54.10
			PM	51.60	D-	0.829	60.40
2	Berryessa Road/ Flickinger Avenue	Signalized	AM	39.70	D	0.598	37.90
			PM	36.50	D+	0.520	40.50
3	King Road/ Mabury Road	Signalized	AM	43.80	D	0.643	47.60
			PM	43.70	D	0.743	44.90
4	Lundy Avenue/ Sierra Road	Signalized	AM	29.80	C	0.467	27.30
			PM	23.70	C	0.566	20.60

Notes:

1. AM – morning peak hour, PM – evening peak hour
2. Delay – Whole intersection weighted average control delay expressed in seconds per vehicle for signalized intersections
3. LOS – Level of Service

* CMP intersections with LOS E threshold

Cumulative Conditions Traffic Volumes, Lane Geometry and Traffic Controls



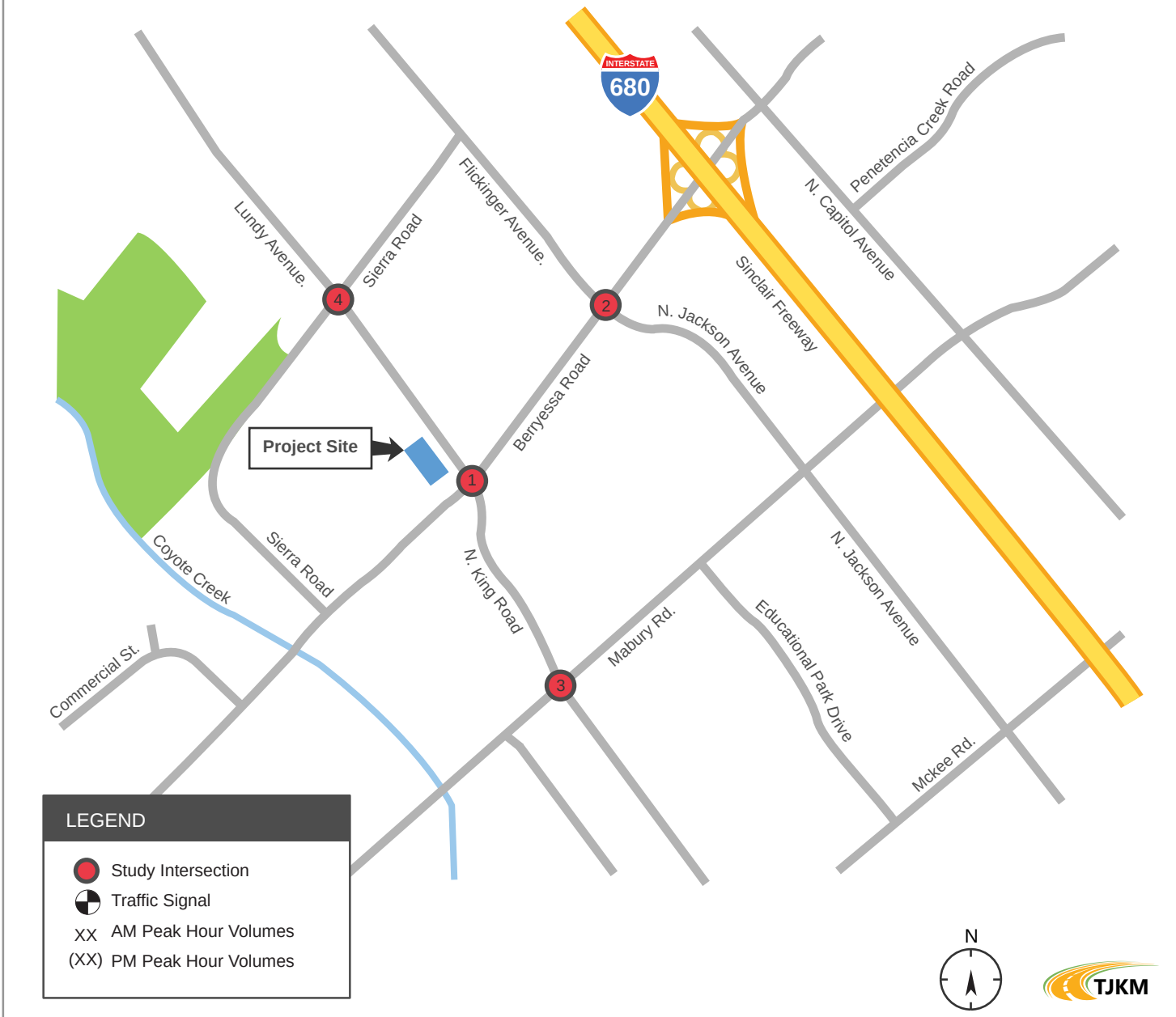


Figure 11

CUMULATIVE PLUS PROJECT CONDITIONS

This scenario is similar to the Cumulative Conditions, with the addition of projected traffic from the proposed redevelopment of the site. Trip generation, distribution, and assignment for the proposed project are identical to that assumed under Existing plus Project Conditions. **Figure 12** shows projected turning movement volumes at all the study intersections for Cumulative plus Project Conditions.

INTERSECTION LEVEL OF SERVICE ANALYSIS - CUMULATIVE PLUS PROJECT CONDITIONS

The intersection LOS analysis results for Cumulative plus Project Conditions are summarized in **Table 8**. Detailed calculation sheets for Cumulative plus Project Conditions are contained in **Appendix G**. Under this scenario, all the intersection operate within applicable jurisdictional standards of City of San Jose (LOS D) and the VTA's CMP (LOS E) or better during the a.m. and p.m. peak hours.

Based on the City of San Jose and VTA CMP impact criteria, the project is expected to have a **less-than-significant** impact at all the four study intersections.

The results for Cumulative Conditions are included for comparison purposes, along with the projected increases in critical delay and critical V/C ratios.

Table 8: Intersection Level of Service Analysis – Cumulative plus Project Conditions

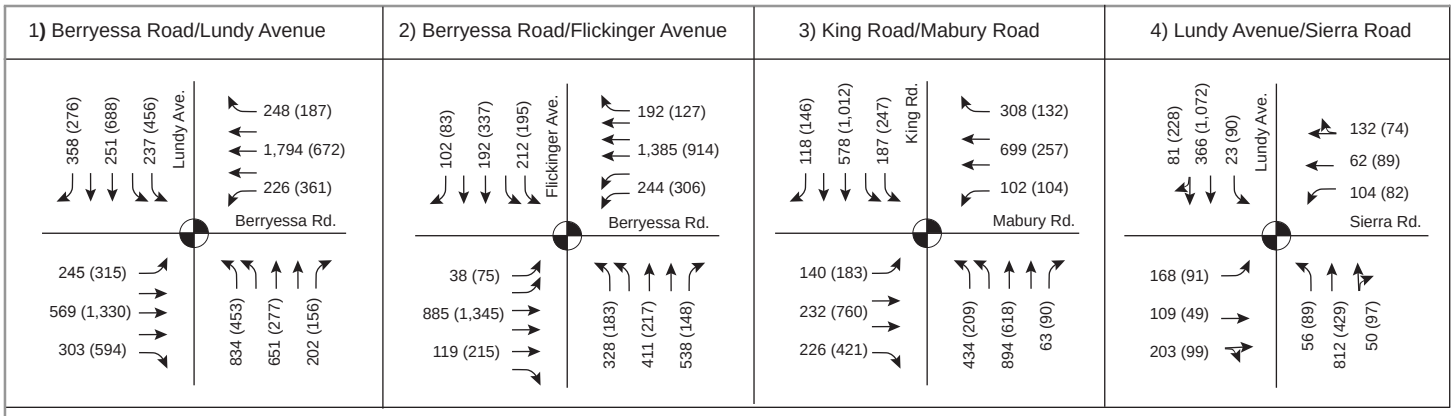
ID	*Study Intersections*	*Control*	*Peak Hour[1]*	*Cumulative Conditions*		*Cumulative plus Project Conditions*		*Change In*	
				Delay[2]	*LOS[3]*	*Delay[2]*	*LOS[3]*	*Critical V/C[4]*	*Critical Delay[5]*
1	Berryessa Road/ Lundy Avenue*	Signalized	AM	49.70	D	50.60	D	0.008	1.60
			PM	51.60	D-	51.70	D-	0.002	0.20
2	Berryessa Road/ Flickinger Avenue	Signalized	AM	39.70	D	39.70	D	0.002	0.00
			PM	36.50	D+	36.50	D+	0.001	0.00
3	King Road/ Mabury Road	Signalized	AM	43.80	D	43.90	D	0.002	0.10
			PM	43.70	D	43.80	D	0.001	0.00
4	Lundy Avenue/ Sierra Road	Signalized	AM	29.80	C	29.70	C	0.001	-0.10
			PM	23.70	C	23.70	C	0.000	0.00

Notes:

1. AM – morning peak hour, PM – evening peak hour
2. Delay – Whole intersection weighted average control delay expressed in seconds per vehicle for signalized intersections
3. LOS – Level of Service
4. Change in critical volume to capacity ratio between Cumulative and Cumulative plus Project Conditions
5. Change in average critical movement delay between Cumulative and Cumulative plus Project Condition

* CMP intersections with LOS E threshold

Cumulative plus Project Conditions Traffic Volumes, Lane Geometry and Traffic Controls



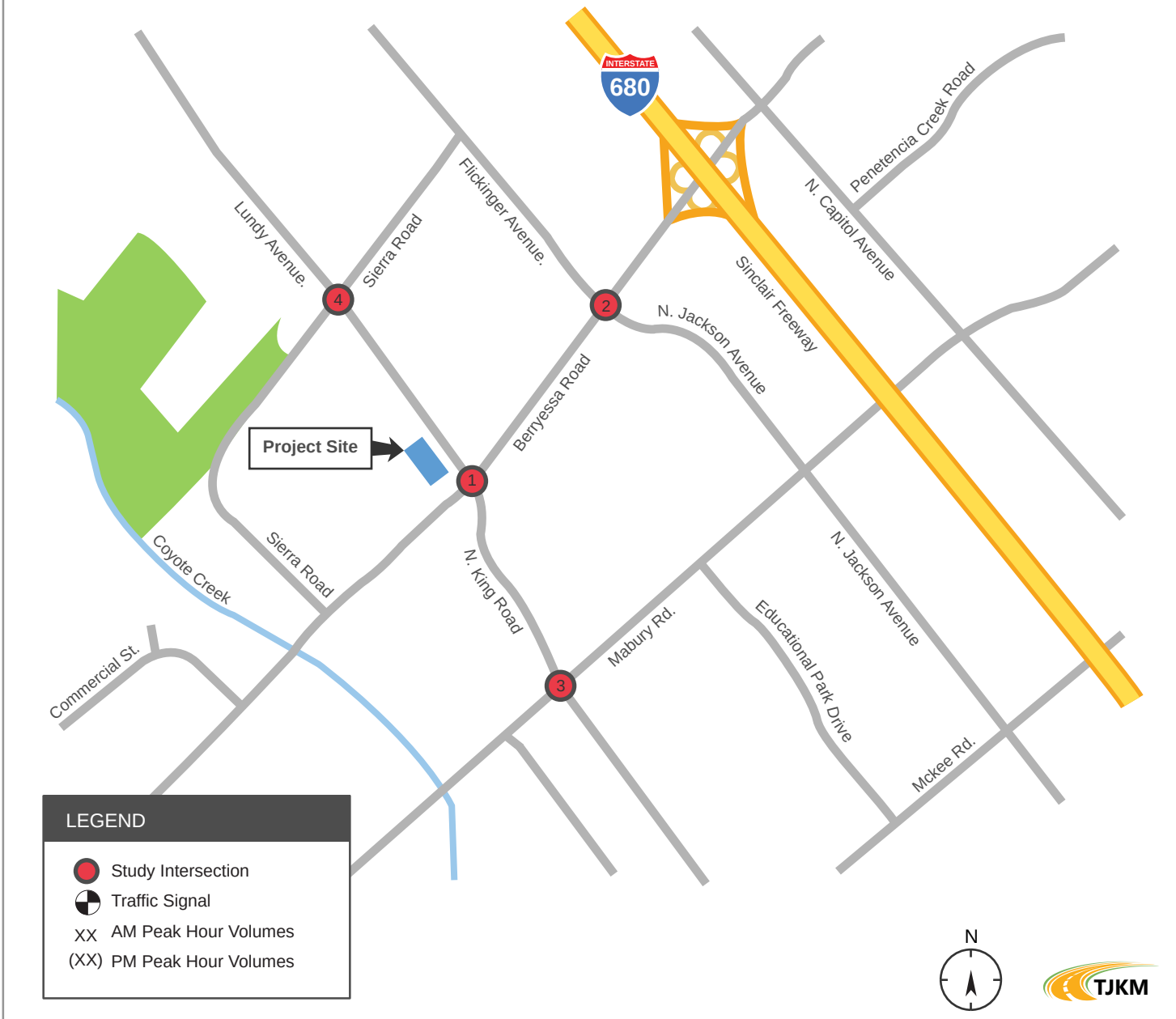


Figure 12

QUEUING AND DRIVEWAY ANALYSIS

QUEUING ANALYSIS AT SELECTED STUDY INTERSECTIONS

TJKM conducted a vehicle queuing and storage analysis for all exclusive left turn pockets at selected study intersections where project traffic is added under Existing plus Project Conditions. The 95th percentile (maximum) queues were analyzed using the HCM 2000 Queue methodology contained in TRAFFIX software. Detailed calculations are included in the LOS appendices corresponding to each analysis scenario. **Table 9** summarizes the 95th percentile queue lengths at selected study intersections under all Existing and Existing plus Project Conditions scenarios. It should be noted that queue lengths at some locations exceed capacity creating a deficient condition; however, the project would add less than two vehicles to the average design queue length. The proposed project *does not create a significant impact* on the expected left-turn or right-turn queues at the study intersections.

Table 9: 95th Percentile Queues at Turn Pockets Affected by Project Traffic

Int. No.	*Intersection Name*	*Lane Group*	*Storage Length per Lane*	*Existing*		*Existing plus Project*	
				AM	*PM*	*AM*	*PM*
1	Berryessa Road/ Lundy Avenue	NBL	300	620	260	620	260
		SBL	200	300	480	300	480
		WBL	200	360	380	360	380
		EBL	260	300	550	300	560

Notes: Storage length and 95th percentile queue is expressed in feet per lane

Queuing and Level of Service Analysis at Project Driveway

TJKM conducted a vehicle queuing and LOS analysis at the proposed project driveways on Lundy Avenue and Berryessa Road. The 95th percentile (maximum) queues were analyzed using the HCM 2000 Queue methodology contained in TRAFFIX software for the project driveway**. Table 10** summarizes the 95th percentile queue lengths and LOS at the project driveways under Existing plus Project scenario. It should be noted that for the driveway analysis total project trips were assigned on the proposed driveways. As shown in **Table 10**, under Existing plus Project Conditions project driveways are expected to operate at an acceptable LOS. In addition, the 95th percentile queueing at the outbound approach of project driveway is expected to be minimal.

Table 10: 95th Percentile Queues and Level of Service at Project Driveways

Intersection	*Control*	*Existing plus Project Conditions*					
		AM			*PM*		
		Delay	*LOS*	*95th Percentile Queue (feet)*	*Delay*	*LOS*	*95th Percentile Queue (feet)*
Lundy Avenue/ Project Driveway	One-Way Stop	11.5	B	20	14.8	B	20
Berryessa Road/ Project Driveway	One-Way Stop	17.2	C	20	10.2	B	20

Notes:

1. Delay = Average control delay in seconds per vehicle
2. LOS = Level of Service
3. Reported values of 95th percentile queues are for the outbound movements at the project driveways

SITE ACCESS AND ON-SITE CIRCULATION AND OTHER IMPACTS

SITE ACCESS

This section analyzes site access and internal circulation for vehicles, pedestrians and bicycles based on the site plan presented on **Figure 2**. TJKM reviewed internal and external access for the project site for vehicles, pedestrians, and bicycles.

TJKM reviewed the proposed project site plan to evaluate on-site access to the project. The proposed project's access will be via two (2) driveways: one (1) on Lundy Avenue and other one (1) on Berryessa Road as shown in the project site plan dated May 11, 2015 (**Figure 2**).

The proposed access on Lundy Avenue is approximately 200 feet to the north of the intersection of Berryessa Road/Lundy Avenue and will have a right-in/right-out access. The proposed access on Berryessa Road is approximately 100 feet to the west of the intersection of Berryessa Road/Lundy Avenue and will have a right-in/right-out access. Based on the evaluation, the access driveways are expected to be adequate for passenger vehicles accessing the site and the project driveways are expected to operate at an acceptable LOS. In addition, the 95th percentile queueing at the outbound approach of project driveway is expected to be minimal. **Figure 7** shows the project trips at the driveways.

TJKM also examined the project site plan (**Figure 2**) in order to evaluate the adequacy of on-site vehicles, refueling trucks, delivery trucks and emergency vehicles circulation. The internal circulation was reviewed for issues related to queueing, turning radii, and safety and circulation aisles. All circulation aisles accommodate two-way travel and the turning radii seems to be adequate for the refueling trucks and delivery trucks. Emergency vehicles can access the project via both the existing driveways. The proposed garbage pickup area is located on the northwest corner of the building complex and is conveniently accessible for garbage trucks. Small delivery vehicles for the convenience store and deli will be able to use the parking stalls in front of the stores; larger vehicles will be able to use the circulation area or unused fueling positions. Overall, the proposed on-site vehicle circulation is adequate and should not result in any traffic operations issues on-site that would result in significant impacts on City streets. Installation of Stop control exiting the project driveways with appropriate pavement delineation and signing as well as installation of "One Way" signs in the concrete median on the major roadways to enhance traffic safety and operations at the driveways is recommended.

To enhance pedestrian and bicycle operations at the intersection of Berryessa Road/Lundy Avenue (#1) and to be consistent with City of San Jose adopted goals, it is recommended that the project should reconfigure the northwest quadrant of the intersection by signal modification that would remove northwest pedestrian island at the intersection of Berryessa Road/Lundy Avenue. This improvement will provide a better line of sight for pedestrians, bicyclists, and drivers at the intersection. Reconfiguration of the northwest quadrant to remove the northwest pedestrian island will necessitate the realignment of the pedestrian crosswalk across Berryessa Road and signal modification at the intersection. The reconstruction of the northwest quadrant should be consistent with the North San Jose Plan, which has a planned addition of a second westbound and eastbound left-turn on Berryessa Road.

Pedestrian Access

Pedestrian access to the project site will be facilitated by existing sidewalks on Lundy Avenue and Berryessa Road, as well as proposed internal pedestrian circulation facilities including a proposed sidewalk from Berryessa Road within the Project site that will connect with the main entrance of the deli and convenience market.

In the project vicinity, all signalized study intersections are equipped with countdown pedestrian signal heads. All the study intersections have crosswalks. There is adequate street lighting in the vicinity. There are continuous sidewalks present on Berryessa Road, Lundy Avenue, North King Road, Flickinger Avenue, North Jackson Avenue, and Mabury Road along both sides within the project vicinity. An impact to pedestrians occurs if the proposed project disrupt existing pedestrian's facilities; or create inconsistencies with planned pedestrian facilities or adopted pedestrian system plans, guidelines, policies or standards conflict as per City of San Jose. The project's site plan proposes 15 foot sidewalks along Berryessa Road (4 feet 8 inches proposed dedication to Right of Way plus existing sidewalk) and 15 foot wide sidewalks along Lundy Avenue (4 feet 11 inches proposed dedication to Right of Way plus existing sidewalk), which are wider than the standard 6 foot sidewalks.

The proposed project provides adequate and appropriate facilities for safe non-motorized mobility. The proposed project will have adequate pedestrian access to the project site from the surrounding area. The proposed project will not result in significant impacts to existing or planned pedestrian facilities in the immediate vicinity of the project.

The proposed project does not conflict with existing and planned pedestrian facilities; therefore, the impact to pedestrian facilities is **less-than-significant.**

Bicycle Access

Bicycle access to the project site is provided via existing Class II Bike lanes along the Berryessa Road, Lundy Avenue, Flickinger Avenue, North Jackson Avenue, and Mabury Road along both sides near the project site. There is adequate signage for the bicyclists to maneuver without confusion. The City of San Jose bike plan 2020, dated November 17, 2009, provides a list of existing and proposed bicycle facilities in the City. According to the City's bike plan, Sierra Road between Flickinger Avenue and Bellemeade Street is proposed to have Class II Bike lanes. Overall, existing bicycle facilities provide adequate connectivity between the proposed project site and the adjacent residential neighborhoods. An impact to bicyclists occurs if the proposed project disrupt existing bicycle facilities; or conflict or create inconsistencies with adopted bicycle system plans, guidelines, policies or standards as per the City of San Jose. The project does not conflict with existing and planned bicycle facilities; therefore, the impact to bicycle facilities is **less-than-significant**.

Transit

The proposed project will generate very few trips via transit services, which can be accommodated by the existing transit capacity and hence the project is anticipated to have a **less-than-significant impact** on transit facilities.

PROJECT'S CONFORMANCE TO URBAN VILLAGE PLAN

Urban Village concepts create a policy framework to direct most of San Jose's new job and housing growth to occur within walkable and bike-friendly settings that have good access to transit and other existing transportation infrastructure and facilities. The proposed project is located within an Urban Village due to its proximity to future Berryessa BART station as well as the opportunities for new growth to occur.

TJKM examined the project site plan dated May 11, 2015 (**Figure 2**) in order to evaluate the project's conformance to the City of San Jose Urban Village Plan. The project's site plan proposes 15 foot sidewalks along Berryessa Road (4 feet 8 inches Proposed dedication to Right of Way plus existing sidewalk) and 15 foot wide sidewalks along Lundy Avenue (4 feet 11 inches proposed dedication to Right of Way plus existing sidewalk), which will be much wider than the minimum 6 foot sidewalks. Further, the project proposes to construct the convenience store and retail deli at the northwest corner of the intersection of Berryessa Road and Lundy Avenue. These improvements would support and create a safer environment for the pedestrians and bicycle users thereby conforming to the Urban Village Plan.

PROJECT'S CONFORMANCE TO DRIVE-THROUGH USES POLICY (POLICY 6-10)

TJKM evaluated the proposed project site plan to ensure compliance with City of San Jose's Drive-Through Policy Numbers 6-10. The City of San Jose Policy Numbers 6-10 lists the following criteria under TRAFFIC for development of establishments with drive-thru facilities:

- *Primary ingress and egress to drive-through type use parking lots should be from at least a four-lane major street* - The proposed project site plan proposes to provide access to the proposed project, via Lundy Avenue and Berryessa Road. In the vicinity of the project site, Lundy Avenue has two lanes in each direction with median; and Berryessa Road has three lanes in each direction with median. The proposed project is consistent with this criterion.

- *The drive-through stacking lane shall be located in a way so that any overflow from the stacking lane will not spill out onto public streets or major aisles of any parking lot. Overflow capacity shall be 50 percent of required stacking for overflow restricted to the parking lot and 100 percent of required stacking if the overflow is directed to the street* - Based on the evaluation of the drive-through it is projected that the proposed stacking lance would accommodate 100 percent of the required stacking described in Criterion E, below.

- *No ingress and egress points shall conflict with turning movements of street intersections* - Based on the evaluation of the proposed ingress and egress points, it is projected that the ingress and egress to the proposed project will not conflict with the turning movements at the nearby intersection of Lundy Avenue and Berryessa Road and, would not interfere with the operation of the intersection. The proposed project is consistent with this criterion based on the evaluation of the proposed ingress and egress points.

- *No drive-through use shall be approved with ingress or egress driveways within 300 feet of a signalized intersection operating at a LOS D, E, or F unless a traffic analysis demonstrates, to the satisfaction of the Director of Public Works, that vehicles entering or leaving said use will not impair the efficiency or operation of the intersection* - The proposed ingress and egress points to the proposed project are within 300 feet of the intersection of Lundy Avenue and Berryessa Road. Based on the trip generation and traffic analysis conducted for the project, it is projected that the proposed project trips will not have any significant impacts on the operation of the intersection of Lundy Avenue and Berryessa Road. As a result, the project is consistent with this criterion.

- *The drive-through stacking lane shall be separated physically from the user's parking lot and shall have a capacity of:*
  - *Self-Service Carwashes—five (5) cars per lane* (*Allow 20 feet per car)*
  - *No pedestrian crossing of the drive-through lane shall be allowed.*

  The proposed project proposes to provide stacking capacity for five vehicles without intruding into the on-site parking lot; in addition additional stacking, if necessary, would be available within the lot and no pedestrian crossing of the drive-through lane is proposed. Based on the proposed project site plan, the project is consistent with this criterion.

- *Proposed drive-through uses at or near signalized intersections may compound existing traffic congestion and make it intolerable even if the intersection meets the Transportation LOS Policy. In these situations, proposed drive-through uses should be discouraged* - Based on the trip generation and traffic analysis conducted for the project, it is projected that the proposed project trips will not result in significant impacts on the operation of the intersection of Lundy Avenue and Berryessa Road. As a result, the project is consistent with this criterion.

Based on the evaluation of the proposed site plan it is concluded that the proposed project is consistent with the City of San Jose Jose's Drive-Through uses Policy (Policy 6-10).

SIGHT DISTANCE ANALYSIS

Sight distance is evaluated to determine if a driver will have adequate visibility to enter a roadway safely without resulting in a conflict with traffic already on the roadway. The distance between the intersection of Berryessa Road/Lundy Avenue (#1) and the proposed egress-only driveway on Berryessa Road is approximately 100 feet and on Lundy Avenue is approximately 200 feet. According to Highway Design Manual, Chapter 200, 2014, the required minimum stopping sight distance for design speed of 40 mph should be 300 feet. The line of sight for vehicles exiting the driveways and vehicles travelling southbound on Lundy Avenue and westbound on Berryessa Road are clear and visible. Vehicles exiting the driveways will be visible to the vehicles travelling southbound on Lundy Avenue and westbound on Berryessa Road.

PARKING

Based on the project site plan dated May 11, 2015 (**Figure 2**), 33 parking spaces will be provided of which 24 spaces are uni-size parking stalls (8.5 feet by 17 feet). Two spaces are provided for Van-accessible parking stalls (17 feet by 18 feet), and seven spaces are 50 percent fuel canopy positions. The City of San Jose Municipal Code (Section 20.90.060/Table 20-190) requires that retail land uses to provide one space per each 200 sf, gas or charge station to provide one per employee, plus one per air and water pump service area, plus one space for information stop and for car wash one per employee, plus stacking of five cars per lane for self-service car wash. Based on the City's requirements, 27 parking spaces are required. The project proposes 33 parking spaces and stacking of five cars per lane for self-service car wash, so the number of proposed parking spaces seem to be adequate. Based on the proposed parking spaces to be provided on site, no parking impacts are projected on City streets.

CONCLUSIONS AND RECOMMENDATIONS

Project Trip Generation

The proposed commercial development project is forecasted to generate a net of 4,775 daily trips, including pass-by trips. The project is forecasted to generate 65 net vehicle trips during the a.m. peak hour and 21 net vehicle trips during the p.m. peak hour. The peak hour trip generation forecast includes discounts to account for existing site use and retail peak hour pass-by trip reduction as per ITE Trip Generation 9th Edition (2012).

Existing Conditions

All the intersection operate within applicable jurisdictional standards of City of San Jose (LOS D) and the VTA's CMP (LOS E) or better during the a.m. and p.m. peak hours.

Existing plus Project Conditions

Under this scenario, all the intersection operate within applicable jurisdictional standards of City of San Jose (LOS D) and the VTA's CMP (LOS E) or better during the a.m. and p.m. peak hours.

Based on the City of San Jose and VTA CMP impact criteria, the project is expected to have a **less-than-significant** impact at all the four study intersections.

Background (Existing plus Approved Projects) Conditions

Under this scenario, all the intersection operate within applicable jurisdictional standards of City of San Jose (LOS D) and the VTA's CMP (LOS E) or better during the a.m. and p.m. peak hours.

Background plus Project Conditions

Under this scenario, all the intersection operate within applicable jurisdictional standards of City of San Jose (LOS D) and the VTA's CMP (LOS E) or better during the a.m. and p.m. peak hours.

Based on the City of San Jose and VTA CMP impact criteria, the project is expected to have a **less-than-significant** impact at all the four study intersections.

Cumulative Conditions

Under this scenario, all the intersection operate within applicable jurisdictional standards of City of San Jose (LOS D) and the VTA's CMP (LOS E) or better during the a.m. and p.m. peak hours.

Cumulative plus Project Conditions

Under this scenario, all the intersection operate within applicable jurisdictional standards of City of San Jose (LOS D) and the VTA's CMP (LOS E) or better during the a.m. and p.m. peak hours.

Based on the City of San Jose and VTA CMP impact criteria, the project is expected to have a **less-than-significant** impact at all the four study intersections.

Queuing and Driveway Analysis

The proposed project *does not create a significant impact* on the expected left-turn or right-turn queues at the study intersections. The project driveways are expected to operate at an acceptable level of service and the 95th percentile queueing at the outbound approach of project driveway is expected to be minimal.

Pedestrian, Bicycle and Transit Impacts

The proposed project does not conflict with existing and planned pedestrian or bicycle facilities, and will add very few trips to existing transit facilities, which can be accommodated by the existing transit capacity. Therefore, the impact to pedestrian, bicycle, and Transit facilities is ***less-than-significant***.

On-Site Circulation

TJKM examined the project site plan in order to evaluate the adequacy of on-site vehicle circulation including refueling trucks, delivery trucks and emergency vehicles. The proposed project's access will be via two driveways (right-in/right-out access): one on Lundy Avenue and other one on Berryessa Road. Based on the evaluation, the proposed on-site vehicle circulation is adequate and should not result in traffic operations issues on-site that would result in significant impacts on City streets.

Project's Conformance to Urban Village Plan

The proposed project is located within an Urban Village due to its proximity to future Berryessa BART station as well as the opportunities for new growth to occur. TJKM examined the project site plan in order to evaluate the project's conformance to the Urban Village Plan. The project's site plan proposes 15 foot sidewalk along Berryessa Road (4 feet 8 inches proposed dedication to Right of Way plus existing sidewalk) and 15 foot wide sidewalk approximately (along Lundy Avenue (4 feet 11 inches proposed dedication to Right of Way plus existing sidewalk), which are wider than the standard 6 foot sidewalks. Further, the project proposes to construct the convenience store and retail deli at the northwest corner of the intersection of Berryessa Road and Lundy Avenue. These improvements would support and create a safer environment for the pedestrians and bicycle users thereby conforming to the Urban Village Plan.

Drive-Thru Uses Policy

TJKM examined the project site plan in order to evaluate the drive-through uses based on City of San Jose's drive-thru Policy Number 6-10. The analysis shows each of the criteria required for a drive-through uses were met.

Parking

Based on the project site plan, 33 parking spaces will be provided for the proposed project. Based on the City's requirements 25 parking spaces are required, the number of proposed parking spaces seem to be adequate. Based on the proposed parking spaces to be provided on site, no parking impacts are projected on City streets.

Recommendations

TJKM recommends the following:

- Installation of Stop control exiting the project driveways with appropriate pavement delineation and signing.
- Installation of "One Way" signs in the center concrete median on the major roadways to enhance traffic safety and operations where vehicles exit the project driveways.
- To enhance pedestrian and bicycle operations at the intersection of Berryessa Road/Lundy Avenue (#1) and to be consistent with City of San Jose adopted goals, it is recommended that the project should reconfigure the northwest quadrant of the intersection by signal modification that would remove northwest pedestrian island at the intersection of Berryessa Road/Lundy Avenue. This improvement will provide a better line of sight for pedestrians, bicyclists, and drivers at the intersection. Reconfiguration of the northwest quadrant to remove the northwest pedestrian island will necessitate the realignment of the pedestrian crosswalk across Berryessa Road and signal modification at the intersection.

Appendix A – Level of Service Methodology

LEVEL OF SERVICE METHODOLOGY

LEVEL OF SERVICE

The description and procedures for calculating capacity and level of service are found in Transportation Research Board, *Highway Capacity Manual 2000*. *Highway Capacity Manual 2000* represents the latest research on capacity and quality of service for transportation facilities.

Quality of service requires quantitative measures to characterize operational conditions within a traffic stream. Level of service is a quality measure describing operational conditions within a traffic stream, generally in terms of such service measures as speed and travel time, freedom to maneuver, traffic interruptions, and comfort and convenience.

Six levels of service are defined for each type of facility that has analysis procedures available. Letters designate each level, from A to F, with level-of-service A representing the best operating conditions and level-of-service F the worst. Each level of service represents a range of operating conditions and the driver's perception of these conditions. Safety is not included in the measures that establish service levels.

A general description of service levels for various types of facilities is shown in Table A-I.

Table A-I

Level of Service Description

Facility Type	**Uninterrupted Flow**	**Interrupted Flow**
	Freeways Multi-lane Highways Two-lane Highways Urban Streets	Signalized Intersections Unsignalized Intersections Two-way Stop Control All-way Stop Control
LOS		
A	Free-flow	Very low delay.
B	Stable flow. Presence of other users noticeable.	Low delay.
C	Stable flow. Comfort and convenience starts to decline.	Acceptable delay.
D	High density stable flow.	Tolerable delay.
E	Unstable flow.	Limit of acceptable delay.
F	Forced or breakdown flow.	Unacceptable delay

Source: *Highway Capacity Manual 2000*

Urban Streets

The term "urban streets" refers to urban arterials and collectors, including those in downtown areas.

Arterial streets are roads that primarily serve longer through trips. However, providing access to abutting commercial and residential land uses is also an important function of arterials.

Collector streets provide both land access and traffic circulation within residential, commercial and industrial areas. Their access function is more important than that of arterials, and unlike arterials their operation is not always dominated by traffic signals.

Downtown streets are signalized facilities that often resemble arterials. They not only move through traffic but also provide access to local businesses for passenger cars, transit buses, and trucks. Pedestrian conflicts and lane obstructions created by stopping or standing buses, trucks and parking vehicles that cause turbulence in the traffic flow are typical of downtown streets.

The speed of vehicles on urban streets is influenced by three main factors, street environment, interaction among vehicles and traffic control. As a result, these factors also affect quality of service.

The street environment includes the geometric characteristics of the facility, the character of roadside activity and adjacent land uses. Thus, the environment reflects the number and width of lanes, type of median, driveway density, spacing between signalized intersections, existence of parking, level of pedestrian activity and speed limit.

The interaction among vehicles is determined by traffic density, the proportion of trucks and buses, and turning movements. This interaction affects the operation of vehicles at intersections and, to a lesser extent, between signals.

Traffic control (including signals and signs) forces a portion of all vehicles to slow or stop. The delays and speed changes caused by traffic control devices reduce vehicle speeds, however, such controls are needed to establish right-of-way.

The average travel speed for through vehicles along an urban street is the determinant of the operating level of service. The travel speed along a segment, section or entire length of an urban street is dependent on the running speed between signalized intersections and the amount of control delay incurred at signalized intersections.

Level-of-service A describes primarily free-flow operations. Vehicles are completely unimpeded in their ability to maneuver within the traffic stream. Control delay at signalized intersections is minimal.

Level-of-service B describes reasonably unimpeded operations. The ability to maneuver within the traffic stream is only slightly restricted, and control delays at signalized intersections are not significant.

Level-of-service C describes stable operations, however, ability to maneuver and change lanes in midblock location may be more restricted than at level-of-service B. Longer queues, adverse signal coordination, or both may contribute to lower travel speeds.

Level-of-service D borders on a range in which in which small increases in flow may cause substantial increases in delay and decreases in travel speed. Level-of-service D may be due to adverse signal progression, inappropriate signal timing, high volumes, or a combination of these factors.

Level-of-service E is characterized by significant delays and lower travel speeds. Such operations are caused by a combination of adverse progression, high signal density, high volumes, extensive delays at critical intersections, and inappropriate signal timing.

Level-of-service F is characterized by urban street flow at extremely low speeds. Intersection congestion is likely at critical signalized locations, with high delays, high volumes, and extensive queuing.

The methodology to determine level of service stratifies urban streets into four classifications. The classifications are complex, and are related to functional and design categories. Table A-II describes the functional and design categories, while Table A-III relates these to the urban street classification.

Once classified, the urban street is divided into segments for analysis. An urban street segment is a one-way section of street encompassing a series of blocks or links terminating at a signalized intersection. Adjacent segments of urban streets may be combined to form larger street sections, provided that the segments have similar demand flows and characteristics.

Levels of service are related to the average travel speed of vehicles along the urban street segment or section.

Travel times for existing conditions are obtained by field measurements. The maximum-car technique is used. The vehicle is driven at the posted speed limit unless impeded by actual traffic conditions. In the maximum-car technique, a safe level of vehicular operation is maintained by observing proper following distances and by changing speeds at reasonable rates of acceleration and deceleration. The maximum-car technique provides the best base for measuring traffic performance.

An observer records the travel time and locations and duration of delay. The beginning and ending points are the centers of intersections. Delays include times waiting in queues at signalized intersections. The travel speed is determined by dividing the length of the segment by the travel time. Once the travel speed on the arterial is determined, the level of service is found by comparing the speed to the criteria in Table A-IV. Level-of-service criteria vary for the different classifications of urban street, reflecting differences in driver expectations.

Table A-II

Functional and Design Categories for Urban Streets

Criterion	Functional Category	
	Principal Arterial	**Minor Arterial**
Mobility function	Very important	Important
Access function	Very minor	Substantial
Points connected	Freeways, important activity centers, major traffic generators	Principal arterials
Predominant trips served	Relatively long trips between major points and through trips entering, leaving, and passing through city	Trips of moderate length within relatively small geographical areas

Criterion	Design Category			
	High-Speed	**Suburban**	**Intermediate**	**Urban**
Driveway access density	Very low density	Low density	Moderate density	High density
Arterial type	Multilane divided; undivided or two-lane with shoulders	Multilane divided: undivided or two-lane with shoulders	Multilane divided or undivided; one way, two lane	Undivided one way; two way, two or more lanes
Parking	No	No	Some	Usually
Separate left-turn lanes	Yes	Yes	Usually	Some
Signals per mile	0.5 to 2	1 to 5	4 to 10	6 to 12
Speed limits	45 to 55 mph	40 to 45 mph	30 to 40 mph	25 to 35 mph
Pedestrian activity	Very little	Little	Some	Usually
Roadside development	Low density	Low to medium density	Medium to moderate density	High density

Source: *Highway Capacity Manual 2000*

Table A-III

Urban Street Class based on Function and Design Categories

Design Category	Functional Category	
	Principal Arterial	**Minor Arterial**
High-Speed	I	Not applicable
Suburban	II	II
Intermediate	II	III or IV
Urban	III or IV	IV

Source: *Highway Capacity Manual 2000*

Table A-IV

Urban Street Levels of Service by Class

Urban Street Class	**I**	**II**	**III**	**IV**
Range of Free Flow Speeds (mph)	45 to 55	35 to 45	30 to 35	25 to 35
Typical Free Flow Speed (mph)	50	40	33	30
Level of Service	**Average Travel Speed (mph)**			
A	>42	>35	>30	>25
B	>34	>28	>24	>19
C	>27	>22	>18	>13
D	>21	>17	>14	>9
E	>16	>13	>10	>7
F	≤16	≤13	≤10	≤7

Source: *Highway Capacity Manual 2000*

Interrupted Flow

One of the more important elements limiting, and often interrupting the flow of traffic on a highway is the intersection. Flow on an interrupted facility is usually dominated by points of fixed operation such as traffic signals, stop and yield signs. These all operate quite differently and have differing impacts on overall flow.

Signalized Intersections

The capacity of a highway is related primarily to the geometric characteristics of the facility, as well as to the composition of the traffic stream on the facility. Geometrics are a fixed, or non-varying, characteristic of a facility.

At the signalized intersection, an additional element is introduced into the concept of capacity: time allocation. A traffic signal essentially allocates time among conflicting traffic movements seeking use of the same physical space. The way in which time is allocated has a significant impact on the operation of the intersection and on the capacity of the intersection and its approaches.

Level of service for signalized intersections is defined in terms of control delay, which is a measure of driver discomfort, frustration, fuel consumption, and increased travel time. The delay experienced by a motorist is made up of a number of factors that relate to control, traffic and incidents. Total delay is the difference between the travel time actually experienced and the reference travel time that would result during base conditions, *i. e.,* in the absence of traffic control, geometric delay, any incidents, and any other vehicles. Specifically, level of service criteria for traffic signals are stated in terms of average control delay per vehicle, typically for a 15-minute analysis period. Delay is a complex measure and depends on a number of variables, including the quality of progression, the cycle length, the ratio of green time to cycle length and the volume to capacity ratio for the lane group.

For each intersection analyzed the average control delay per vehicle per approach is determined for the peak hour. A weighted average of control delay per vehicle is then determined for the intersection. A level of service designation is given to the control delay to better describe the level of operation. A

description of levels of service for signalized intersections can be found in Table A-V.

Table A-V

Description of Level of Service for Signalized Intersections

Level of Service	Description
A	Very low control delay, up to 10 seconds per vehicle. Progression is extremely favorable, and most vehicles arrive during the green phase. Many vehicles do not stop at all. Short cycle lengths may tend to contribute to low delay values.
B	Control delay greater than 10 and up to 20 seconds per vehicle. There is good progression or short cycle lengths or both. More vehicles stop causing higher levels of delay.
C	Control delay greater than 20 and up to 35 seconds per vehicle. Higher delays are caused by fair progression or longer cycle lengths or both. Individual cycle failures may begin to appear. Cycle failure occurs when a given green phase doe not serve queued vehicles, and overflow occurs. The number of vehicles stopping is significant, though many still pass through the intersection without stopping.
D	Control delay greater than 35 and up to 55 seconds per vehicle. The influence of congestions becomes more noticeable. Longer delays may result from some combination of unfavorable progression, long cycle lengths, or high volumes. Many vehicles stop, the proportion of vehicles not stopping declines. Individual cycle failures are noticeable.
E	Control delay greater than 55 and up to 80 seconds per vehicle. The limit of acceptable delay. High delays usually indicate poor progression, long cycle lengths, and high volumes. Individual cycle failures are frequent.
F	Control delay in excess of 80 seconds per vehicle. Unacceptable to most drivers. Oversaturation, arrival flow rates exceed the capacity of the intersection. Many individual cycle failures. Poor progression and long cycle lengths may also be contributing factors to higher delay.

Source: *Highway Capacity Manual 2000*

The use of control delay, which may also be referred to as signal delay, was introduced in the 1997 update to the *Highway Capacity Manual*, and represents a departure from previous updates. In the third edition, published in 1985 and the 1994 update to the third edition, delay only included stopped delay. Thus, the level of service criteria listed in Table A-V differs from earlier criteria.

Unsignalized Intersections

The current procedures on unsignalized intersections were first introduced in the 1997 update to the *Highway Capacity Manual* and represent a revision of the methodology published in the 1994 update to the 1985 *Highway Capacity Manual*. The revised procedures use control delay as a measure of effectiveness to determine level of service. Delay is a measure of driver discomfort, frustration, fuel consumption, and increased travel time. The delay experienced by a motorist is made up of a number of factors that relate to control, traffic and incidents. Total delay is the difference between the travel time actually experienced and the reference travel time that would result during base conditions, *i. e.,* in the absence of traffic control, geometric delay, any incidents, and any other vehicles. Control delay is the increased time of travel for a vehicle approaching and passing through an unsignalized intersection, compared with a free-flow vehicle if it were not required to slow or stop at the intersection.

Two-Way Stop Controlled Intersections

Two-way stop controlled intersections in which stop signs are used to assign the right-of-way, are the most prevalent type of intersection in the United States. At two-way stop-controlled intersections the stop-controlled approaches are referred as the minor street approaches and can be either public streets or private driveways. The approaches that are not controlled by stop signs are referred to as the major street approaches.

The capacity of movements subject to delay are determined using the "critical gap" method of capacity analysis. Expected average control delay based on movement volume and movement capacity is calculated. A level of service designation is given to the expected control delay for each minor movement. Level of service is not defined for the intersection as a whole. Control delay is the increased time of travel for a vehicle approaching and passing through a stop-controlled intersection, compared with a free-flow vehicle if it were not required to slow or stop at the intersection. A description of levels of service for two-way stop-controlled intersections is found in Table A-VI.

Table A-VI

Description of Level of Service for Two-Way Stop Controlled Intersections

Level of Service	Description
A	Very low control delay less than 10 seconds per vehicle for each movement subject to delay.
B	Low control delay greater than 10 and up to 15 seconds per vehicle for each movement subject to delay.
C	Acceptable control delay greater than 15 and up to 25 seconds per vehicle for each movement subject to delay.
D	Tolerable control delay greater than 25 and up to 35 seconds per vehicle for each movement subject to delay.
E	Limit of tolerable control delay greater than 35 and up to 50 seconds per vehicle for each movement subject to delay.
F	Unacceptable control delay in excess of 50 seconds per vehicle for each movement subject to delay.

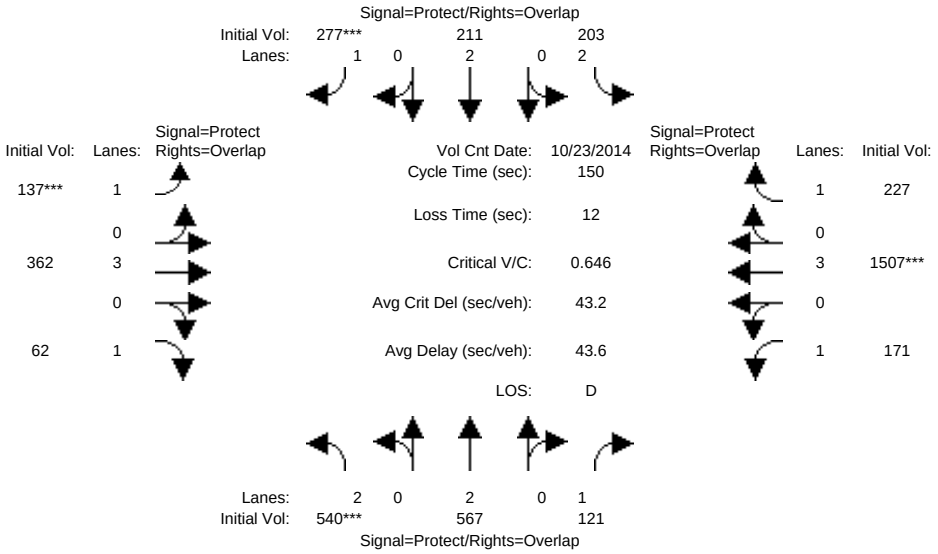
Source: *Highway Capacity Manual 2000*

Appendix B – Existing Conditions Intersections Level of Service Worksheets

City of San Jose
Citywide Traffix Database
(updated July 2, 2014)

Level Of Service Computation Report
2000 HCM Operations (Base Volume Alternative)
Existing (AM)

Intersection # 1 (City ID 3076): BERRYESSA ROAD/LUNDY AVENUE



Street Name:	LUNDY AVENUE						BERRYESSA ROAD					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L -	T -	R	L -	T -	R	L -	T -	R	L -	T -	R
Min. Green:	7	10	10	7	10	10	7	10	10	7	10	10
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Volume Module: >> Count Date: 23 Oct 2014 << 7:35-8:35AM												
Base Vol:	540	567	121	203	211	277	137	362	62	171	1507	227
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	540	567	121	203	211	277	137	362	62	171	1507	227
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	540	567	121	203	211	277	137	362	62	171	1507	227
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	540	567	121	203	211	277	137	362	62	171	1507	227
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	540	567	121	203	211	277	137	362	62	171	1507	227
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.83	1.00	0.92	0.83	1.00	0.92	0.92	1.00	0.92	0.92	1.00	0.92
Lanes:	2.00	2.00	1.00	2.00	2.00	1.00	1.00	3.00	1.00	1.00	3.00	1.00
Final Sat.:	3150	3800	1750	3150	3800	1750	1750	5700	1750	1750	5700	1750
Capacity Analysis Module:												
Vol/Sat:	0.17	0.15	0.07	0.06	0.06	0.16	0.08	0.06	0.04	0.10	0.26	0.13
Crit Moves:	****					****	****				****	
Green Time:	39.8	40.8	88.1	17.6	18.6	36.8	18.2	32.3	72.1	47.3	61.4	79.0
Volume/Cap:	0.65	0.55	0.12	0.55	0.45	0.65	0.65	0.30	0.07	0.31	0.65	0.25
Delay/Veh:	50.6	47.4	13.8	64.2	61.6	54.2	69.6	49.5	21.0	39.3	36.2	19.4
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	50.6	47.4	13.8	64.2	61.6	54.2	69.6	49.5	21.0	39.3	36.2	19.4
LOS by Move:	D	D	B	E	E	D-	E	D	C+	D	D+	B-
HCM2k95thQ:	611	513	129	286	238	579	355	227	81	303	795	285

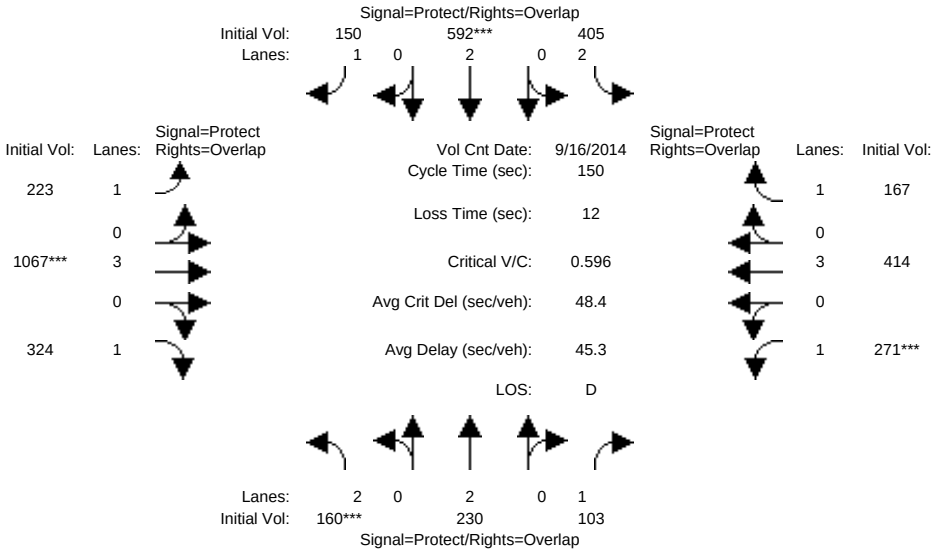
Note: Queue reported is the distance per lane in feet.

Copyright (c) 2008 Dowling Associates, Inc. Licensed to TJKM, PLEASANTON, CA

City of San Jose
Citywide Traffix Database
(updated July 2, 2014)

Level Of Service Computation Report
2000 HCM Operations (Base Volume Alternative)
Existing (PM)

Intersection # 1 (City ID 3076): BERRYESSA ROAD/LUNDY AVENUE



Street Name:	LUNDY AVENUE						BERRYESSA ROAD					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L -	T -	R	L -	T -	R	L -	T -	R	L -	T -	R
Min. Green:	7	10	10	7	10	10	7	10	10	7	10	10
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Volume Module: >> Count Date: 16 Sep 2014 << 4:40-5:40PM												
Base Vol:	160	230	103	405	592	150	223	1067	324	271	414	167
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	160	230	103	405	592	150	223	1067	324	271	414	167
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	160	230	103	405	592	150	223	1067	324	271	414	167
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	160	230	103	405	592	150	223	1067	324	271	414	167
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	160	230	103	405	592	150	223	1067	324	271	414	167
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.83	1.00	0.92	0.83	1.00	0.92	0.92	1.00	0.92	0.92	1.00	0.92
Lanes:	2.00	2.00	1.00	2.00	2.00	1.00	1.00	3.00	1.00	1.00	3.00	1.00
Final Sat.:	3150	3800	1750	3150	3800	1750	1750	5700	1750	1750	5700	1750
Capacity Analysis Module:												
Vol/Sat:	0.05	0.06	0.06	0.13	0.16	0.09	0.13	0.19	0.19	0.15	0.07	0.10
Crit Moves:	****				****			****		****		
Green Time:	12.8	17.7	56.7	34.2	39.2	94.0	54.8	47.1	59.9	39.0	31.2	65.5
Volume/Cap:	0.60	0.51	0.16	0.56	0.60	0.14	0.35	0.60	0.46	0.60	0.35	0.22
Delay/Veh:	69.8	63.1	30.9	52.3	49.5	11.5	35.0	44.0	33.7	50.8	50.9	26.5
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	69.8	63.1	30.9	52.3	49.5	11.5	35.0	44.0	33.7	50.8	50.9	26.5
LOS by Move:	E	E	C	D-	D	B+	C-	D	C-	D	D	C
HCM2k95thQ:	251	266	163	471	550	147	371	618	529	548	264	244

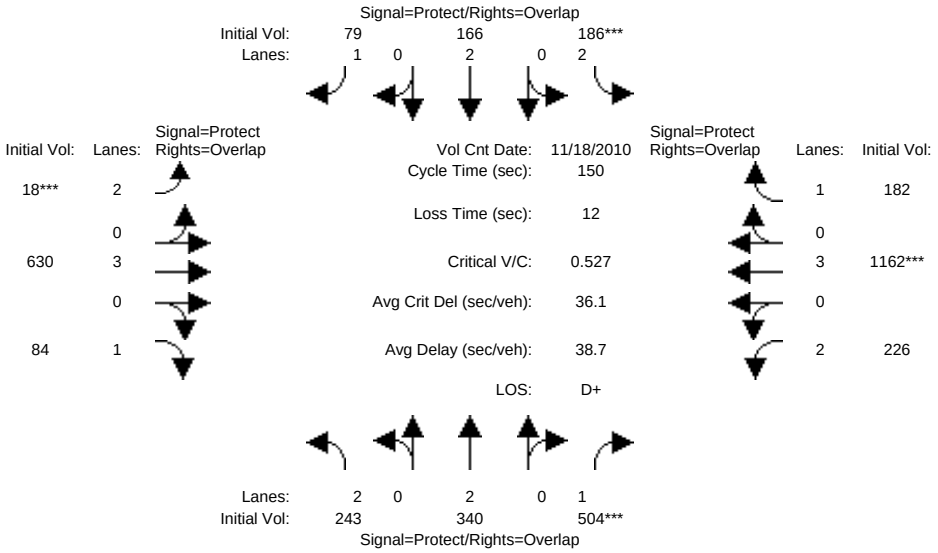
Note: Queue reported is the distance per lane in feet.

Copyright (c) 2008 Dowling Associates, Inc. Licensed to TJKM, PLEASANTON, CA

City of San Jose
Citywide Traffix Database
(updated July 2, 2014)

Level Of Service Computation Report
2000 HCM Operations (Base Volume Alternative)
Existing (AM)

Intersection # 2 (City ID 3295): BERRYESSA ROAD/FLICKINGER AVENUE



Street Name:	FLICKINGER AVENUE						BERRYESSA ROAD					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L -	T -	R	L -	T -	R	L -	T -	R	L -	T -	R
Min. Green:	7	10	10	7	10	10	7	10	10	7	10	10
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Volume Module: >> Count Date: 18 Nov 2010 << 730-830AM												
Base Vol:	243	340	504	186	166	79	18	630	84	226	1162	182
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	243	340	504	186	166	79	18	630	84	226	1162	182
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	243	340	504	186	166	79	18	630	84	226	1162	182
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	243	340	504	186	166	79	18	630	84	226	1162	182
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	243	340	504	186	166	79	18	630	84	226	1162	182
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.83	1.00	0.92	0.83	1.00	0.92	0.83	1.00	0.92	0.83	1.00	0.92
Lanes:	2.00	2.00	1.00	2.00	2.00	1.00	2.00	3.00	1.00	2.00	3.00	1.00
Final Sat.:	3150	3800	1750	3150	3800	1750	3150	5700	1750	3150	5700	1750
Capacity Analysis Module:												
Vol/Sat:	0.08	0.09	0.29	0.06	0.04	0.05	0.01	0.11	0.05	0.07	0.20	0.10
Crit Moves:			****	****			****				****	
Green Time:	40.4	59.1	83.8	16.1	34.9	41.9	7.0	38.0	78.4	24.7	55.7	71.9
Volume/Cap:	0.29	0.23	0.52	0.55	0.19	0.16	0.12	0.44	0.09	0.44	0.55	0.22
Delay/Veh:	43.6	30.3	21.0	65.4	46.3	41.0	68.9	47.2	18.0	57.0	37.5	22.8
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	43.6	30.3	21.0	65.4	46.3	41.0	68.9	47.2	18.0	57.0	37.5	22.8
LOS by Move:	D	C	C+	E	D	D	E	D	B	E+	D+	C+
HCM2k95thQ:	255	245	667	269	151	145	30	381	102	283	618	247

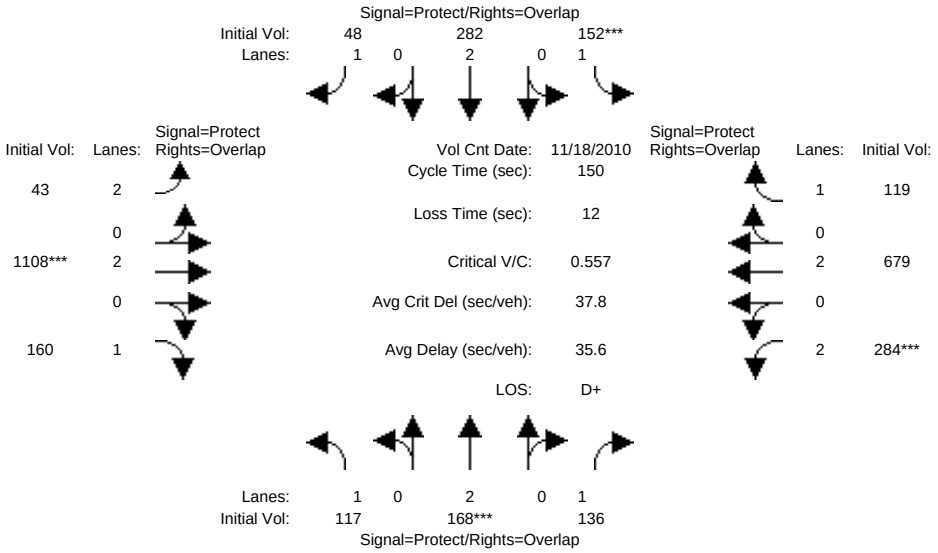
Note: Queue reported is the distance per lane in feet.

Copyright (c) 2008 Dowling Associates, Inc. Licensed to TJKM, PLEASANTON, CA

City of San Jose
Citywide Traffix Database
(updated July 2, 2014)

Level Of Service Computation Report
2000 HCM Operations (Base Volume Alternative)
Existing (PM)

Intersection # 2 (City ID 3295): BERRYESSA ROAD/FLICKINGER AVENUE



Street Name:	FLICKINGER AVENUE						BERRYESSA ROAD					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L -	T -	R	L -	T -	R	L -	T -	R	L -	T -	R
Min. Green:	7	10	10	7	10	10	7	10	10	7	10	10
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Volume Module: >> Count Date: 18 Nov 2010 << 445-545PM												
Base Vol:	117	168	136	152	282	48	43	1108	160	284	679	119
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	117	168	136	152	282	48	43	1108	160	284	679	119
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	117	168	136	152	282	48	43	1108	160	284	679	119
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	117	168	136	152	282	48	43	1108	160	284	679	119
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	117	168	136	152	282	48	43	1108	160	284	679	119
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.92	1.00	0.92	0.92	1.00	0.92	0.83	1.00	0.92	0.83	1.00	0.92
Lanes:	1.00	2.00	1.00	1.00	2.00	1.00	2.00	2.00	1.00	2.00	2.00	1.00
Final Sat.:	1750	3800	1750	1750	3800	1750	3150	3800	1750	3150	3800	1750
Capacity Analysis Module:												
Vol/Sat:	0.07	0.04	0.08	0.09	0.07	0.03	0.01	0.29	0.09	0.09	0.18	0.07
Crit Moves:		****		****				****		****		
Green Time:	16.7	11.9	36.2	23.4	18.6	39.8	21.3	78.5	95.2	24.3	81.5	104.8
Volume/Cap:	0.60	0.56	0.32	0.56	0.60	0.10	0.10	0.56	0.14	0.56	0.33	0.10
Delay/Veh:	68.6	68.8	47.3	61.1	64.4	41.7	56.1	24.4	11.1	59.3	19.2	7.3
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	68.6	68.8	47.3	61.1	64.4	41.7	56.1	24.4	11.1	59.3	19.2	7.3
LOS by Move:	E	E	D	E	E	D	E+	C	B+	E+	B-	A
HCM2k95thQ:	306	221	269	357	330	90	54	728	154	366	392	94

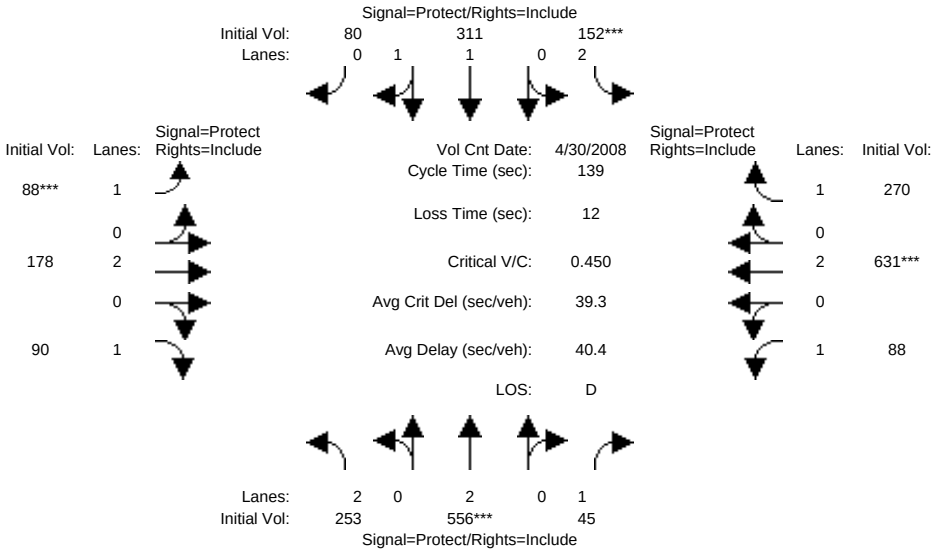
Note: Queue reported is the distance per lane in feet.

Copyright (c) 2008 Dowling Associates, Inc. Licensed to TJKM, PLEASANTON, CA

City of San Jose
Citywide Traffix Database
(updated July 2, 2014)

Level Of Service Computation Report
2000 HCM Operations (Base Volume Alternative)
Existing (AM)

Intersection # 3 (City ID 3623): KING ROAD/MABURY ROAD



Street Name:	KING ROAD						MABURY ROAD					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L -	T -	R	L -	T -	R	L -	T -	R	L -	T -	R
Min. Green:	7	10	10	7	10	10	7	10	10	7	10	10
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Volume Module: >> Count Date: 30 Apr 2008 << 7:30-8:30AM												
Base Vol:	253	556	45	152	311	80	88	178	90	88	631	270
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	253	556	45	152	311	80	88	178	90	88	631	270
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	253	556	45	152	311	80	88	178	90	88	631	270
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	253	556	45	152	311	80	88	178	90	88	631	270
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	253	556	45	152	311	80	88	178	90	88	631	270
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.83	1.00	0.92	0.83	0.98	0.95	0.92	1.00	0.92	0.92	1.00	0.92
Lanes:	2.00	2.00	1.00	2.00	1.58	0.42	1.00	2.00	1.00	1.00	2.00	1.00
Final Sat.:	3150	3800	1750	3150	2942	757	1750	3800	1750	1750	3800	1750
Capacity Analysis Module:												
Vol/Sat:	0.08	0.15	0.03	0.05	0.11	0.11	0.05	0.05	0.05	0.05	0.17	0.15
Crit Moves:		****		****			****				****	
Green Time:	26.0	45.2	45.2	14.9	34.2	34.2	15.5	39.3	39.3	27.5	51.3	51.3
Volume/Cap:	0.43	0.45	0.08	0.45	0.43	0.43	0.45	0.17	0.18	0.25	0.45	0.42
Delay/Veh:	50.5	37.3	32.5	59.1	44.5	44.5	59.4	37.6	37.8	47.4	33.4	33.1
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	50.5	37.3	32.5	59.1	44.5	44.5	59.4	37.6	37.8	47.4	33.4	33.1
LOS by Move:	D	D+	C-	E+	D	D	E+	D+	D+	D	C-	C-
HCM2k95thQ:	287	431	72	202	346	346	209	140	154	172	462	426

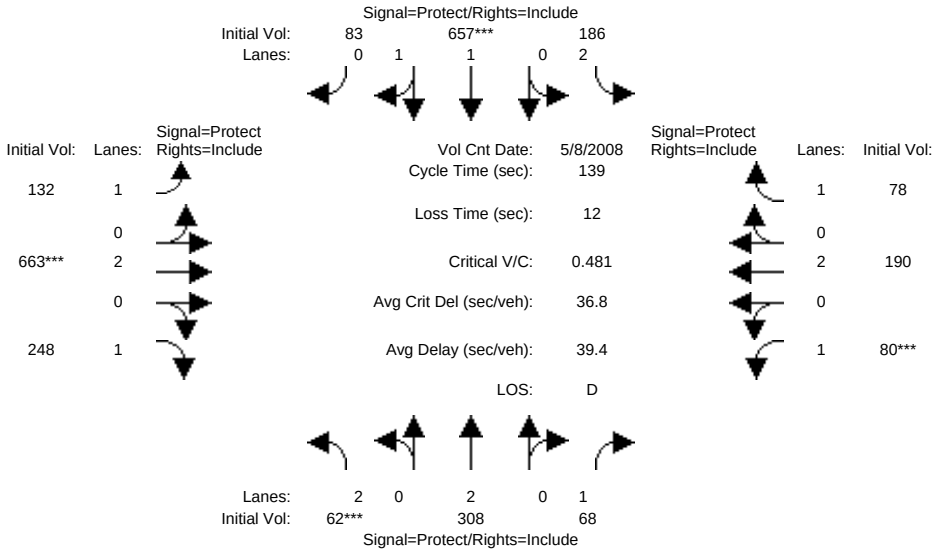
Note: Queue reported is the distance per lane in feet.

Copyright (c) 2008 Dowling Associates, Inc. Licensed to TJKM, PLEASANTON, CA

City of San Jose
Citywide Traffix Database
(updated July 2, 2014)

Level Of Service Computation Report
2000 HCM Operations (Base Volume Alternative)
Existing (PM)

Intersection # 3 (City ID 3623): KING ROAD/MABURY ROAD



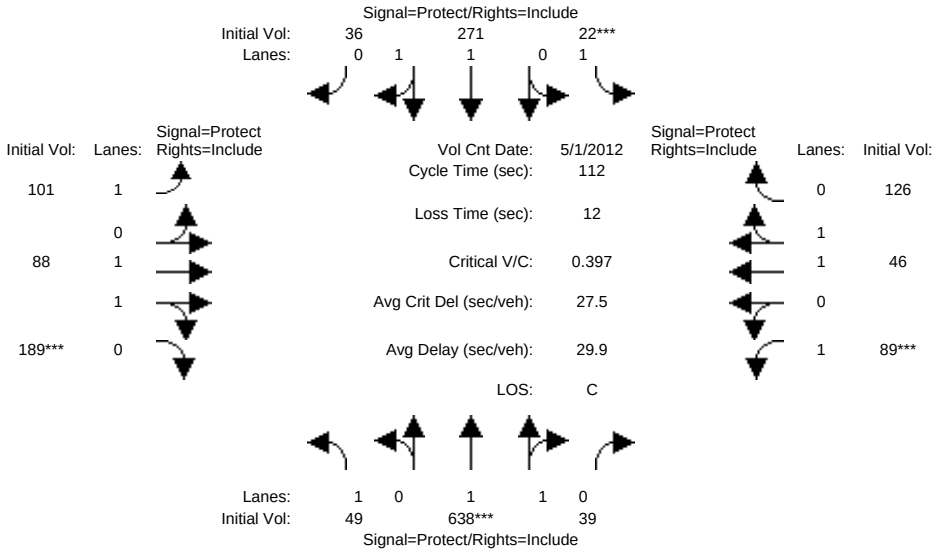

```
Street Name:            KING ROAD                        MABURY ROAD
Approach:      North Bound      South Bound       East Bound       West Bound
Movement:     L  -  T  -  R    L  -  T  -  R    L  -  T  -  R    L  -  T  -  R
------------|---------------||---------------||---------------||---------------|
Min. Green:     7   10    10     7   10    10     7   10    10     7   10    10
Y+R:          4.0  4.0   4.0   4.0  4.0   4.0   4.0  4.0   4.0   4.0  4.0   4.0
------------|---------------||---------------||---------------||---------------|
Volume Module: >> Count Date: 8 May 2008 << 4:45-5:45PM
Base Vol:      62  308    68   186  657    83   132  663   248    80  190    78
Growth Adj:  1.00 1.00  1.00  1.00 1.00  1.00  1.00 1.00  1.00  1.00 1.00  1.00
Initial Bse:   62  308    68   186  657    83   132  663   248    80  190    78
User Adj:    1.00 1.00  1.00  1.00 1.00  1.00  1.00 1.00  1.00  1.00 1.00  1.00
PHF Adj:     1.00 1.00  1.00  1.00 1.00  1.00  1.00 1.00  1.00  1.00 1.00  1.00
PHF Volume:    62  308    68   186  657    83   132  663   248    80  190    78
Reduct Vol:     0    0     0     0    0     0     0    0     0     0    0     0
Reduced Vol:   62  308    68   186  657    83   132  663   248    80  190    78
PCE Adj:     1.00 1.00  1.00  1.00 1.00  1.00  1.00 1.00  1.00  1.00 1.00  1.00
MLF Adj:     1.00 1.00  1.00  1.00 1.00  1.00  1.00 1.00  1.00  1.00 1.00  1.00
FinalVolume:   62  308    68   186  657    83   132  663   248    80  190    78
------------|---------------||---------------||---------------||---------------|
Saturation Flow Module:
Sat/Lane:    1900 1900  1900  1900 1900  1900  1900 1900  1900  1900 1900  1900
Adjustment:  0.83 1.00  0.92  0.83 0.98  0.95  0.92 1.00  0.92  0.92 1.00  0.92
Lanes:       2.00 2.00  1.00  2.00 1.77  0.23  1.00 2.00  1.00  1.00 2.00  1.00
Final Sat.:  3150 3800  1750  3150 3285   415  1750 3800  1750  1750 3800  1750
------------|---------------||---------------||---------------||---------------|
Capacity Analysis Module:
Vol/Sat:     0.02 0.08  0.04  0.06 0.20  0.20  0.08 0.17  0.14  0.05 0.05  0.04
Crit Moves:  ****                 ****             ****        ****
Green Time:   7.0 37.1  37.1  27.0 57.1  57.1  32.2 49.8  49.8  13.1 30.7  30.7
Volume/Cap:  0.39 0.30  0.15  0.30 0.49  0.49  0.33 0.49  0.40  0.49 0.23  0.20
Delay/Veh:   71.0 41.4  39.5  49.2 31.3  31.3  46.5 35.9  35.2  69.7 45.0  45.3
User DelAdj: 1.00 1.00  1.00  1.00 1.00  1.00  1.00 1.00  1.00  1.00 1.00  1.00
AdjDel/Veh:  71.0 41.4  39.5  49.2 31.3  31.3  46.5 35.9  35.2  69.7 45.0  45.3
LOS by Move:    E    D     D     D    C     C     D   D+    D+     E    D     D
HCM2k95thQ:   113  253   130   211  497   497   249  466   376   208  175   157
Note: Queue reported is the distance per lane in feet.
```


Copyright (c) 2008 Dowling Associates, Inc. Licensed to TJKM, PLEASANTON, CA

City of San Jose
Citywide Traffix Database
(updated July 2, 2014)

Level Of Service Computation Report
2000 HCM Operations (Base Volume Alternative)
Existing (AM)

Intersection # 4 (City ID 3661): LUNDY AVENUE/SIERRA ROAD



Street Name:	LUNDY AVENUE						SIERRA ROAD					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L -	T -	R	L -	T -	R	L -	T -	R	L -	T -	R
Min. Green:	7	10	10	7	10	10	7	10	10	7	10	10
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Volume Module: >> Count Date: 1 May 2012 << 7:30-8:30AM												
Base Vol:	49	638	39	22	271	36	101	88	189	89	46	126
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	49	638	39	22	271	36	101	88	189	89	46	126
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	49	638	39	22	271	36	101	88	189	89	46	126
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	49	638	39	22	271	36	101	88	189	89	46	126
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	49	638	39	22	271	36	101	88	189	89	46	126
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.92	0.98	0.95	0.92	0.98	0.95	0.92	1.00	0.92	0.92	1.00	0.92
Lanes:	1.00	1.88	0.12	1.00	1.76	0.24	1.00	1.00	1.00	1.00	1.00	1.00
Final Sat.:	1750	3487	213	1750	3266	434	1750	1900	1750	1750	1900	1750
Capacity Analysis Module:												
Vol/Sat:	0.03	0.18	0.18	0.01	0.08	0.08	0.06	0.05	0.11	0.05	0.02	0.07
Crit Moves:		****		****					****	****		
Green Time:	23.4	49.8	49.8	7.0	33.4	33.4	17.8	29.4	29.4	13.8	25.4	25.4
Volume/Cap:	0.13	0.41	0.41	0.20	0.28	0.28	0.36	0.18	0.41	0.41	0.11	0.32
Delay/Veh:	36.2	21.3	21.3	50.8	30.2	30.2	42.9	32.0	34.6	46.6	34.3	36.4
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	36.2	21.3	21.3	50.8	30.2	30.2	42.9	32.0	34.6	46.6	34.3	36.4
LOS by Move:	D+	C+	C+	D	C	C	D	C-	C-	D	C-	D+
HCM2k95thQ:	77	379	379	49	204	204	179	118	288	172	65	198

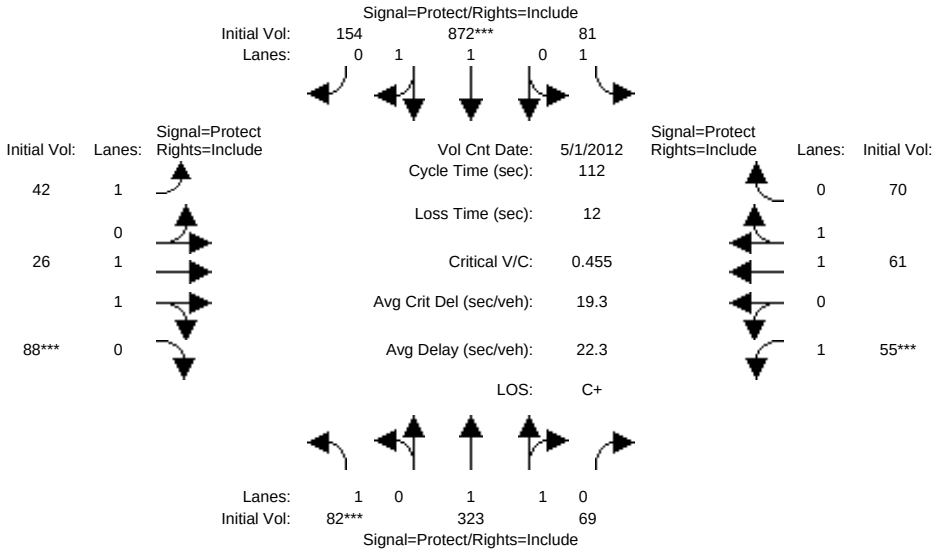
Note: Queue reported is the distance per lane in feet.

Copyright (c) 2008 Dowling Associates, Inc. Licensed to TJKM, PLEASANTON, CA

City of San Jose
Citywide Traffix Database
(updated July 2, 2014)

Level Of Service Computation Report
2000 HCM Operations (Base Volume Alternative)
Existing (PM)

Intersection # 4 (City ID 3661): LUNDY AVENUE/SIERRA ROAD



Street Name:	LUNDY AVENUE						SIERRA ROAD					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L -	T -	R	L -	T -	R	L -	T -	R	L -	T -	R
Min. Green:	7	10	10	7	10	10	7	10	10	7	10	10
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Volume Module: >> Count Date: 1 May 2012 << 5:00-6:00PM												
Base Vol:	82	323	69	81	872	154	42	26	88	55	61	70
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	82	323	69	81	872	154	42	26	88	55	61	70
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	82	323	69	81	872	154	42	26	88	55	61	70
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	82	323	69	81	872	154	42	26	88	55	61	70
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	82	323	69	81	872	154	42	26	88	55	61	70
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.92	0.98	0.95	0.92	0.98	0.95	0.92	1.00	0.92	0.92	1.00	0.92
Lanes:	1.00	1.64	0.36	1.00	1.69	0.31	1.00	1.00	1.00	1.00	1.00	1.00
Final Sat.:	1750	3048	651	1750	3144	555	1750	1900	1750	1750	1900	1750
Capacity Analysis Module:												
Vol/Sat:	0.05	0.11	0.11	0.05	0.28	0.28	0.02	0.01	0.05	0.03	0.03	0.04
Crit Moves:	****				****				****	****		
Green Time:	11.5	50.2	50.2	29.6	68.3	68.3	8.3	12.4	12.4	7.7	11.8	11.8
Volume/Cap:	0.45	0.24	0.24	0.17	0.45	0.45	0.32	0.12	0.45	0.45	0.30	0.38
Delay/Veh:	49.1	19.1	19.1	31.9	11.9	11.9	50.7	45.0	48.0	52.8	46.7	47.3
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	49.1	19.1	19.1	31.9	11.9	11.9	50.7	45.0	48.0	52.8	46.7	47.3
LOS by Move:	D	B-	B-	C	B+	B+	D	D	D	D-	D	D
HCM2k95thQ:	169	206	206	118	447	447	92	45	178	129	111	140

Note: Queue reported is the distance per lane in feet.

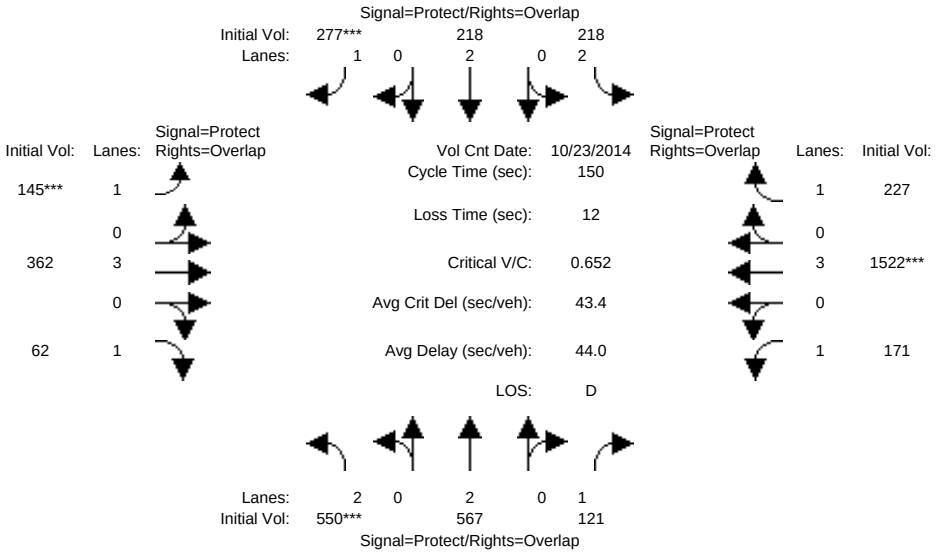
Copyright (c) 2008 Dowling Associates, Inc. Licensed to TJKM, PLEASANTON, CA

Appendix C – Existing plus Project Conditions Intersections Level of Service Worksheets

City of San Jose
Citywide Traffix Database
(updated July 2, 2014)

Level Of Service Computation Report
2000 HCM Operations (Future Volume Alternative)
Existing plus Project (AM)

Intersection # 1 (City ID 3076): BERRYESSA ROAD/LUNDY AVENUE



Street Name:	LUNDY AVENUE						BERRYESSA ROAD					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L -	T -	R	L -	T -	R	L -	T -	R	L -	T -	R
Min. Green:	7	10	10	7	10	10	7	10	10	7	10	10
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Volume Module: >> Count Date: 23 Oct 2014 << 7:35-8:35AM												
Base Vol:	540	567	121	203	211	277	137	362	62	171	1507	227
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	540	567	121	203	211	277	137	362	62	171	1507	227
Added Vol:	10	0	0	15	7	0	8	0	0	0	15	0
ATI:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	550	567	121	218	218	277	145	362	62	171	1522	227
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	550	567	121	218	218	277	145	362	62	171	1522	227
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	550	567	121	218	218	277	145	362	62	171	1522	227
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	550	567	121	218	218	277	145	362	62	171	1522	227
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.83	1.00	0.92	0.83	1.00	0.92	0.92	1.00	0.92	0.92	1.00	0.92
Lanes:	2.00	2.00	1.00	2.00	2.00	1.00	1.00	3.00	1.00	1.00	3.00	1.00
Final Sat.:	3150	3800	1750	3150	3800	1750	1750	5700	1750	1750	5700	1750
Capacity Analysis Module:												
Vol/Sat:	0.17	0.15	0.07	0.07	0.06	0.16	0.08	0.06	0.04	0.10	0.27	0.13
Crit Moves:	****					****	****				****	
Green Time:	40.2	39.3	87.1	18.2	17.4	36.4	19.1	32.6	72.8	47.8	61.4	79.6
Volume/Cap:	0.65	0.57	0.12	0.57	0.50	0.65	0.65	0.29	0.07	0.31	0.65	0.24
Delay/Veh:	50.6	48.8	14.2	64.2	63.1	54.7	69.1	49.2	20.6	38.9	36.3	19.1
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	50.6	48.8	14.2	64.2	63.1	54.7	69.1	49.2	20.6	38.9	36.3	19.1
LOS by Move:	D	D	B	E	E	D-	E	D	C+	D+	D+	B-
HCM2k95thQ:	621	523	131	306	253	582	371	226	81	302	805	283

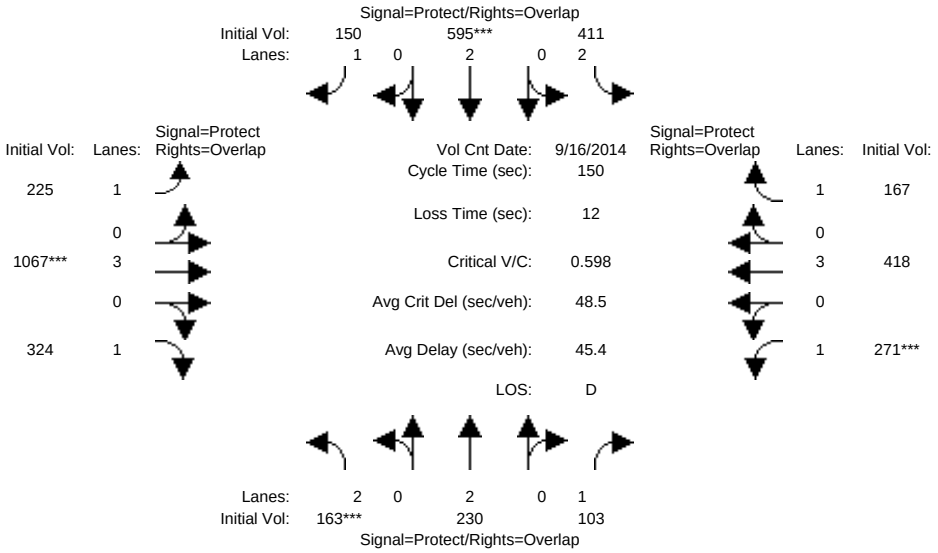
Note: Queue reported is the distance per lane in feet.

Copyright (c) 2008 Dowling Associates, Inc. Licensed to TJKM, PLEASANTON, CA

City of San Jose
Citywide Traffix Database
(updated July 2, 2014)

Level Of Service Computation Report
2000 HCM Operations (Future Volume Alternative)
Existing plus Project (PM)

Intersection # 1 (City ID 3076): BERRYESSA ROAD/LUNDY AVENUE



Street Name:	LUNDY AVENUE						BERRYESSA ROAD					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L -	T -	R	L -	T -	R	L -	T -	R	L -	T -	R
Min. Green:	7	10	10	7	10	10	7	10	10	7	10	10
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Volume Module: >> Count Date: 16 Sep 2014 << 4:40-5:40PM												
Base Vol:	160	230	103	405	592	150	223	1067	324	271	414	167
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	160	230	103	405	592	150	223	1067	324	271	414	167
Added Vol:	3	0	0	6	3	0	2	0	0	0	4	0
ATI:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	163	230	103	411	595	150	225	1067	324	271	418	167
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	163	230	103	411	595	150	225	1067	324	271	418	167
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	163	230	103	411	595	150	225	1067	324	271	418	167
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	163	230	103	411	595	150	225	1067	324	271	418	167
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.83	1.00	0.92	0.83	1.00	0.92	0.92	1.00	0.92	0.92	1.00	0.92
Lanes:	2.00	2.00	1.00	2.00	2.00	1.00	1.00	3.00	1.00	1.00	3.00	1.00
Final Sat.:	3150	3800	1750	3150	3800	1750	1750	5700	1750	1750	5700	1750
Capacity Analysis Module:												
Vol/Sat:	0.05	0.06	0.06	0.13	0.16	0.09	0.13	0.19	0.19	0.15	0.07	0.10
Crit Moves:	****				****			****		****		
Green Time:	13.0	17.7	56.5	34.6	39.3	93.9	54.6	46.9	59.9	38.8	31.2	65.7
Volume/Cap:	0.60	0.51	0.16	0.57	0.60	0.14	0.35	0.60	0.46	0.60	0.35	0.22
Delay/Veh:	69.6	63.2	31.1	52.1	49.5	11.5	35.1	44.1	33.7	51.0	51.0	26.3
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	69.6	63.2	31.1	52.1	49.5	11.5	35.1	44.1	33.7	51.0	51.0	26.3
LOS by Move:	E	E	C	D-	D	B+	D+	D	C-	D	D	C
HCM2k95thQ:	255	266	164	477	553	147	376	619	528	549	267	243

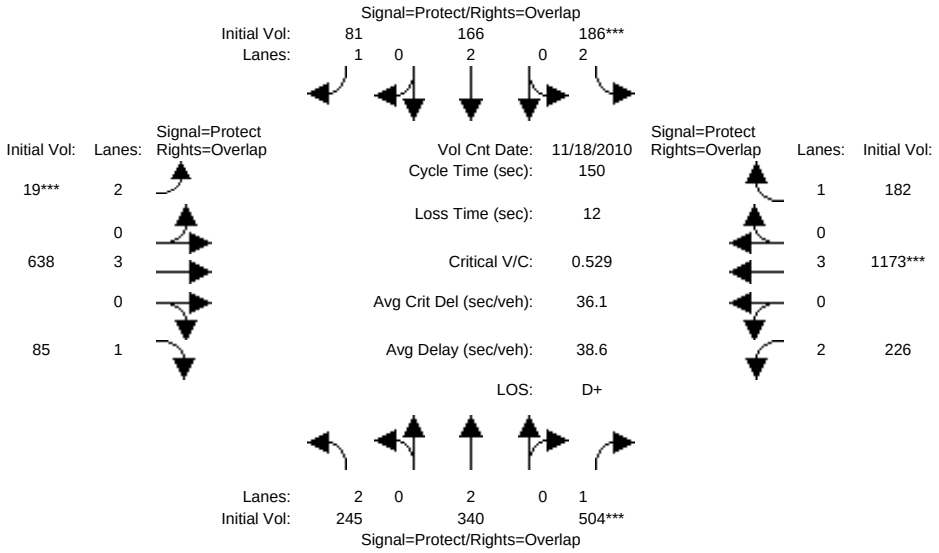
Note: Queue reported is the distance per lane in feet.

Copyright (c) 2008 Dowling Associates, Inc. Licensed to TJKM, PLEASANTON, CA

City of San Jose
Citywide Traffix Database
(updated July 2, 2014)

Level Of Service Computation Report
2000 HCM Operations (Future Volume Alternative)
Existing plus Project (AM)

Intersection # 2 (City ID 3295): BERRYESSA ROAD/FLICKINGER AVENUE



Street Name:	FLICKINGER AVENUE						BERRYESSA ROAD					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L -	T -	R	L -	T -	R	L -	T -	R	L -	T -	R
Min. Green:	7	10	10	7	10	10	7	10	10	7	10	10
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Volume Module: >> Count Date: 18 Nov 2010 << 730-830AM												
Base Vol:	243	340	504	186	166	79	18	630	84	226	1162	182
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	243	340	504	186	166	79	18	630	84	226	1162	182
Added Vol:	2	0	0	0	0	2	1	8	1	0	11	0
ATI:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	245	340	504	186	166	81	19	638	85	226	1173	182
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	245	340	504	186	166	81	19	638	85	226	1173	182
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	245	340	504	186	166	81	19	638	85	226	1173	182
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	245	340	504	186	166	81	19	638	85	226	1173	182
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.83	1.00	0.92	0.83	1.00	0.92	0.83	1.00	0.92	0.83	1.00	0.92
Lanes:	2.00	2.00	1.00	2.00	2.00	1.00	2.00	3.00	1.00	2.00	3.00	1.00
Final Sat.:	3150	3800	1750	3150	3800	1750	3150	5700	1750	3150	5700	1750
Capacity Analysis Module:												
Vol/Sat:	0.08	0.09	0.29	0.06	0.04	0.05	0.01	0.11	0.05	0.07	0.21	0.10
Crit Moves:			****	****			****				****	
Green Time:	40.4	58.9	83.5	16.1	34.6	41.6	7.0	38.4	78.8	24.6	56.0	72.1
Volume/Cap:	0.29	0.23	0.52	0.55	0.19	0.17	0.13	0.44	0.09	0.44	0.55	0.22
Delay/Veh:	43.6	30.5	21.2	65.5	46.5	41.2	69.0	46.9	17.8	57.0	37.4	22.7
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	43.6	30.5	21.2	65.5	46.5	41.2	69.0	46.9	17.8	57.0	37.4	22.7
LOS by Move:	D	C	C+	E	D	D	E	D	B	E+	D+	C+
HCM2k95thQ:	257	245	670	269	151	149	31	385	103	283	623	246

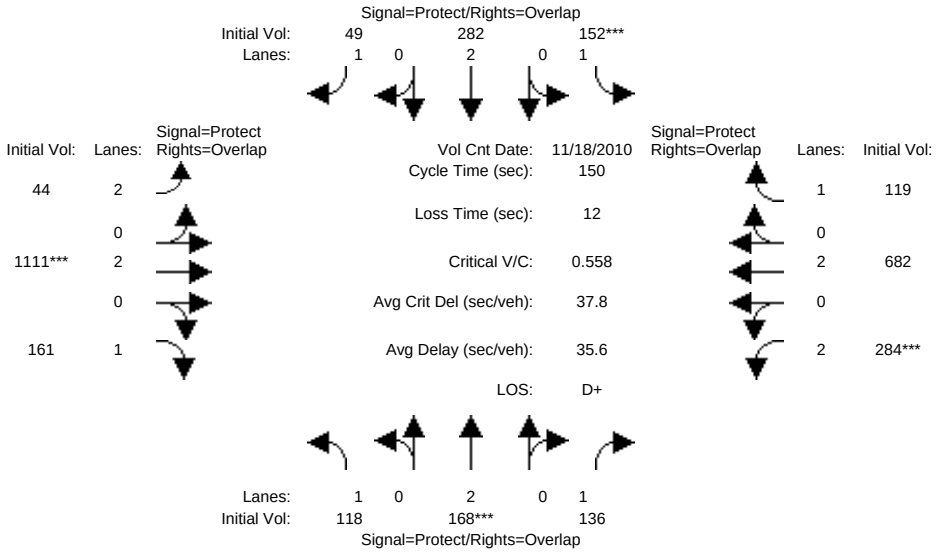
Note: Queue reported is the distance per lane in feet.

Copyright (c) 2008 Dowling Associates, Inc. Licensed to TJKM, PLEASANTON, CA

City of San Jose
Citywide Traffix Database
(updated July 2, 2014)

Level Of Service Computation Report
2000 HCM Operations (Future Volume Alternative)
Existing plus Project (PM)

Intersection # 2 (City ID 3295): BERRYESSA ROAD/FLICKINGER AVENUE



Street Name:	FLICKINGER AVENUE						BERRYESSA ROAD					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L -	T -	R	L -	T -	R	L -	T -	R	L -	T -	R
Min. Green:	7	10	10	7	10	10	7	10	10	7	10	10
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Volume Module: >> Count Date: 18 Nov 2010 << 445-545PM												
Base Vol:	117	168	136	152	282	48	43	1108	160	284	679	119
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	117	168	136	152	282	48	43	1108	160	284	679	119
Added Vol:	1	0	0	0	0	1	1	3	1	0	3	0
ATI:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	118	168	136	152	282	49	44	1111	161	284	682	119
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	118	168	136	152	282	49	44	1111	161	284	682	119
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	118	168	136	152	282	49	44	1111	161	284	682	119
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	118	168	136	152	282	49	44	1111	161	284	682	119
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.92	1.00	0.92	0.92	1.00	0.92	0.83	1.00	0.92	0.83	1.00	0.92
Lanes:	1.00	2.00	1.00	1.00	2.00	1.00	2.00	2.00	1.00	2.00	2.00	1.00
Final Sat.:	1750	3800	1750	1750	3800	1750	3150	3800	1750	3150	3800	1750
Capacity Analysis Module:												
Vol/Sat:	0.07	0.04	0.08	0.09	0.07	0.03	0.01	0.29	0.09	0.09	0.18	0.07
Crit Moves:		****		****				****		****		
Green Time:	16.8	11.9	36.1	23.3	18.5	39.7	21.2	78.6	95.3	24.2	81.6	104.9
Volume/Cap:	0.60	0.56	0.32	0.56	0.60	0.11	0.10	0.56	0.14	0.56	0.33	0.10
Delay/Veh:	68.7	68.9	47.3	61.1	64.5	41.9	56.2	24.4	11.0	59.3	19.1	7.3
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	68.7	68.9	47.3	61.1	64.5	41.9	56.2	24.4	11.0	59.3	19.1	7.3
LOS by Move:	E	E	D	E	E	D	E+	C	B+	E+	B-	A
HCM2k95thQ:	309	221	269	357	330	92	55	730	155	367	394	94

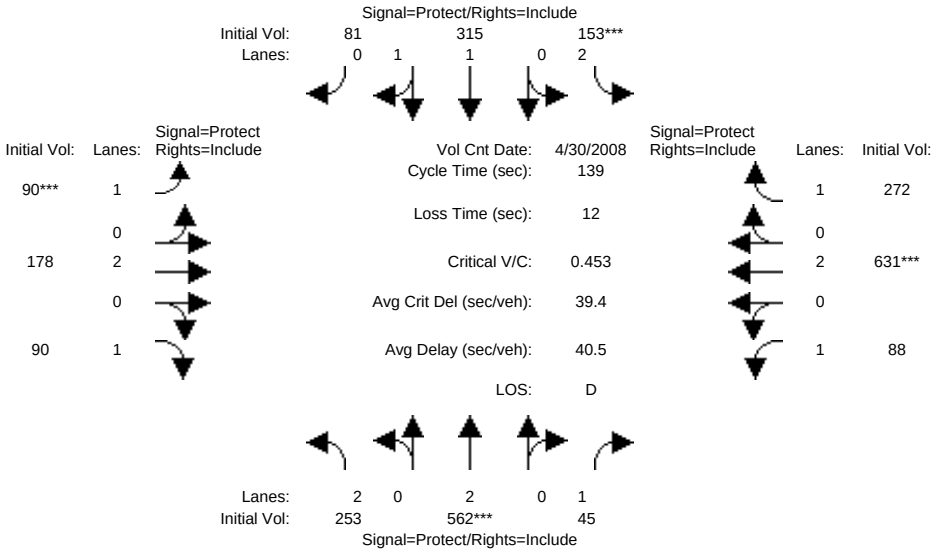
Note: Queue reported is the distance per lane in feet.

Copyright (c) 2008 Dowling Associates, Inc. Licensed to TJKM, PLEASANTON, CA

City of San Jose
Citywide Traffix Database
(updated July 2, 2014)

Level Of Service Computation Report
2000 HCM Operations (Future Volume Alternative)
Existing plus Project (AM)

Intersection # 3 (City ID 3623): KING ROAD/MABURY ROAD



Street Name:	KING ROAD						MABURY ROAD					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L -	T -	R	L -	T -	R	L -	T -	R	L -	T -	R
Min. Green:	7	10	10	7	10	10	7	10	10	7	10	10
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Volume Module: >> Count Date: 30 Apr 2008 << 7:30-8:30AM												
Base Vol:	253	556	45	152	311	80	88	178	90	88	631	270
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	253	556	45	152	311	80	88	178	90	88	631	270
Added Vol:	0	6	0	1	4	1	2	0	0	0	0	2
ATI:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	253	562	45	153	315	81	90	178	90	88	631	272
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	253	562	45	153	315	81	90	178	90	88	631	272
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	253	562	45	153	315	81	90	178	90	88	631	272
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	253	562	45	153	315	81	90	178	90	88	631	272
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.83	1.00	0.92	0.83	0.98	0.95	0.92	1.00	0.92	0.92	1.00	0.92
Lanes:	2.00	2.00	1.00	2.00	1.58	0.42	1.00	2.00	1.00	1.00	2.00	1.00
Final Sat.:	3150	3800	1750	3150	2943	757	1750	3800	1750	1750	3800	1750
Capacity Analysis Module:												
Vol/Sat:	0.08	0.15	0.03	0.05	0.11	0.11	0.05	0.05	0.05	0.05	0.17	0.16
Crit Moves:		****		****			****				****	
Green Time:	25.8	45.4	45.4	14.9	34.4	34.4	15.8	39.2	39.2	27.5	50.9	50.9
Volume/Cap:	0.43	0.45	0.08	0.45	0.43	0.43	0.45	0.17	0.18	0.25	0.45	0.42
Delay/Veh:	50.6	37.3	32.4	59.2	44.4	44.4	59.2	37.6	37.9	47.5	33.7	33.5
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	50.6	37.3	32.4	59.2	44.4	44.4	59.2	37.6	37.9	47.5	33.7	33.5
LOS by Move:	D	D+	C-	E+	D	D	E+	D+	D+	D	C-	C-
HCM2k95thQ:	287	436	71	204	349	349	213	140	154	172	464	431

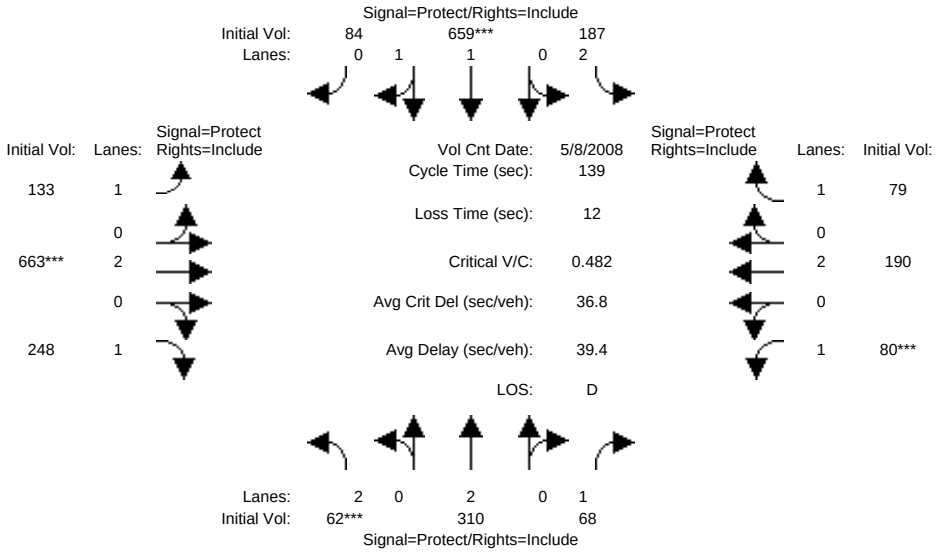
Note: Queue reported is the distance per lane in feet.

Copyright (c) 2008 Dowling Associates, Inc. Licensed to TJKM, PLEASANTON, CA

City of San Jose
Citywide Traffix Database
(updated July 2, 2014)

Level Of Service Computation Report
2000 HCM Operations (Future Volume Alternative)
Existing plus Project (PM)

Intersection # 3 (City ID 3623): KING ROAD/MABURY ROAD



Street Name:	KING ROAD						MABURY ROAD					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L -	T -	R	L -	T -	R	L -	T -	R	L -	T -	R
Min. Green:	7	10	10	7	10	10	7	10	10	7	10	10
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Volume Module: >> Count Date: 8 May 2008 << 4:45-5:45PM												
Base Vol:	62	308	68	186	657	83	132	663	248	80	190	78
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	62	308	68	186	657	83	132	663	248	80	190	78
Added Vol:	0	2	0	1	2	1	1	0	0	0	0	1
ATI:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	62	310	68	187	659	84	133	663	248	80	190	79
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	62	310	68	187	659	84	133	663	248	80	190	79
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	62	310	68	187	659	84	133	663	248	80	190	79
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	62	310	68	187	659	84	133	663	248	80	190	79
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.83	1.00	0.92	0.83	0.98	0.95	0.92	1.00	0.92	0.92	1.00	0.92
Lanes:	2.00	2.00	1.00	2.00	1.77	0.23	1.00	2.00	1.00	1.00	2.00	1.00
Final Sat.:	3150	3800	1750	3150	3281	418	1750	3800	1750	1750	3800	1750
Capacity Analysis Module:												
Vol/Sat:	0.02	0.08	0.04	0.06	0.20	0.20	0.08	0.17	0.14	0.05	0.05	0.05
Crit Moves:	****				****			****		****		
Green Time:	7.0	37.2	37.2	27.1	57.2	57.2	32.2	49.7	49.7	13.0	30.5	30.5
Volume/Cap:	0.39	0.30	0.15	0.30	0.49	0.49	0.33	0.49	0.40	0.49	0.23	0.21
Delay/Veh:	71.0	41.4	39.5	49.2	31.2	31.2	46.5	36.0	35.3	69.8	45.2	45.5
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	71.0	41.4	39.5	49.2	31.2	31.2	46.5	36.0	35.3	69.8	45.2	45.5
LOS by Move:	E	D	D	D	C	C	D	D+	D+	E	D	D
HCM2k95thQ:	113	254	130	212	499	499	251	466	376	208	175	160

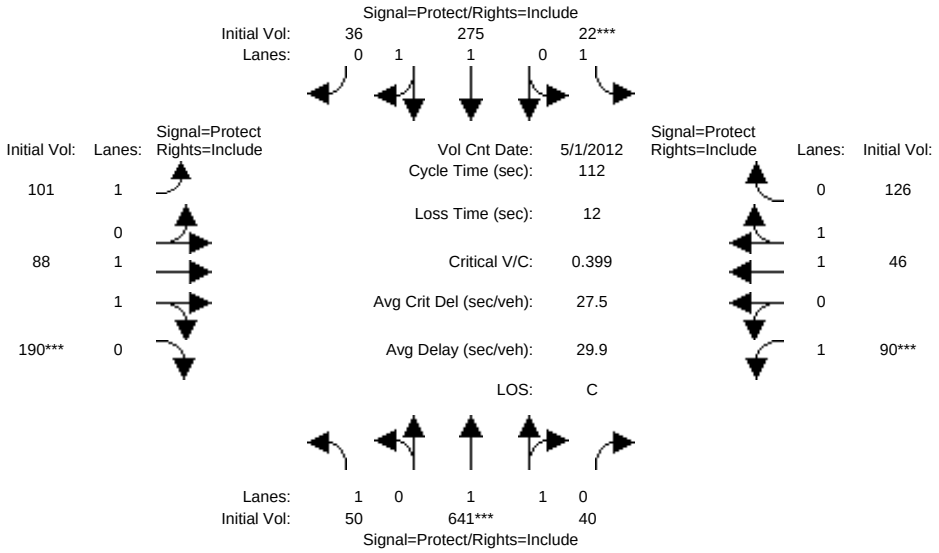
Note: Queue reported is the distance per lane in feet.

Copyright (c) 2008 Dowling Associates, Inc. Licensed to TJKM, PLEASANTON, CA

City of San Jose
Citywide Traffix Database
(updated July 2, 2014)

Level Of Service Computation Report
2000 HCM Operations (Future Volume Alternative)
Existing plus Project (AM)

Intersection # 4 (City ID 3661): LUNDY AVENUE/SIERRA ROAD



Street Name:	LUNDY AVENUE						SIERRA ROAD					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L -	T -	R	L -	T -	R	L -	T -	R	L -	T -	R
Min. Green:	7	10	10	7	10	10	7	10	10	7	10	10
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Volume Module: >> Count Date: 1 May 2012 << 7:30-8:30AM												
Base Vol:	49	638	39	22	271	36	101	88	189	89	46	126
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	49	638	39	22	271	36	101	88	189	89	46	126
Added Vol:	1	3	1	0	4	0	0	0	1	1	0	0
ATI:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	50	641	40	22	275	36	101	88	190	90	46	126
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	50	641	40	22	275	36	101	88	190	90	46	126
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	50	641	40	22	275	36	101	88	190	90	46	126
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	50	641	40	22	275	36	101	88	190	90	46	126
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.92	0.98	0.95	0.92	0.98	0.95	0.92	1.00	0.92	0.92	1.00	0.92
Lanes:	1.00	1.88	0.12	1.00	1.76	0.24	1.00	1.00	1.00	1.00	1.00	1.00
Final Sat.:	1750	3483	217	1750	3271	428	1750	1900	1750	1750	1900	1750
Capacity Analysis Module:												
Vol/Sat:	0.03	0.18	0.18	0.01	0.08	0.08	0.06	0.05	0.11	0.05	0.02	0.07
Crit Moves:		****		****					****	****		
Green Time:	23.4	49.8	49.8	7.0	33.4	33.4	17.8	29.3	29.3	13.9	25.4	25.4
Volume/Cap:	0.14	0.41	0.41	0.20	0.28	0.28	0.36	0.18	0.41	0.41	0.11	0.32
Delay/Veh:	36.3	21.4	21.4	50.8	30.3	30.3	42.8	32.0	34.6	46.6	34.3	36.4
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	36.3	21.4	21.4	50.8	30.3	30.3	42.8	32.0	34.6	46.6	34.3	36.4
LOS by Move:	D+	C+	C+	D	C	C	D	C-	C-	D	C-	D+
HCM2k95thQ:	79	382	382	49	207	207	179	118	290	174	64	198

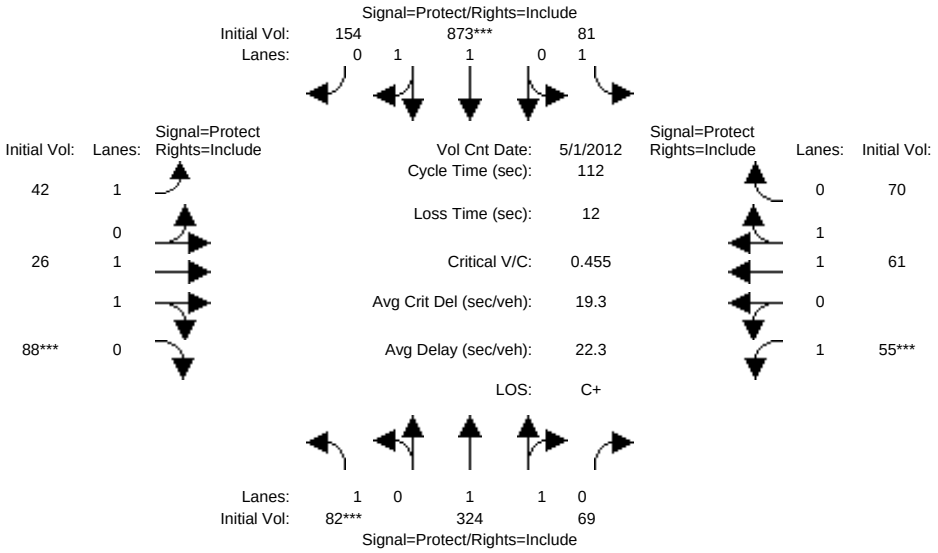
Note: Queue reported is the distance per lane in feet.

Copyright (c) 2008 Dowling Associates, Inc. Licensed to TJKM, PLEASANTON, CA

City of San Jose
Citywide Traffix Database
(updated July 2, 2014)

Level Of Service Computation Report
2000 HCM Operations (Future Volume Alternative)
Existing plus Project (PM)

Intersection # 4 (City ID 3661): LUNDY AVENUE/SIERRA ROAD



Street Name:	LUNDY AVENUE						SIERRA ROAD					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L -	T -	R	L -	T -	R	L -	T -	R	L -	T -	R
Min. Green:	7	10	10	7	10	10	7	10	10	7	10	10
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Volume Module: >> Count Date: 1 May 2012 << 5:00-6:00PM												
Base Vol:	82	323	69	81	872	154	42	26	88	55	61	70
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	82	323	69	81	872	154	42	26	88	55	61	70
Added Vol:	0	1	0	0	1	0	0	0	0	0	0	0
ATI:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	82	324	69	81	873	154	42	26	88	55	61	70
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	82	324	69	81	873	154	42	26	88	55	61	70
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	82	324	69	81	873	154	42	26	88	55	61	70
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	82	324	69	81	873	154	42	26	88	55	61	70
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.92	0.98	0.95	0.92	0.98	0.95	0.92	1.00	0.92	0.92	1.00	0.92
Lanes:	1.00	1.64	0.36	1.00	1.69	0.31	1.00	1.00	1.00	1.00	1.00	1.00
Final Sat.:	1750	3050	650	1750	3145	555	1750	1900	1750	1750	1900	1750
Capacity Analysis Module:												
Vol/Sat:	0.05	0.11	0.11	0.05	0.28	0.28	0.02	0.01	0.05	0.03	0.03	0.04
Crit Moves:	****				****				****	****		
Green Time:	11.5	50.3	50.3	29.6	68.3	68.3	8.3	12.4	12.4	7.7	11.8	11.8
Volume/Cap:	0.45	0.24	0.24	0.18	0.45	0.45	0.32	0.12	0.45	0.45	0.30	0.38
Delay/Veh:	49.1	19.1	19.1	32.0	11.9	11.9	50.7	45.0	48.0	52.8	46.7	47.4
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	49.1	19.1	19.1	32.0	11.9	11.9	50.7	45.0	48.0	52.8	46.7	47.4
LOS by Move:	D	B-	B-	C	B+	B+	D	D	D	D-	D	D
HCM2k95thQ:	169	206	206	118	448	448	92	45	178	129	111	140

Note: Queue reported is the distance per lane in feet.

Copyright (c) 2008 Dowling Associates, Inc. Licensed to TJKM, PLEASANTON, CA

Appendix D – Approved Trip Inventory and Background Conditions Intersections Level of Service Worksheets

AM APPROVED TRIPS

09/02/2015

Intersection of: BERRYESSA/LUNDY

Traffix Node Number: 3076

Permit No. / Description / Location	M09 NBL	M08 NBT	M07 NBR	M03 SBL	M02 SBT	M01 SBR	M12 EBL	M11 EBT	M10 EBR	M06 WBL	M05 WBT	M04 WBR
NSJ NORTH SAN JOSE	10	27	2	0	0	0	1	3	0	1	10	2
PDC03-093 SJ REGIONAL MEDICAL CENTER MCKEE RD AND N JACKSON AV	0	1	0	0	2	0	0	0	0	0	0	0
PDC03-108 OFF BERRYESSA FLEA MKT (OFFICE) BOTH SIDES OF BERRYESSA RD WEST OF UNION PACIFIC	36	0	1	0	2	12	2	6	5	6	46	0
PDC03-108 RES BERRYESSA FLEA MKT (RESIDENTIAL) BOTH SIDES OF BERRYESSA, WEST OF UNION PACIFIC RR	95	12	22	0	7	45	83	144	175	12	78	0
PDC03-108 RET BERRYESSA FLEA MKT (RETAIL) BOTH SIDES OF BERRYESSA, WEST OF UNION PACIFIC RR	13	1	0	0	2	7	3	6	6	0	13	0
PDC07-015 RES KING AND DOBBIN NE/C OF KING RD AND DOBBIN DR	91	11	46	0	6	0	0	0	41	25	0	0
PDC07-015 RET KING AND DOBBIN NE/C OF KING RD AND DOBBIN DR	0	1	0	0	2	0	0	0	0	0	0	0
PRE05-430 COMM PEPPER LANE S/W CORNER BERRYESSA RD & JACKSON AVE	0	0	0	8	0	0	0	0	0	0	0	7
PRE05-430 RES PEPPER LANE SW/C OF BERRYESSA AND JACKSON	0	0	0	0	0	0	0	21	0	0	40	0
TOTAL:	**245**	**53**	**71**	**8**	**21**	**64**	**89**	**180**	**227**	**44**	**187**	**9**

	LEFT	THRU	RIGHT
NORTH	8	21	64
EAST	44	187	9
SOUTH	245	53	71
WEST	89	180	227

Intersection of: BERRYESSA/LUNDY

Traffix Node Number: 3076

Permit No. / Description / Location	M09 NBL	M08 NBT	M07 NBR	M03 SBL	M02 SBT	M01 SBR	M12 EBL	M11 EBT	M10 EBR	M06 WBL	M05 WBT	M04 WBR
NSJ NORTH SAN JOSE	2	6	4	11	24	8	0	5	1	5	11	3
PDC03-093 SJ REGIONAL MEDICAL CENTER MCKEE RD AND N JACKSON AV	0	2	0	0	1	0	0	0	0	0	0	0
PDC03-108 OFF BERRYESSA FLEA MKT (OFFICE) BOTH SIDES OF BERRYESSA RD WEST OF UNION PACIFIC	6	2	5	0	0	2	11	40	32	1	8	0
PDC03-108 RES BERRYESSA FLEA MKT (RESIDENTIAL) BOTH SIDES OF BERRYESSA, WEST OF UNION PACIFIC RR	172	6	11	0	12	82	43	75	91	21	141	0
PDC03-108 RET BERRYESSA FLEA MKT (RETAIL) BOTH SIDES OF BERRYESSA, WEST OF UNION PACIFIC RR	42	7	0	0	7	21	21	42	42	0	42	0
PDC07-015 RES KING AND DOBBIN NE/C OF KING RD AND DOBBIN DR	47	6	25	0	11	0	0	0	76	46	0	0
PDC07-015 RET KING AND DOBBIN NE/C OF KING RD AND DOBBIN DR	0	5	1	0	5	0	0	0	0	0	0	0
PRE05-430 COMM PEPPER LANE S/W CORNER BERRYESSA RD & JACKSON AVE	0	0	0	13	0	0	0	0	0	0	0	8
PRE05-430 RES PEPPER LANE SW/C OF BERRYESSA AND JACKSON	0	0	0	0	0	0	0	38	0	0	20	0
TOTAL:	**269**	**34**	**46**	**24**	**60**	**113**	**75**	**200**	**242**	**73**	**222**	**11**

	LEFT	THRU	RIGHT
NORTH	24	60	113
EAST	73	222	11
SOUTH	269	34	46
WEST	75	200	242

AM APPROVED TRIPS

09/02/2015

Intersection of: BERRYESSA/FLICKINGER

Traffix Node Number: 3295

Permit No. / Description / Location	M09 NBL	M08 NBT	M07 NBR	M03 SBL	M02 SBT	M01 SBR	M12 EBL	M11 EBT	M10 EBR	M06 WBL	M05 WBT	M04 WBR
NSJ NORTH SAN JOSE	2	4	3	0	0	0	0	4	0	1	10	1
PDC03-093 SJ REGIONAL MEDICAL CENTER MCKEE RD AND N JACKSON AV	0	1	0	0	2	0	0	0	0	0	0	0
PDC03-108 OFF BERRYESSA FLEA MKT (OFFICE) BOTH SIDES OF BERRYESSA RD WEST OF UNION PACIFIC	6	0	0	0	1	4	1	6	1	2	41	0
PDC03-108 RES BERRYESSA FLEA MKT (RESIDENTIAL) BOTH SIDES OF BERRYESSA, WEST OF UNION PACIFIC RR	9	3	5	0	1	7	14	131	16	3	71	0
PDC03-108 RET BERRYESSA FLEA MKT (RETAIL) BOTH SIDES OF BERRYESSA, WEST OF UNION PACIFIC RR	3	1	0	0	2	5	2	0	1	0	0	0
PDC07-015 RES KING AND DOBBIN NE/C OF KING RD AND DOBBIN DR	0	2	0	0	1	0	0	46	0	0	25	0
PDC07-015 RET KING AND DOBBIN NE/C OF KING RD AND DOBBIN DR	0	1	0	0	2	0	0	0	0	0	0	0
PRE05-430 COMM PEPPER LANE S/W CORNER BERRYESSA RD & JACKSON AVE	7	7	0	8	0	0	0	8	0	0	0	0
PRE05-430 RES PEPPER LANE SW/C OF BERRYESSA AND JACKSON	40	32	0	8	8	0	0	10	10	0	0	0
TOTAL:	**67**	**51**	**8**	**16**	**17**	**16**	**17**	**205**	**28**	**6**	**147**	**1**

	LEFT	THRU	RIGHT
NORTH	16	17	16
EAST	6	147	1
SOUTH	67	51	8
WEST	17	205	28

Intersection of: BERRYESSA/FLICKINGER

Traffix Node Number: 3295

Permit No. / Description / Location	M09 NBL	M08 NBT	M07 NBR	M03 SBL	M02 SBT	M01 SBR	M12 EBL	M11 EBT	M10 EBR	M06 WBL	M05 WBT	M04 WBR
NSJ NORTH SAN JOSE	1	1	1	6	8	0	0	9	1	2	7	2
PDC03-093 SJ REGIONAL MEDICAL CENTER MCKEE RD AND N JACKSON AV	0	2	0	0	1	0	0	0	0	0	0	0
PDC03-108 OFF BERRYESSA FLEA MKT (OFFICE) BOTH SIDES OF BERRYESSA RD WEST OF UNION PACIFIC	1	1	1	0	0	1	3	36	6	0	7	0
PDC03-108 RES BERRYESSA FLEA MKT (RESIDENTIAL) BOTH SIDES OF BERRYESSA, WEST OF UNION PACIFIC RR	16	1	3	0	3	13	7	68	8	5	129	0
PDC03-108 RET BERRYESSA FLEA MKT (RETAIL) BOTH SIDES OF BERRYESSA, WEST OF UNION PACIFIC RR	10	5	0	0	5	16	16	0	10	0	0	0
PDC07-015 RES KING AND DOBBIN NE/C OF KING RD AND DOBBIN DR	0	1	0	0	2	0	0	25	0	0	46	0
PDC07-015 RET KING AND DOBBIN NE/C OF KING RD AND DOBBIN DR	0	4	0	0	5	0	1	0	0	0	0	0
PRE05-430 COMM PEPPER LANE S/W CORNER BERRYESSA RD & JACKSON AVE	8	8	0	13	0	0	0	13	0	0	0	0
PRE05-430 RES PEPPER LANE SW/C OF BERRYESSA AND JACKSON	20	16	0	15	15	0	0	19	19	0	0	0
TOTAL:	**56**	**39**	**5**	**34**	**39**	**30**	**27**	**170**	**44**	**7**	**189**	**2**

	LEFT	THRU	RIGHT
NORTH	34	39	30
EAST	7	189	2
SOUTH	56	39	5
WEST	27	170	44

AM APPROVED TRIPS

09/02/2015

Intersection of: KING/MABURY

Traffix Node Number: 3623

Permit No. / Description / Location	M09 NBL	M08 NBT	M07 NBR	M03 SBL	M02 SBT	M01 SBR	M12 EBL	M11 EBT	M10 EBR	M06 WBL	M05 WBT	M04 WBR
DOWNTOWN DOWNTOWN STRATEGY PLAN 2000 DOWNTOWN CORE	0	0	0	0	0	0	0	0	0	0	0	0
NSJ NORTH SAN JOSE	10	22	2	0	0	0	5	11	6	0	5	1
PDA97-01-004 SJ MED CENTR MCKEE RD & JACKSON AV (SW/C)	0	0	0	0	0	0	0	0	0	0	0	0
PDC03-093 SJ REGIONAL MEDICAL CENTER MCKEE RD AND N JACKSON AV	0	1	0	0	2	0	0	0	0	0	0	0
PDC03-108 OFF BERRYESSA FLEA MKT (OFFICE) BOTH SIDES OF BERRYESSA RD WEST OF UNION PACIFIC	14	30	0	1	4	8	1	1	2	0	10	5
PDC03-108 RES BERRYESSA FLEA MKT (RESIDENTIAL) BOTH SIDES OF BERRYESSA, WEST OF UNION PACIFIC RR	36	81	0	23	150	19	35	29	67	0	16	12
PDC03-108 RET BERRYESSA FLEA MKT (RETAIL) BOTH SIDES OF BERRYESSA, WEST OF UNION PACIFIC RR	3	7	0	1	3	4	2	2	1	0	4	3
PDC07-015 RES KING AND DOBBIN NE/C OF KING RD AND DOBBIN DR	96	148	11	0	73	0	0	0	47	5	0	0
PDC07-015 RET KING AND DOBBIN NE/C OF KING RD AND DOBBIN DR	1	1	2	0	4	0	0	0	2	4	0	0
PP08-024 EDUCATIONAL PARK BRANCH LIBRARY 1776 EDUCATIONAL PARK DRIVE (INDEPENDENCE HIGH	0	0	0	0	0	0	0	0	0	0	0	0

TOTAL:	**160**	**290**	**15**	**25**	**236**	**31**	**43**	**43**	**125**	**9**	**35**	**21**

	LEFT	THRU	RIGHT
NORTH	25	236	31
EAST	9	35	21
SOUTH	160	290	15
WEST	43	43	125

PM APPROVED TRIPS

09/02/2015

Intersection of: KING/MABURY

Traffix Node Number: 3623

Permit No. / Description / Location	M09 NBL	M08 NBT	M07 NBR	M03 SBL	M02 SBT	M01 SBR	M12 EBL	M11 EBT	M10 EBR	M06 WBL	M05 WBT	M04 WBR
DOWNTOWN DOWNTOWN STRATEGY PLAN 2000 DOWNTOWN CORE	2	6	0	1	13	5	3	15	3	1	4	1
NSJ NORTH SAN JOSE	3	11	1	9	20	2	1	6	1	1	5	2
PDA97-01-004 SJ MED CENTR MCKEE RD & JACKSON AV (SW/C)	0	0	0	0	0	0	0	0	0	0	0	0
PDC03-093 SJ REGIONAL MEDICAL CENTER MCKEE RD AND N JACKSON AV	0	2	0	0	1	0	0	0	0	0	0	0
PDC03-108 OFF BERRYESSA FLEA MKT (OFFICE) BOTH SIDES OF BERRYESSA RD WEST OF UNION PACIFIC	2	5	0	5	26	1	7	9	12	0	2	1
PDC03-108 RES BERRYESSA FLEA MKT (RESIDENTIAL) BOTH SIDES OF BERRYESSA, WEST OF UNION PACIFIC RR	66	147	0	12	78	35	18	15	35	0	28	22
PDC03-108 RET BERRYESSA FLEA MKT (RETAIL) BOTH SIDES OF BERRYESSA, WEST OF UNION PACIFIC RR	10	23	0	9	23	12	12	13	10	0	13	9
PDC07-015 RES KING AND DOBBIN NE/C OF KING RD AND DOBBIN DR	50	79	6	0	136	0	0	0	88	9	0	0
PDC07-015 RET KING AND DOBBIN NE/C OF KING RD AND DOBBIN DR	4	6	11	0	8	0	0	0	4	8	0	0

Intersection of: KING/MABURY

Traffix Node Number: 3623

Permit No. / Description / Location	M09 NBL	M08 NBT	M07 NBR	M03 SBL	M02 SBT	M01 SBR	M12 EBL	M11 EBT	M10 EBR	M06 WBL	M05 WBT	M04 WBR
PP08-024 EDUCATIONAL PARK BRANCH LIBRARY 1776 EDUCATIONAL PARK DRIVE (INDEPENDENCE HIGH	0	0	0	12	0	0	0	3	0	0	3	12
TOTAL:	**137**	**279**	**18**	**48**	**305**	**55**	**41**	**61**	**153**	**19**	**55**	**47**

	LEFT	THRU	RIGHT
NORTH	48	305	55
EAST	19	55	47
SOUTH	137	279	18
WEST	41	61	153

AM APPROVED TRIPS

09/02/2015

Intersection of: LUNDY/SIERRA

Traffix Node Number: 3661

Permit No. / Description / Location	M09 NBL	M08 NBT	M07 NBR	M03 SBL	M02 SBT	M01 SBR	M12 EBL	M11 EBT	M10 EBR	M06 WBL	M05 WBT	M04 WBR
NSJ NORTH SAN JOSE	3	39	1	0	8	0	2	2	3	0	0	0
PDC03-108 OFF BERRYESSA FLEA MKT (OFFICE) BOTH SIDES OF BERRYESSA RD WEST OF UNION PACIFIC	0	2	0	0	14	10	1	0	0	0	3	0
PDC03-108 RES BERRYESSA FLEA MKT (RESIDENTIAL) BOTH SIDES OF BERRYESSA, WEST OF UNION PACIFIC RR	0	90	5	0	49	30	56	13	0	3	7	0
PDC03-108 RET BERRYESSA FLEA MKT (RETAIL) BOTH SIDES OF BERRYESSA, WEST OF UNION PACIFIC RR	0	1	2	0	3	1	0	1	0	6	3	0
TOTAL:	**3**	**132**	**8**	**0**	**74**	**41**	**59**	**16**	**3**	**9**	**13**	**0**

	LEFT	THRU	RIGHT
NORTH	0	74	41
EAST	9	13	0
SOUTH	3	132	8
WEST	59	16	3

Intersection of: LUNDY/SIERRA

Traffix Node Number: 3661

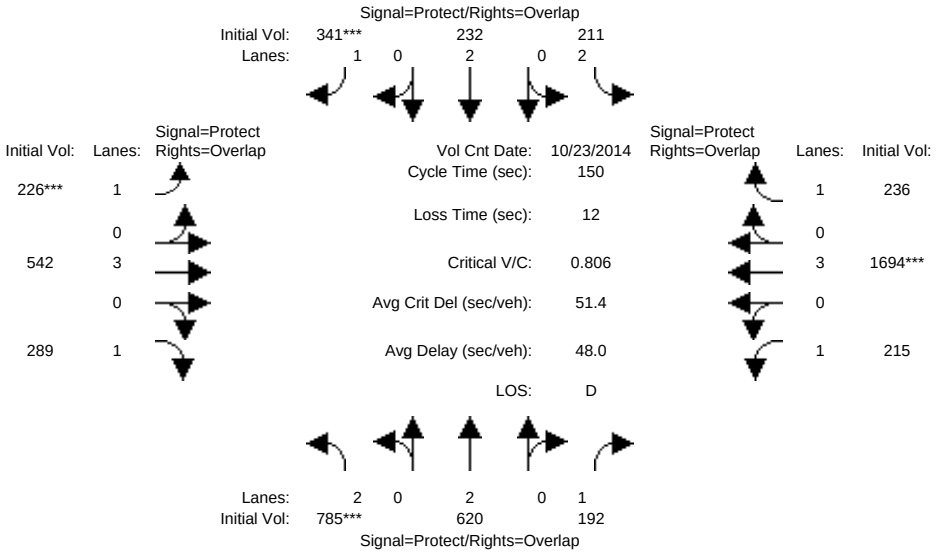
Permit No. / Description / Location	M09 NBL	M08 NBT	M07 NBR	M03 SBL	M02 SBT	M01 SBR	M12 EBL	M11 EBT	M10 EBR	M06 WBL	M05 WBT	M04 WBR
NSJ NORTH SAN JOSE	3	14	2	5	46	3	4	1	6	0	0	0
PDC03-108 OFF BERRYESSA FLEA MKT (OFFICE) BOTH SIDES OF BERRYESSA RD WEST OF UNION PACIFIC	0	13	0	0	3	2	9	3	0	0	1	0
PDC03-108 RES BERRYESSA FLEA MKT (RESIDENTIAL) BOTH SIDES OF BERRYESSA, WEST OF UNION PACIFIC RR	0	47	3	0	88	55	29	7	0	5	13	0
PDC03-108 RET BERRYESSA FLEA MKT (RETAIL) BOTH SIDES OF BERRYESSA, WEST OF UNION PACIFIC RR	0	11	18	0	11	3	3	10	0	18	10	0
TOTAL:	**3**	**85**	**23**	**5**	**148**	**63**	**45**	**21**	**6**	**23**	**24**	**0**

	LEFT	THRU	RIGHT
NORTH	5	148	63
EAST	23	24	0
SOUTH	3	85	23
WEST	45	21	6

City of San Jose
Citywide Traffix Database
(updated July 2, 2014)

Level Of Service Computation Report
2000 HCM Operations (Future Volume Alternative)
Background (AM)

Intersection # 1 (City ID 3076): BERRYESSA ROAD/LUNDY AVENUE



Street Name:	LUNDY AVENUE						BERRYESSA ROAD					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L -	T -	R	L -	T -	R	L -	T -	R	L -	T -	R
Min. Green:	7	10	10	7	10	10	7	10	10	7	10	10
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Volume Module: >> Count Date: 23 Oct 2014 << 7:35-8:35AM												
Base Vol:	540	567	121	203	211	277	137	362	62	171	1507	227
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	540	567	121	203	211	277	137	362	62	171	1507	227
Added Vol:	0	0	0	0	0	0	0	0	0	0	0	0
ATI:	245	53	71	8	21	64	89	180	227	44	187	9
Initial Fut:	785	620	192	211	232	341	226	542	289	215	1694	236
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	785	620	192	211	232	341	226	542	289	215	1694	236
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	785	620	192	211	232	341	226	542	289	215	1694	236
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	785	620	192	211	232	341	226	542	289	215	1694	236
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.83	1.00	0.92	0.83	1.00	0.92	0.92	1.00	0.92	0.92	1.00	0.92
Lanes:	2.00	2.00	1.00	2.00	2.00	1.00	1.00	3.00	1.00	1.00	3.00	1.00
Final Sat.:	3150	3800	1750	3150	3800	1750	1750	5700	1750	1750	5700	1750
Capacity Analysis Module:												
Vol/Sat:	0.25	0.16	0.11	0.07	0.06	0.19	0.13	0.10	0.17	0.12	0.30	0.13
Crit Moves:	****					****	****				****	
Green Time:	46.4	41.6	86.3	17.1	12.2	36.3	24.0	34.6	81.0	44.7	55.3	72.4
Volume/Cap:	0.81	0.59	0.19	0.59	0.75	0.81	0.81	0.41	0.31	0.41	0.81	0.28
Delay/Veh:	52.7	47.7	15.3	65.7	77.1	64.4	76.3	49.2	19.2	42.6	44.9	23.4
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	52.7	47.7	15.3	65.7	77.1	64.4	76.3	49.2	19.2	42.6	44.9	23.4
LOS by Move:	D-	D	B	E	E-	E	E-	D	B-	D	D	C
HCM2k95thQ:	904	563	216	304	325	765	575	337	361	397	1016	324

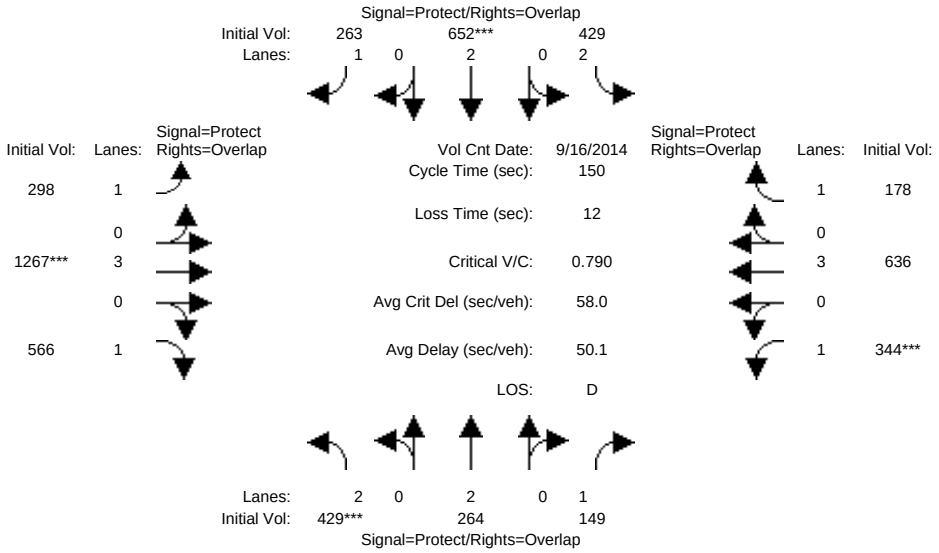
Note: Queue reported is the distance per lane in feet.

Copyright (c) 2008 Dowling Associates, Inc. Licensed to TJKM, PLEASANTON, CA

City of San Jose
Citywide Traffix Database
(updated July 2, 2014)

Level Of Service Computation Report
2000 HCM Operations (Future Volume Alternative)
Background (PM)

Intersection# 1 (City ID 3076): BERRYESSA ROAD/LUNDY AVENUE



Street Name:	LUNDY AVENUE						BERRYESSA ROAD					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L -	T -	R	L -	T -	R	L -	T -	R	L -	T -	R
Min. Green:	7	10	10	7	10	10	7	10	10	7	10	10
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Volume Module: >> Count Date: 16 Sep 2014 << 4:40-5:40PM												
Base Vol:	160	230	103	405	592	150	223	1067	324	271	414	167
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	160	230	103	405	592	150	223	1067	324	271	414	167
Added Vol:	0	0	0	0	0	0	0	0	0	0	0	0
ATI:	269	34	46	24	60	113	75	200	242	73	222	11
Initial Fut:	429	264	149	429	652	263	298	1267	566	344	636	178
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	429	264	149	429	652	263	298	1267	566	344	636	178
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	429	264	149	429	652	263	298	1267	566	344	636	178
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	429	264	149	429	652	263	298	1267	566	344	636	178
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.83	1.00	0.92	0.83	1.00	0.92	0.92	1.00	0.92	0.92	1.00	0.92
Lanes:	2.00	2.00	1.00	2.00	2.00	1.00	1.00	3.00	1.00	1.00	3.00	1.00
Final Sat.:	3150	3800	1750	3150	3800	1750	1750	5700	1750	1750	5700	1750
Capacity Analysis Module:												
Vol/Sat:	0.14	0.07	0.09	0.14	0.17	0.15	0.17	0.22	0.32	0.20	0.11	0.10
Crit Moves:	****				****			****		****		
Green Time:	25.9	19.7	57.1	38.7	32.6	80.6	48.1	42.2	68.1	37.3	31.5	70.2
Volume/Cap:	0.79	0.53	0.22	0.53	0.79	0.28	0.53	0.79	0.71	0.79	0.53	0.22
Delay/Veh:	67.1	61.8	31.6	48.4	60.6	19.0	42.7	52.5	36.1	62.1	53.2	23.8
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	67.1	61.8	31.6	48.4	60.6	19.0	42.7	52.5	36.1	62.1	53.2	23.8
LOS by Move:	E	E	C	D	E	B-	D	D-	D+	E	D-	C
HCM2k95thQ:	588	297	238	475	691	328	548	824	958	758	417	246

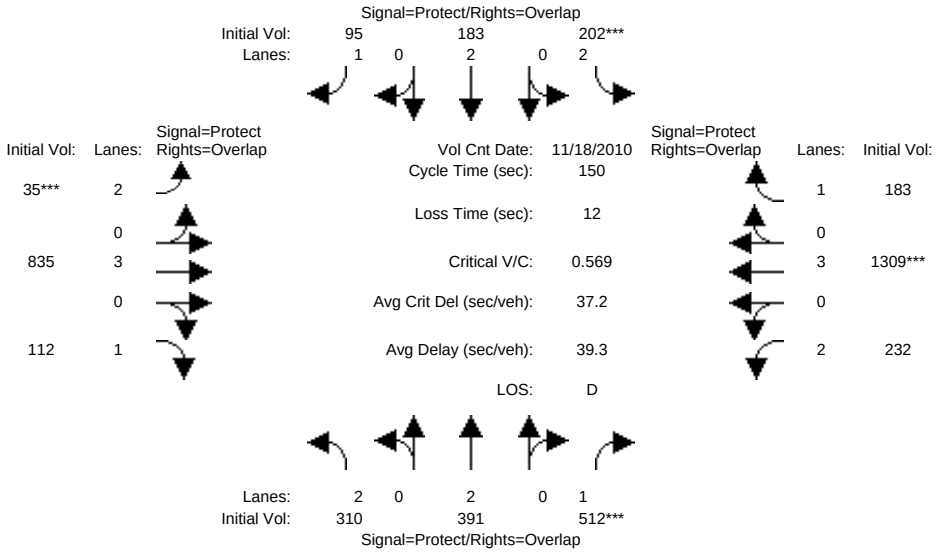
Note: Queue reported is the distance per lane in feet.

Copyright (c) 2008 Dowling Associates, Inc. Licensed to TJKM, PLEASANTON, CA

City of San Jose
Citywide Traffix Database
(updated July 2, 2014)

Level Of Service Computation Report
2000 HCM Operations (Future Volume Alternative)
Background (AM)

Intersection # 2 (City ID 3295): BERRYESSA ROAD/FLICKINGER AVENUE



Street Name:	FLICKINGER AVENUE						BERRYESSA ROAD					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L -	T -	R	L -	T -	R	L -	T -	R	L -	T -	R
Min. Green:	7	10	10	7	10	10	7	10	10	7	10	10
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Volume Module: >> Count Date: 18 Nov 2010 << 730-830AM												
Base Vol:	243	340	504	186	166	79	18	630	84	226	1162	182
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	243	340	504	186	166	79	18	630	84	226	1162	182
Added Vol:	0	0	0	0	0	0	0	0	0	0	0	0
ATI:	67	51	8	16	17	16	17	205	28	6	147	1
Initial Fut:	310	391	512	202	183	95	35	835	112	232	1309	183
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	310	391	512	202	183	95	35	835	112	232	1309	183
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	310	391	512	202	183	95	35	835	112	232	1309	183
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	310	391	512	202	183	95	35	835	112	232	1309	183
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.83	1.00	0.92	0.83	1.00	0.92	0.83	1.00	0.92	0.83	1.00	0.92
Lanes:	2.00	2.00	1.00	2.00	2.00	1.00	2.00	3.00	1.00	2.00	3.00	1.00
Final Sat.:	3150	3800	1750	3150	3800	1750	3150	5700	1750	3150	5700	1750
Capacity Analysis Module:												
Vol/Sat:	0.10	0.10	0.29	0.06	0.05	0.05	0.01	0.15	0.06	0.07	0.23	0.10
Crit Moves:			****	****			****				****	
Green Time:	43.1	55.9	77.9	16.4	29.2	36.2	7.0	43.7	86.8	22.0	58.7	75.1
Volume/Cap:	0.34	0.28	0.56	0.59	0.25	0.22	0.24	0.50	0.11	0.50	0.59	0.21
Delay/Veh:	42.5	33.0	25.3	66.2	51.3	45.9	69.8	44.4	14.3	59.9	36.5	21.0
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	42.5	33.0	25.3	66.2	51.3	45.9	69.8	44.4	14.3	59.9	36.5	21.0
LOS by Move:	D	C-	C	E	D-	D	E	D	B	E+	D+	C+
HCM2k95thQ:	319	293	737	294	177	186	59	486	122	304	689	239

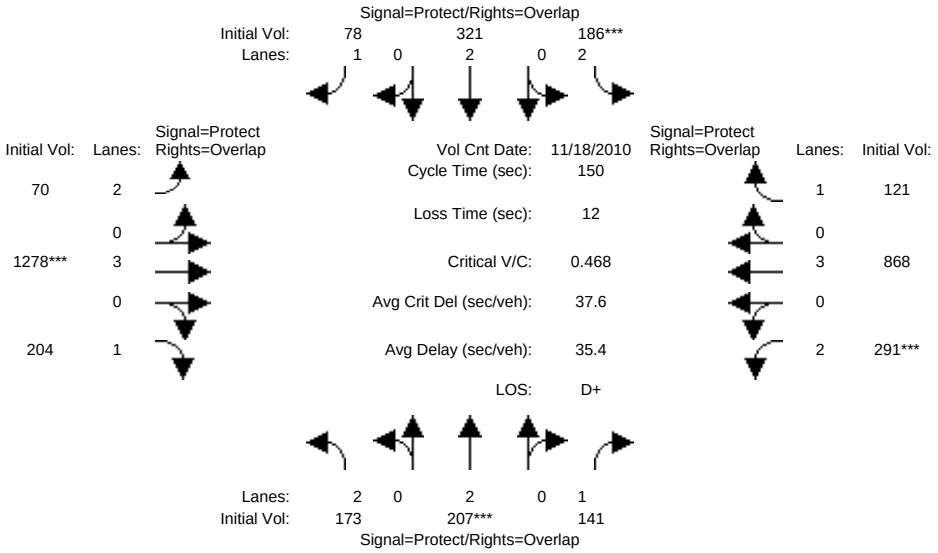
Note: Queue reported is the distance per lane in feet.

Copyright (c) 2008 Dowling Associates, Inc. Licensed to TJKM, PLEASANTON, CA

City of San Jose
Citywide Traffix Database
(updated July 2, 2014)

Level Of Service Computation Report
2000 HCM Operations (Future Volume Alternative)
Background (PM)

Intersection # 2 (City ID 3295): BERRYESSA ROAD/FLICKINGER AVENUE



Street Name:	FLICKINGER AVENUE						BERRYESSA ROAD					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L -	T -	R	L -	T -	R	L -	T -	R	L -	T -	R
Min. Green:	7	10	10	7	10	10	7	10	10	7	10	10
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Volume Module: >> Count Date: 18 Nov 2010 << 445-545PM												
Base Vol:	117	168	136	152	282	48	43	1108	160	284	679	119
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	117	168	136	152	282	48	43	1108	160	284	679	119
Added Vol:	0	0	0	0	0	0	0	0	0	0	0	0
ATI:	56	39	5	34	39	30	27	170	44	7	189	2
Initial Fut:	173	207	141	186	321	78	70	1278	204	291	868	121
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	173	207	141	186	321	78	70	1278	204	291	868	121
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	173	207	141	186	321	78	70	1278	204	291	868	121
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	173	207	141	186	321	78	70	1278	204	291	868	121
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.83	1.00	0.92	0.83	1.00	0.92	0.83	1.00	0.92	0.83	1.00	0.92
Lanes:	2.00	2.00	1.00	2.00	2.00	1.00	2.00	3.00	1.00	2.00	3.00	1.00
Final Sat.:	3150	3800	1750	3150	3800	1750	3150	5700	1750	3150	5700	1750
Capacity Analysis Module:												
Vol/Sat:	0.05	0.05	0.08	0.06	0.08	0.04	0.02	0.22	0.12	0.09	0.15	0.07
Crit Moves:		****		****				****		****		
Green Time:	14.4	17.5	47.1	18.9	22.1	45.9	23.8	71.9	86.3	29.6	77.8	96.7
Volume/Cap:	0.57	0.47	0.26	0.47	0.57	0.15	0.14	0.47	0.20	0.47	0.29	0.11
Delay/Veh:	67.6	62.7	38.6	61.7	61.0	37.9	54.4	26.3	15.4	53.8	20.6	10.2
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	67.6	62.7	38.6	61.7	61.0	37.9	54.4	26.3	15.4	53.8	20.6	10.2
LOS by Move:	E	E	D+	E	E	D+	D-	C	B	D-	C+	B+
HCM2k95thQ:	261	238	249	252	354	138	86	573	230	347	345	112

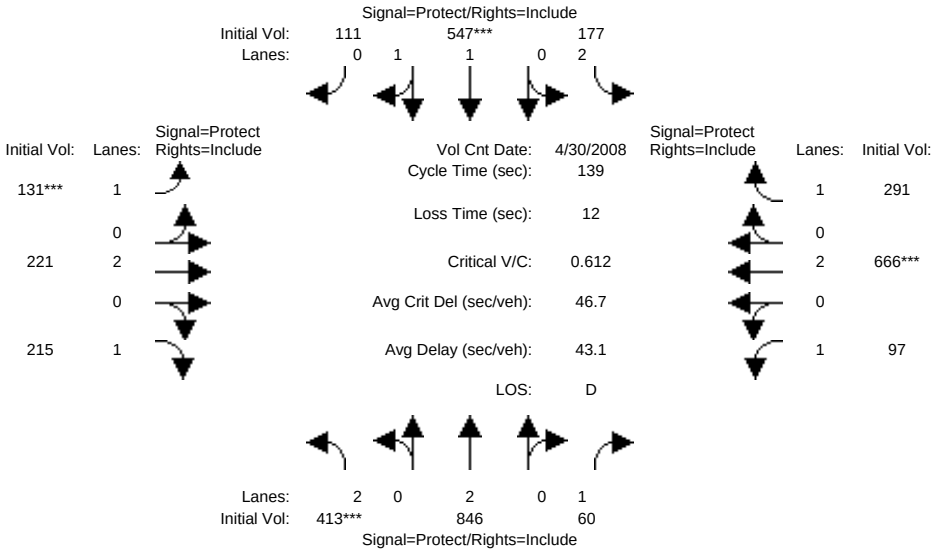
Note: Queue reported is the distance per lane in feet.

Copyright (c) 2008 Dowling Associates, Inc. Licensed to TJKM, PLEASANTON, CA

City of San Jose
Citywide Traffix Database
(updated July 2, 2014)

Level Of Service Computation Report
2000 HCM Operations (Future Volume Alternative)
Background (AM)

Intersection # 3 (City ID 3623): KING ROAD/MABURY ROAD



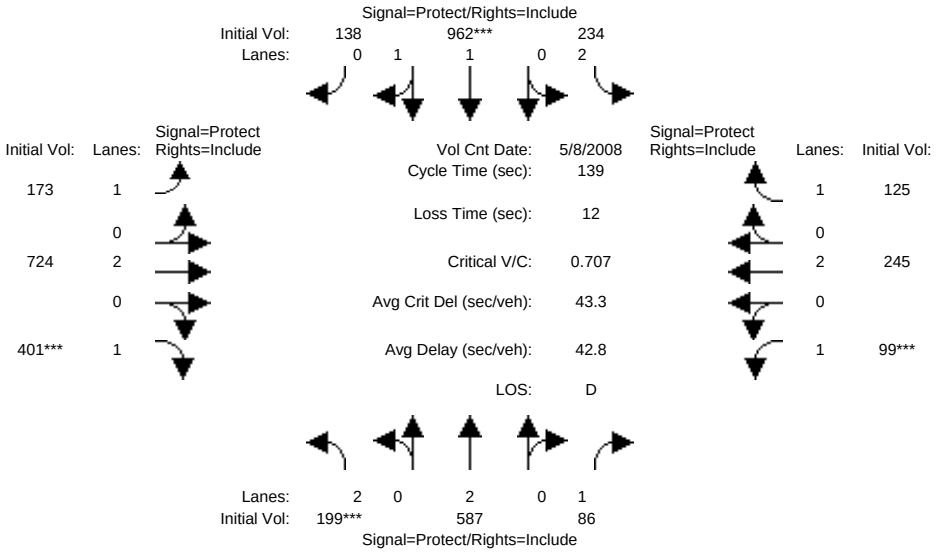

```
Street Name:            KING ROAD                        MABURY ROAD
Approach:      North Bound      South Bound       East Bound       West Bound
Movement:     L  -  T  -  R    L  -  T  -  R    L  -  T  -  R    L  -  T  -  R
------------|---------------||---------------||---------------||---------------|
Min. Green:     7   10    10     7   10    10     7   10    10     7   10    10
Y+R:          4.0  4.0   4.0   4.0  4.0   4.0   4.0  4.0   4.0   4.0  4.0   4.0
------------|---------------||---------------||---------------||---------------|
Volume Module: >> Count Date: 30 Apr 2008 << 7:30-8:30AM
Base Vol:     253  556    45   152  311    80    88  178    90    88  631   270
Growth Adj:  1.00 1.00  1.00  1.00 1.00  1.00  1.00 1.00  1.00  1.00 1.00  1.00
Initial Bse:  253  556    45   152  311    80    88  178    90    88  631   270
Added Vol:      0    0     0     0    0     0     0    0     0     0    0     0
ATI:          160  290    15    25  236    31    43   43   125     9   35    21
Initial Fut:  413  846    60   177  547   111   131  221   215    97  666   291
User Adj:    1.00 1.00  1.00  1.00 1.00  1.00  1.00 1.00  1.00  1.00 1.00  1.00
PHF Adj:     1.00 1.00  1.00  1.00 1.00  1.00  1.00 1.00  1.00  1.00 1.00  1.00
PHF Volume:   413  846    60   177  547   111   131  221   215    97  666   291
Reduct Vol:     0    0     0     0    0     0     0    0     0     0    0     0
Reduced Vol:  413  846    60   177  547   111   131  221   215    97  666   291
PCE Adj:     1.00 1.00  1.00  1.00 1.00  1.00  1.00 1.00  1.00  1.00 1.00  1.00
MLF Adj:     1.00 1.00  1.00  1.00 1.00  1.00  1.00 1.00  1.00  1.00 1.00  1.00
FinalVolume:  413  846    60   177  547   111   131  221   215    97  666   291
------------|---------------||---------------||---------------||---------------|
Saturation Flow Module:
Sat/Lane:    1900 1900  1900  1900 1900  1900  1900 1900  1900  1900 1900  1900
Adjustment:  0.83 1.00  0.92  0.83 0.98  0.95  0.92 1.00  0.92  0.92 1.00  0.92
Lanes:       2.00 2.00  1.00  2.00 1.65  0.35  1.00 2.00  1.00  1.00 2.00  1.00
Final Sat.:  3150 3800  1750  3150 3075   624  1750 3800  1750  1750 3800  1750
------------|---------------||---------------||---------------||---------------|
Capacity Analysis Module:
Vol/Sat:     0.13 0.22  0.03  0.06 0.18  0.18  0.07 0.06  0.12  0.06 0.18  0.17
Crit Moves:  ****                 ****        ****                  ****
Green Time:  29.8 56.0  56.0  14.1 40.4  40.4  17.0 39.2  39.2  17.7 39.8  39.8
Volume/Cap:  0.61 0.55  0.09  0.55 0.61  0.61  0.61 0.21  0.44  0.44 0.61  0.58
Delay/Veh:   51.0 32.3  25.7  61.5 43.6  43.6  63.0 38.2  41.5  57.4 43.9  44.2
User DelAdj: 1.00 1.00  1.00  1.00 1.00  1.00  1.00 1.00  1.00  1.00 1.00  1.00
AdjDel/Veh:  51.0 32.3  25.7  61.5 43.6  43.6  63.0 38.2  41.5  57.4 43.9  44.2
LOS by Move:   D-   C-     C     E    D     D     E   D+     D    E+    D     D
HCM2k95thQ:   468  611    84   246  572   572   317  175   383   221  567   533
Note: Queue reported is the distance per lane in feet.
```


Copyright (c) 2008 Dowling Associates, Inc. Licensed to TJKM, PLEASANTON, CA

City of San Jose
Citywide Traffix Database
(updated July 2, 2014)

Level Of Service Computation Report
2000 HCM Operations (Future Volume Alternative)
Background (PM)

Intersection # 3 (City ID 3623): KING ROAD/MABURY ROAD



Street Name:	KING ROAD						MABURY ROAD					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L -	T -	R	L -	T -	R	L -	T -	R	L -	T -	R
Min. Green:	7	10	10	7	10	10	7	10	10	7	10	10
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Volume Module: >> Count Date: 8 May 2008 << 4:45-5:45PM												
Base Vol:	62	308	68	186	657	83	132	663	248	80	190	78
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	62	308	68	186	657	83	132	663	248	80	190	78
Added Vol:	0	0	0	0	0	0	0	0	0	0	0	0
ATI:	137	279	18	48	305	55	41	61	153	19	55	47
Initial Fut:	199	587	86	234	962	138	173	724	401	99	245	125
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	199	587	86	234	962	138	173	724	401	99	245	125
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	199	587	86	234	962	138	173	724	401	99	245	125
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	199	587	86	234	962	138	173	724	401	99	245	125
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.83	1.00	0.92	0.83	0.98	0.95	0.92	1.00	0.92	0.92	1.00	0.92
Lanes:	2.00	2.00	1.00	2.00	1.74	0.26	1.00	2.00	1.00	1.00	2.00	1.00
Final Sat.:	3150	3800	1750	3150	3235	464	1750	3800	1750	1750	3800	1750
Capacity Analysis Module:												
Vol/Sat:	0.06	0.15	0.05	0.07	0.30	0.30	0.10	0.19	0.23	0.06	0.06	0.07
Crit Moves:	****				****				****	****		
Green Time:	12.4	47.8	47.8	23.0	58.4	58.4	32.5	45.0	45.0	11.1	23.7	23.7
Volume/Cap:	0.71	0.45	0.14	0.45	0.71	0.71	0.42	0.59	0.71	0.71	0.38	0.42
Delay/Veh:	69.5	35.6	31.5	52.9	34.7	34.7	46.0	40.0	45.3	77.7	51.5	52.5
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	69.5	35.6	31.5	52.9	34.7	34.7	46.0	40.0	45.3	77.7	51.5	52.5
LOS by Move:	E	D+	C	D-	C-	C-	D	D	D	E-	D-	D-
HCM2k95thQ:	306	444	134	276	857	857	329	584	735	284	235	262

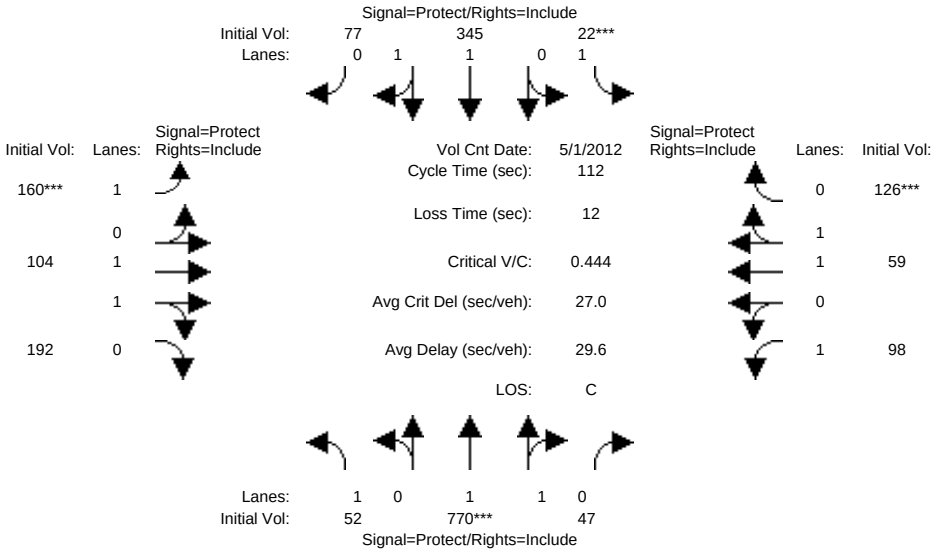
Note: Queue reported is the distance per lane in feet.

Copyright (c) 2008 Dowling Associates, Inc. Licensed to TJKM, PLEASANTON, CA

City of San Jose
Citywide Traffix Database
(updated July 2, 2014)

Level Of Service Computation Report
2000 HCM Operations (Future Volume Alternative)
Background (AM)

Intersection # 4 (City ID 3661): LUNDY AVENUE/SIERRA ROAD



Street Name:	LUNDY AVENUE						SIERRA ROAD					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L -	T -	R	L -	T -	R	L -	T -	R	L -	T -	R
Min. Green:	7	10	10	7	10	10	7	10	10	7	10	10
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Volume Module: >> Count Date: 1 May 2012 << 7:30-8:30AM												
Base Vol:	49	638	39	22	271	36	101	88	189	89	46	126
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	49	638	39	22	271	36	101	88	189	89	46	126
Added Vol:	0	0	0	0	0	0	0	0	0	0	0	0
ATI:	3	132	8	0	74	41	59	16	3	9	13	0
Initial Fut:	52	770	47	22	345	77	160	104	192	98	59	126
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	52	770	47	22	345	77	160	104	192	98	59	126
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	52	770	47	22	345	77	160	104	192	98	59	126
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	52	770	47	22	345	77	160	104	192	98	59	126
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.92	0.98	0.95	0.92	0.98	0.95	0.92	1.00	0.92	0.92	1.00	0.92
Lanes:	1.00	1.88	0.12	1.00	1.62	0.38	1.00	1.00	1.00	1.00	1.00	1.00
Final Sat.:	1750	3487	213	1750	3024	675	1750	1900	1750	1750	1900	1750
Capacity Analysis Module:												
Vol/Sat:	0.03	0.22	0.22	0.01	0.11	0.11	0.09	0.05	0.11	0.06	0.03	0.07
Crit Moves:		****		****			****					****
Green Time:	21.4	53.4	53.4	7.0	39.1	39.1	22.1	25.2	25.2	14.4	17.4	17.4
Volume/Cap:	0.16	0.46	0.46	0.20	0.33	0.33	0.46	0.24	0.49	0.44	0.20	0.46
Delay/Veh:	38.0	19.8	19.8	50.8	27.0	27.0	40.7	35.7	38.4	46.5	41.3	43.9
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	38.0	19.8	19.8	50.8	27.0	27.0	40.7	35.7	38.4	46.5	41.3	43.9
LOS by Move:	D+	B-	B-	D	C	C	D	D+	D+	D	D	D
HCM2k95thQ:	84	445	445	49	264	264	272	149	315	189	94	231

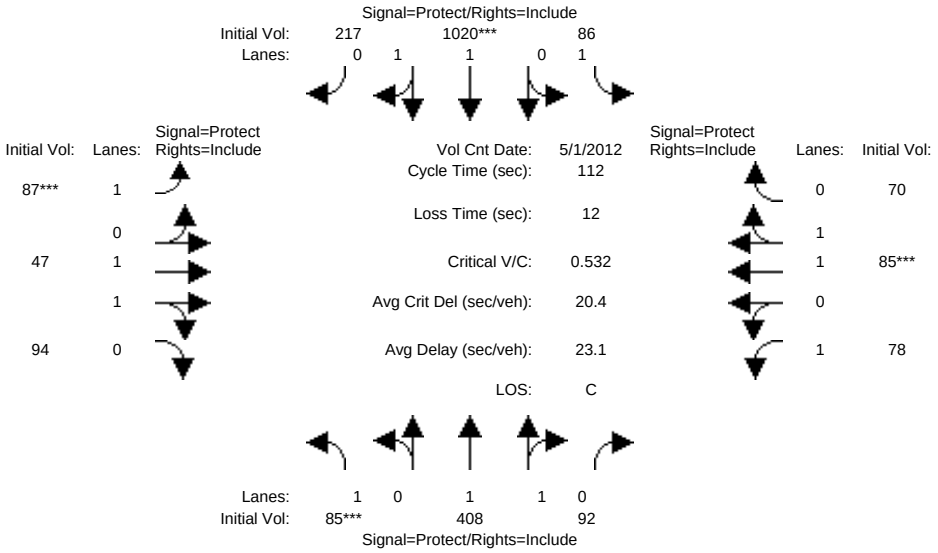
Note: Queue reported is the distance per lane in feet.

Copyright (c) 2008 Dowling Associates, Inc. Licensed to TJKM, PLEASANTON, CA

City of San Jose
Citywide Traffix Database
(updated July 2, 2014)

Level Of Service Computation Report
2000 HCM Operations (Future Volume Alternative)
Background (PM)

Intersection # 4 (City ID 3661): LUNDY AVENUE/SIERRA ROAD



Street Name:	LUNDY AVENUE						SIERRA ROAD					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L -	T -	R	L -	T -	R	L -	T -	R	L -	T -	R
Min. Green:	7	10	10	7	10	10	7	10	10	7	10	10
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Volume Module: >> Count Date: 1 May 2012 << 5:00-6:00PM												
Base Vol:	82	323	69	81	872	154	42	26	88	55	61	70
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	82	323	69	81	872	154	42	26	88	55	61	70
Added Vol:	0	0	0	0	0	0	0	0	0	0	0	0
ATI:	3	85	23	5	148	63	45	21	6	23	24	0
Initial Fut:	85	408	92	86	1020	217	87	47	94	78	85	70
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	85	408	92	86	1020	217	87	47	94	78	85	70
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	85	408	92	86	1020	217	87	47	94	78	85	70
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	85	408	92	86	1020	217	87	47	94	78	85	70
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.92	0.98	0.95	0.92	0.98	0.95	0.92	1.00	0.92	0.92	1.00	0.95
Lanes:	1.00	1.62	0.38	1.00	1.64	0.36	1.00	1.00	1.00	1.00	1.07	0.93
Final Sat.:	1750	3019	681	1750	3050	649	1750	1900	1750	1750	2028	1670
Capacity Analysis Module:												
Vol/Sat:	0.05	0.14	0.14	0.05	0.33	0.33	0.05	0.02	0.05	0.04	0.04	0.04
Crit Moves:	****				****		****				****	
Green Time:	10.1	54.5	54.5	25.2	69.6	69.6	10.3	12.0	12.0	8.4	10.0	10.0
Volume/Cap:	0.54	0.28	0.28	0.22	0.54	0.54	0.54	0.23	0.50	0.60	0.47	0.47
Delay/Veh:	52.4	17.2	17.2	35.7	12.3	12.3	52.1	46.0	48.7	57.5	49.5	49.5
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	52.4	17.2	17.2	35.7	12.3	12.3	52.1	46.0	48.7	57.5	49.5	49.5
LOS by Move:	D-	B	B	D+	B	B	D-	D	D	E+	D	D
HCM2k95thQ:	189	250	250	133	558	558	192	84	195	189	159	159

Note: Queue reported is the distance per lane in feet.

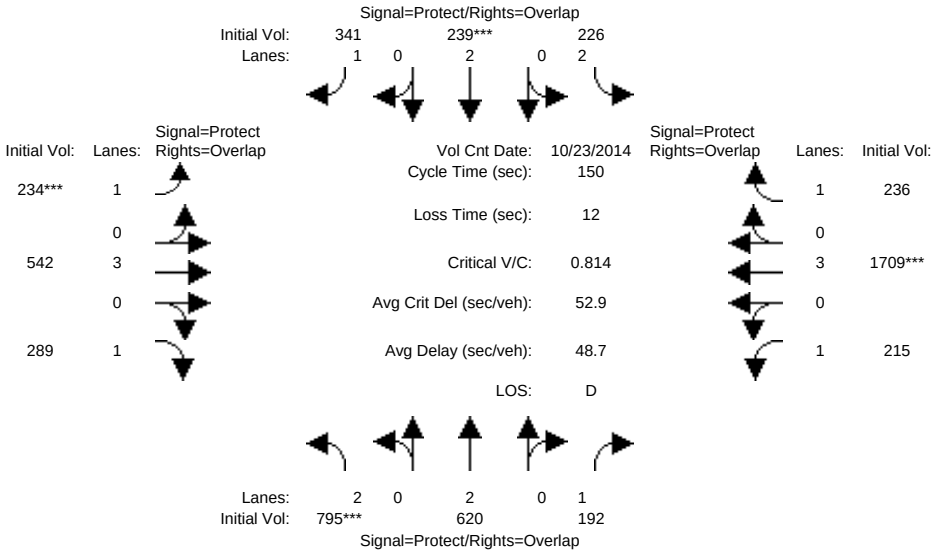
Copyright (c) 2008 Dowling Associates, Inc. Licensed to TJKM, PLEASANTON, CA

Appendix E – Background plus Project Conditions Intersections Level of Service Worksheets

City of San Jose
Citywide Traffix Database
(updated July 2, 2014)

Level Of Service Computation Report
2000 HCM Operations (Future Volume Alternative)
Background plus Project (AM)

Intersection # 1 (City ID 3076): BERRYESSA ROAD/LUNDY AVENUE



Street Name:	LUNDY AVENUE						BERRYESSA ROAD					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L -	T -	R	L -	T -	R	L -	T -	R	L -	T -	R
Min. Green:	7	10	10	7	10	10	7	10	10	7	10	10
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Volume Module: >> Count Date: 23 Oct 2014 << 7:35-8:35AM												
Base Vol:	540	567	121	203	211	277	137	362	62	171	1507	227
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	540	567	121	203	211	277	137	362	62	171	1507	227
Added Vol:	10	0	0	15	7	0	8	0	0	0	15	0
ATI:	245	53	71	8	21	64	89	180	227	44	187	9
Initial Fut:	795	620	192	226	239	341	234	542	289	215	1709	236
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	795	620	192	226	239	341	234	542	289	215	1709	236
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	795	620	192	226	239	341	234	542	289	215	1709	236
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	795	620	192	226	239	341	234	542	289	215	1709	236
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.83	1.00	0.92	0.83	1.00	0.92	0.92	1.00	0.92	0.92	1.00	0.92
Lanes:	2.00	2.00	1.00	2.00	2.00	1.00	1.00	3.00	1.00	1.00	3.00	1.00
Final Sat.:	3150	3800	1750	3150	3800	1750	1750	5700	1750	1750	5700	1750
Capacity Analysis Module:												
Vol/Sat:	0.25	0.16	0.11	0.07	0.06	0.19	0.13	0.10	0.17	0.12	0.30	0.13
Crit Moves:	****				****		****				****	
Green Time:	46.5	40.4	85.4	17.7	11.6	36.2	24.6	34.9	81.4	45.0	55.3	73.0
Volume/Cap:	0.81	0.61	0.19	0.61	0.81	0.81	0.81	0.41	0.30	0.41	0.81	0.28
Delay/Veh:	53.1	48.9	15.7	65.7	84.0	64.5	76.6	49.0	19.0	42.4	45.3	23.0
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	53.1	48.9	15.7	65.7	84.0	64.5	76.6	49.0	19.0	42.4	45.3	23.0
LOS by Move:	D-	D	B	E	F	E	E-	D	B-	D	D	C
HCM2k95thQ:	919	572	219	323	352	765	593	336	360	396	1031	321

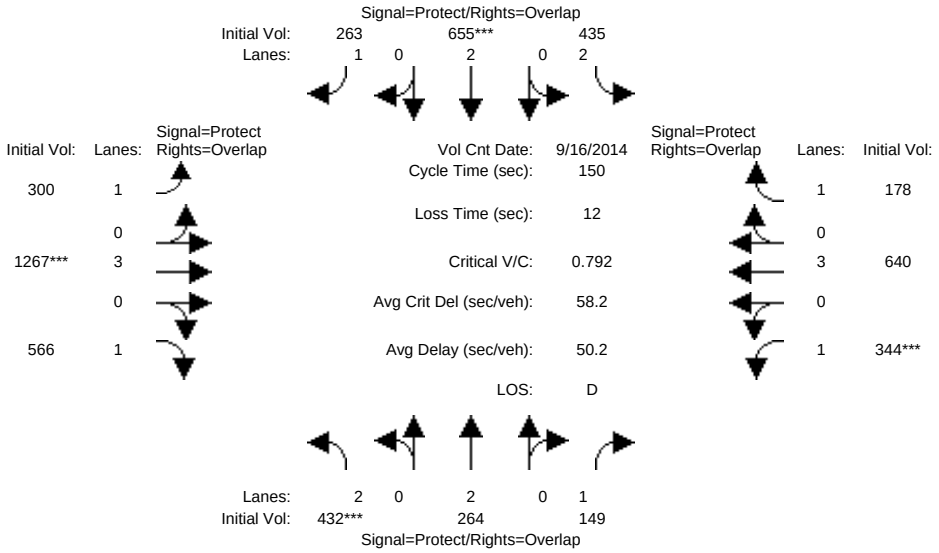
Note: Queue reported is the distance per lane in feet.

Copyright (c) 2008 Dowling Associates, Inc. Licensed to TJKM, PLEASANTON, CA

City of San Jose
Citywide Traffix Database
(updated July 2, 2014)

Level Of Service Computation Report
2000 HCM Operations (Future Volume Alternative)
Background plus Project (PM)

Intersection # 1 (City ID 3076): BERRYESSA ROAD/LUNDY AVENUE



Street Name:	LUNDY AVENUE						BERRYESSA ROAD					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L -	T -	R	L -	T -	R	L -	T -	R	L -	T -	R
Min. Green:	7	10	10	7	10	10	7	10	10	7	10	10
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Volume Module: >> Count Date: 16 Sep 2014 << 4:40-5:40PM												
Base Vol:	160	230	103	405	592	150	223	1067	324	271	414	167
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	160	230	103	405	592	150	223	1067	324	271	414	167
Added Vol:	3	0	0	6	3	0	2	0	0	0	4	0
ATI:	269	34	46	24	60	113	75	200	242	73	222	11
Initial Fut:	432	264	149	435	655	263	300	1267	566	344	640	178
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	432	264	149	435	655	263	300	1267	566	344	640	178
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	432	264	149	435	655	263	300	1267	566	344	640	178
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	432	264	149	435	655	263	300	1267	566	344	640	178
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.83	1.00	0.92	0.83	1.00	0.92	0.92	1.00	0.92	0.92	1.00	0.92
Lanes:	2.00	2.00	1.00	2.00	2.00	1.00	1.00	3.00	1.00	1.00	3.00	1.00
Final Sat.:	3150	3800	1750	3150	3800	1750	1750	5700	1750	1750	5700	1750
Capacity Analysis Module:												
Vol/Sat:	0.14	0.07	0.09	0.14	0.17	0.15	0.17	0.22	0.32	0.20	0.11	0.10
Crit Moves:	****				****			****		****		
Green Time:	26.0	19.6	56.9	39.0	32.7	80.6	48.0	42.1	68.1	37.2	31.4	70.4
Volume/Cap:	0.79	0.53	0.22	0.53	0.79	0.28	0.54	0.79	0.71	0.79	0.54	0.22
Delay/Veh:	67.2	62.0	31.8	48.3	60.7	19.1	42.9	52.7	36.1	62.3	53.3	23.6
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	67.2	62.0	31.8	48.3	60.7	19.1	42.9	52.7	36.1	62.3	53.3	23.6
LOS by Move:	E	E	C	D	E	B-	D	D-	D+	E	D-	C
HCM2k95thQ:	592	298	238	481	694	328	553	826	958	760	420	246

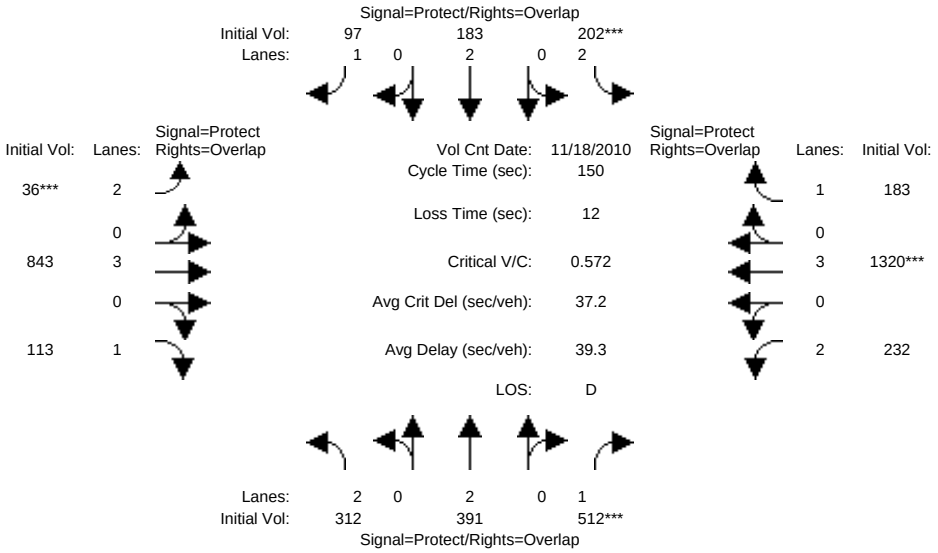
Note: Queue reported is the distance per lane in feet.

Copyright (c) 2008 Dowling Associates, Inc. Licensed to TJKM, PLEASANTON, CA

City of San Jose
Citywide Traffix Database
(updated July 2, 2014)

Level Of Service Computation Report
2000 HCM Operations (Future Volume Alternative)
Background plus Project (AM)

Intersection # 2 (City ID 3295): BERRYESSA ROAD/FLICKINGER AVENUE



Street Name:	FLICKINGER AVENUE						BERRYESSA ROAD					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L -	T -	R	L -	T -	R	L -	T -	R	L -	T -	R
Min. Green:	7	10	10	7	10	10	7	10	10	7	10	10
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Volume Module: >> Count Date: 18 Nov 2010 << 730-830AM												
Base Vol:	243	340	504	186	166	79	18	630	84	226	1162	182
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	243	340	504	186	166	79	18	630	84	226	1162	182
Added Vol:	2	0	0	0	0	2	1	8	1	0	11	0
ATI:	67	51	8	16	17	16	17	205	28	6	147	1
Initial Fut:	312	391	512	202	183	97	36	843	113	232	1320	183
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	312	391	512	202	183	97	36	843	113	232	1320	183
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	312	391	512	202	183	97	36	843	113	232	1320	183
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	312	391	512	202	183	97	36	843	113	232	1320	183
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.83	1.00	0.92	0.83	1.00	0.92	0.83	1.00	0.92	0.83	1.00	0.92
Lanes:	2.00	2.00	1.00	2.00	2.00	1.00	2.00	3.00	1.00	2.00	3.00	1.00
Final Sat.:	3150	3800	1750	3150	3800	1750	3150	5700	1750	3150	5700	1750
Capacity Analysis Module:												
Vol/Sat:	0.10	0.10	0.29	0.06	0.05	0.06	0.01	0.15	0.06	0.07	0.23	0.10
Crit Moves:			****	****			****				****	
Green Time:	43.1	55.7	77.7	16.3	29.0	36.0	7.0	44.0	87.1	21.9	58.9	75.3
Volume/Cap:	0.34	0.28	0.57	0.59	0.25	0.23	0.24	0.50	0.11	0.50	0.59	0.21
Delay/Veh:	42.5	33.1	25.5	66.3	51.5	46.2	69.8	44.2	14.2	59.9	36.4	20.9
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	42.5	33.1	25.5	66.3	51.5	46.2	69.8	44.2	14.2	59.9	36.4	20.9
LOS by Move:	D	C-	C	E	D-	D	E	D	B	E+	D+	C+
HCM2k95thQ:	322	293	739	295	177	190	61	490	122	304	694	238

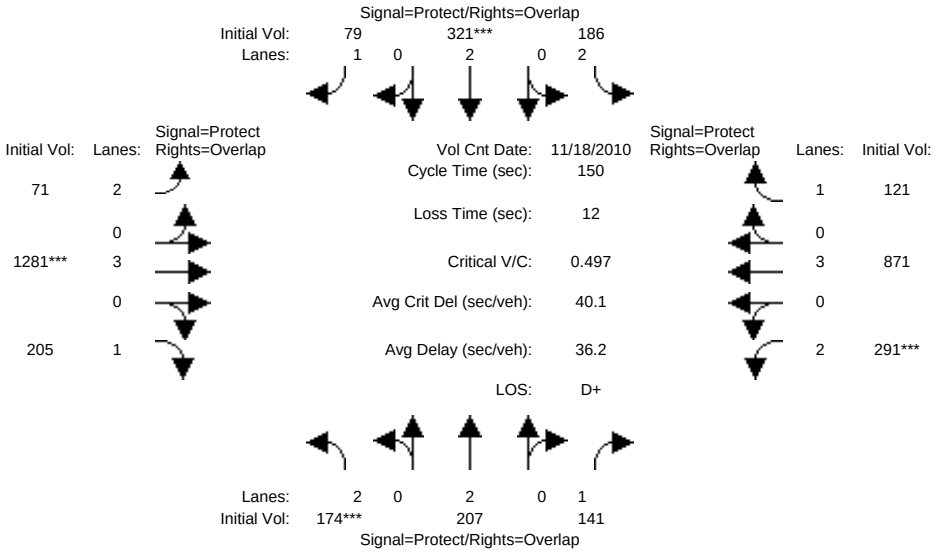
Note: Queue reported is the distance per lane in feet.

Copyright (c) 2008 Dowling Associates, Inc. Licensed to TJKM, PLEASANTON, CA

City of San Jose
Citywide Traffix Database
(updated July 2, 2014)

Level Of Service Computation Report
2000 HCM Operations (Future Volume Alternative)
Background plus Project (PM)

Intersection # 2 (City ID 3295): BERRYESSA ROAD/FLICKINGER AVENUE



Street Name:	FLICKINGER AVENUE						BERRYESSA ROAD					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L -	T -	R	L -	T -	R	L -	T -	R	L -	T -	R
Min. Green:	7	10	10	7	10	10	7	10	10	7	10	10
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Volume Module: >> Count Date: 18 Nov 2010 << 445-545PM												
Base Vol:	117	168	136	152	282	48	43	1108	160	284	679	119
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	117	168	136	152	282	48	43	1108	160	284	679	119
Added Vol:	1	0	0	0	0	1	1	3	1	0	3	0
ATI:	56	39	5	34	39	30	27	170	44	7	189	2
Initial Fut:	174	207	141	186	321	79	71	1281	205	291	871	121
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	174	207	141	186	321	79	71	1281	205	291	871	121
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	174	207	141	186	321	79	71	1281	205	291	871	121
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	174	207	141	186	321	79	71	1281	205	291	871	121
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.83	1.00	0.92	0.83	1.00	0.92	0.83	1.00	0.92	0.83	1.00	0.92
Lanes:	2.00	2.00	1.00	2.00	2.00	1.00	2.00	3.00	1.00	2.00	3.00	1.00
Final Sat.:	3150	3800	1750	3150	3800	1750	3150	5700	1750	3150	5700	1750
Capacity Analysis Module:												
Vol/Sat:	0.06	0.05	0.08	0.06	0.08	0.05	0.02	0.22	0.12	0.09	0.15	0.07
Crit Moves:	****				****			****		****		
Green Time:	16.7	22.4	50.3	19.8	25.5	47.9	22.4	67.9	84.6	27.9	73.4	93.2
Volume/Cap:	0.50	0.37	0.24	0.45	0.50	0.14	0.15	0.50	0.21	0.50	0.31	0.11
Delay/Veh:	63.8	57.8	36.3	60.8	57.0	36.5	55.7	29.1	16.3	55.4	23.2	11.6
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	63.8	57.8	36.3	60.8	57.0	36.5	55.7	29.1	16.3	55.4	23.2	11.6
LOS by Move:	E	E+	D+	E	E+	D+	E+	C	B	E+	C	B+
HCM2k95thQ:	246	219	241	248	334	137	88	603	237	356	366	119

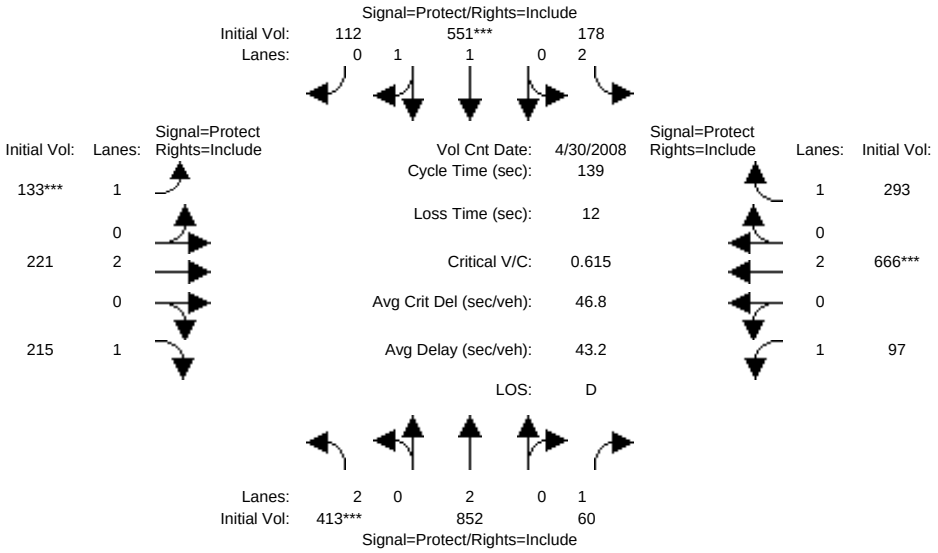
Note: Queue reported is the distance per lane in feet.

Copyright (c) 2008 Dowling Associates, Inc. Licensed to TJKM, PLEASANTON, CA

City of San Jose
Citywide Traffix Database
(updated July 2, 2014)

Level Of Service Computation Report
2000 HCM Operations (Future Volume Alternative)
Background plus Project (AM)

Intersection # 3 (City ID 3623): KING ROAD/MABURY ROAD



Street Name:	KING ROAD						MABURY ROAD					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L -	T -	R	L -	T -	R	L -	T -	R	L -	T -	R
Min. Green:	7	10	10	7	10	10	7	10	10	7	10	10
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Volume Module: >> Count Date: 30 Apr 2008 << 7:30-8:30AM												
Base Vol:	253	556	45	152	311	80	88	178	90	88	631	270
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	253	556	45	152	311	80	88	178	90	88	631	270
Added Vol:	0	6	0	1	4	1	2	0	0	0	0	2
ATI:	160	290	15	25	236	31	43	43	125	9	35	21
Initial Fut:	413	852	60	178	551	112	133	221	215	97	666	293
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	413	852	60	178	551	112	133	221	215	97	666	293
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	413	852	60	178	551	112	133	221	215	97	666	293
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	413	852	60	178	551	112	133	221	215	97	666	293
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.83	1.00	0.92	0.83	0.98	0.95	0.92	1.00	0.92	0.92	1.00	0.92
Lanes:	2.00	2.00	1.00	2.00	1.65	0.35	1.00	2.00	1.00	1.00	2.00	1.00
Final Sat.:	3150	3800	1750	3150	3074	625	1750	3800	1750	1750	3800	1750
Capacity Analysis Module:												
Vol/Sat:	0.13	0.22	0.03	0.06	0.18	0.18	0.08	0.06	0.12	0.06	0.18	0.17
Crit Moves:	****				****		****				****	
Green Time:	29.6	56.1	56.1	14.1	40.5	40.5	17.2	39.2	39.2	17.7	39.6	39.6
Volume/Cap:	0.61	0.56	0.09	0.56	0.61	0.61	0.61	0.21	0.44	0.44	0.61	0.59
Delay/Veh:	51.2	32.4	25.7	61.6	43.6	43.6	63.0	38.2	41.5	57.4	44.1	44.5
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	51.2	32.4	25.7	61.6	43.6	43.6	63.0	38.2	41.5	57.4	44.1	44.5
LOS by Move:	D-	C-	C	E	D	D	E	D+	D	E+	D	D
HCM2k95thQ:	469	616	84	248	577	577	321	175	383	221	568	539

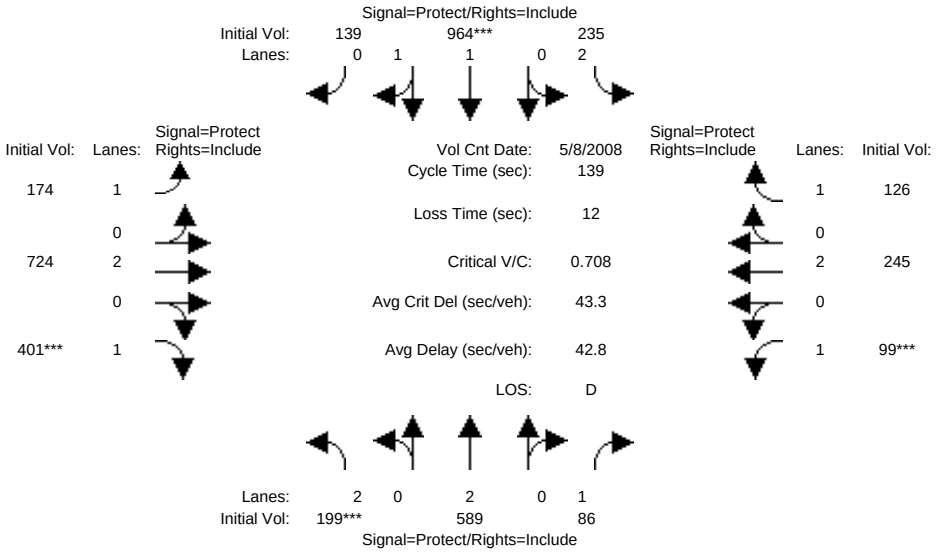
Note: Queue reported is the distance per lane in feet.

Copyright (c) 2008 Dowling Associates, Inc. Licensed to TJKM, PLEASANTON, CA

City of San Jose
Citywide Traffix Database
(updated July 2, 2014)

Level Of Service Computation Report
2000 HCM Operations (Future Volume Alternative)
Background plus Project (PM)

Intersection # 3 (City ID 3623): KING ROAD/MABURY ROAD



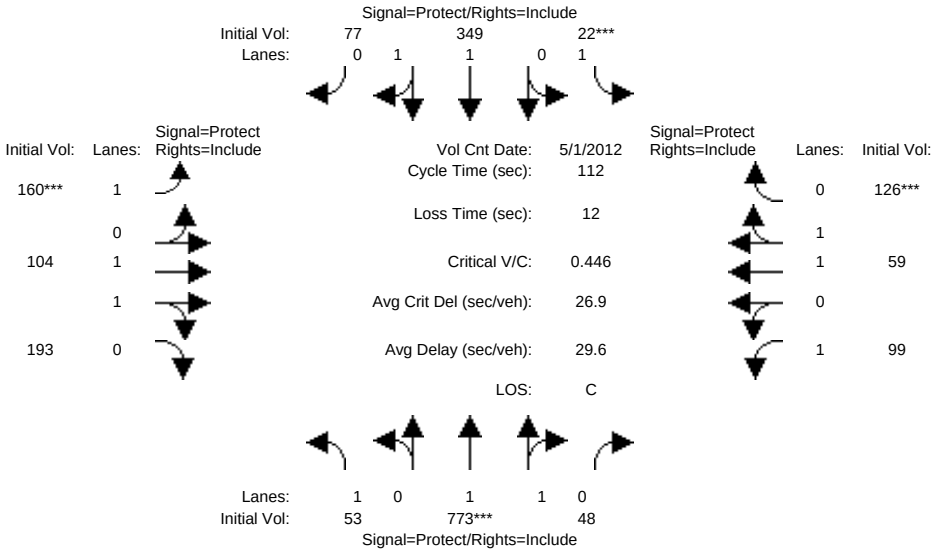

```
Street Name:            KING ROAD                          MABURY ROAD
Approach:      North Bound      South Bound       East Bound       West Bound
Movement:     L  -  T  -  R    L  -  T  -  R    L  -  T  -  R    L  -  T  -  R
------------|---------------||---------------||---------------||---------------|
Min. Green:     7   10    10     7   10    10     7   10    10     7   10    10
Y+R:          4.0  4.0   4.0   4.0  4.0   4.0   4.0  4.0   4.0   4.0  4.0   4.0
------------|---------------||---------------||---------------||---------------|
Volume Module: >> Count Date: 8 May 2008 << 4:45-5:45PM
Base Vol:      62  308    68   186  657    83   132  663   248    80  190    78
Growth Adj:  1.00 1.00  1.00  1.00 1.00  1.00  1.00 1.00  1.00  1.00 1.00  1.00
Initial Bse:   62  308    68   186  657    83   132  663   248    80  190    78
Added Vol:      0    2     0     1    2     1     1    0     0     0    0     1
ATI:          137  279    18    48  305    55    41   61   153    19   55    47
Initial Fut:  199  589    86   235  964   139   174  724   401    99  245   126
User Adj:    1.00 1.00  1.00  1.00 1.00  1.00  1.00 1.00  1.00  1.00 1.00  1.00
PHF Adj:     1.00 1.00  1.00  1.00 1.00  1.00  1.00 1.00  1.00  1.00 1.00  1.00
PHF Volume:   199  589    86   235  964   139   174  724   401    99  245   126
Reduct Vol:     0    0     0     0    0     0     0    0     0     0    0     0
Reduced Vol:  199  589    86   235  964   139   174  724   401    99  245   126
PCE Adj:     1.00 1.00  1.00  1.00 1.00  1.00  1.00 1.00  1.00  1.00 1.00  1.00
MLF Adj:     1.00 1.00  1.00  1.00 1.00  1.00  1.00 1.00  1.00  1.00 1.00  1.00
FinalVolume:  199  589    86   235  964   139   174  724   401    99  245   126
------------|---------------||---------------||---------------||---------------|
Saturation Flow Module:
Sat/Lane:    1900 1900  1900  1900 1900  1900  1900 1900  1900  1900 1900  1900
Adjustment:  0.83 1.00  0.92  0.83 0.98  0.95  0.92 1.00  0.92  0.92 1.00  0.92
Lanes:       2.00 2.00  1.00  2.00 1.74  0.26  1.00 2.00  1.00  1.00 2.00  1.00
Final Sat.:  3150 3800  1750  3150 3233   466  1750 3800  1750  1750 3800  1750
------------|---------------||---------------||---------------||---------------|
Capacity Analysis Module:
Vol/Sat:     0.06 0.16  0.05  0.07 0.30  0.30  0.10 0.19  0.23  0.06 0.06  0.07
Crit Moves:  ****                 ****                    ****  ****
Green Time:  12.4 47.9  47.9  23.0 58.5  58.5  32.5 45.0  45.0  11.1 23.6  23.6
Volume/Cap:  0.71 0.45  0.14  0.45 0.71  0.71  0.42 0.59  0.71  0.71 0.38  0.42
Delay/Veh:   69.6 35.6  31.5  52.9 34.7  34.7  46.0 40.0  45.4  77.8 51.6  52.6
User DelAdj: 1.00 1.00  1.00  1.00 1.00  1.00  1.00 1.00  1.00  1.00 1.00  1.00
AdjDel/Veh:  69.6 35.6  31.5  52.9 34.7  34.7  46.0 40.0  45.4  77.8 51.6  52.6
LOS by Move:    E   D+     C    D-   C-    C-     D    D     D    E-   D-    D-
HCM2k95thQ:   306  446   134   277  860   860   330  584   735   284  235   264
Note: Queue reported is the distance per lane in feet.
```


Copyright (c) 2008 Dowling Associates, Inc. Licensed to TJKM, PLEASANTON, CA

City of San Jose
Citywide Traffix Database
(updated July 2, 2014)

Level Of Service Computation Report
2000 HCM Operations (Future Volume Alternative)
Background plus Project (AM)

Intersection # 4 (City ID 3661): LUNDY AVENUE/SIERRA ROAD



Street Name:	LUNDY AVENUE						SIERRA ROAD					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L -	T -	R	L -	T -	R	L -	T -	R	L -	T -	R
Min. Green:	7	10	10	7	10	10	7	10	10	7	10	10
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Volume Module: >> Count Date: 1 May 2012 << 7:30-8:30AM												
Base Vol:	49	638	39	22	271	36	101	88	189	89	46	126
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	49	638	39	22	271	36	101	88	189	89	46	126
Added Vol:	1	3	1	0	4	0	0	0	1	1	0	0
ATI:	3	132	8	0	74	41	59	16	3	9	13	0
Initial Fut:	53	773	48	22	349	77	160	104	193	99	59	126
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	53	773	48	22	349	77	160	104	193	99	59	126
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	53	773	48	22	349	77	160	104	193	99	59	126
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	53	773	48	22	349	77	160	104	193	99	59	126
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.92	0.98	0.95	0.92	0.98	0.95	0.92	1.00	0.92	0.92	1.00	0.92
Lanes:	1.00	1.88	0.12	1.00	1.63	0.37	1.00	1.00	1.00	1.00	1.00	1.00
Final Sat.:	1750	3484	216	1750	3031	669	1750	1900	1750	1750	1900	1750
Capacity Analysis Module:												
Vol/Sat:	0.03	0.22	0.22	0.01	0.12	0.12	0.09	0.05	0.11	0.06	0.03	0.07
Crit Moves:		****		****			****					****
Green Time:	21.3	53.6	53.6	7.0	39.3	39.3	22.1	25.2	25.2	14.3	17.4	17.4
Volume/Cap:	0.16	0.46	0.46	0.20	0.33	0.33	0.46	0.24	0.49	0.44	0.20	0.46
Delay/Veh:	38.1	19.8	19.8	50.8	26.9	26.9	40.7	35.7	38.5	46.6	41.4	43.9
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	38.1	19.8	19.8	50.8	26.9	26.9	40.7	35.7	38.5	46.6	41.4	43.9
LOS by Move:	D+	B-	B-	D	C	C	D	D+	D+	D	D	D
HCM2k95thQ:	86	447	447	49	266	266	272	149	317	191	94	231

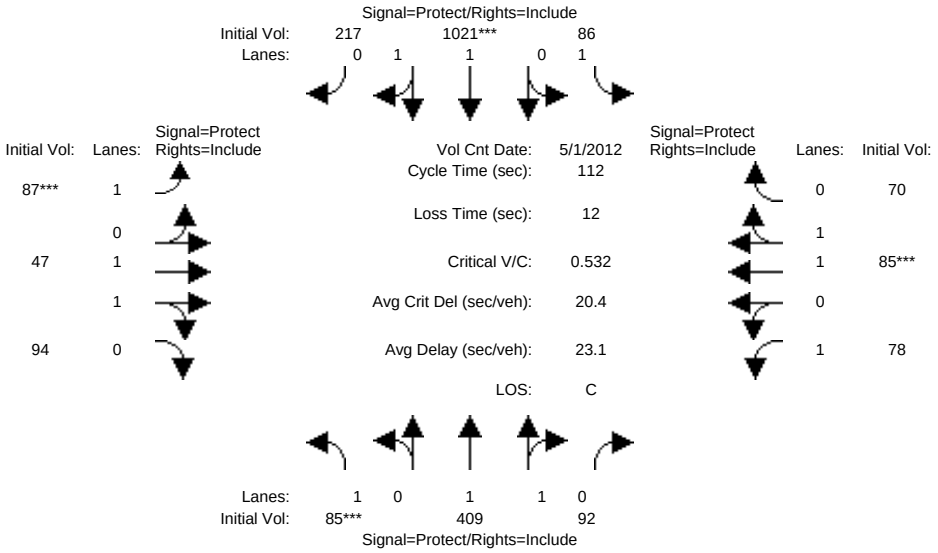
Note: Queue reported is the distance per lane in feet.

Copyright (c) 2008 Dowling Associates, Inc. Licensed to TJKM, PLEASANTON, CA

City of San Jose
Citywide Traffix Database
(updated July 2, 2014)

Level Of Service Computation Report
2000 HCM Operations (Future Volume Alternative)
Background plus Project (PM)

Intersection # 4 (City ID 3661): LUNDY AVENUE/SIERRA ROAD



Street Name:	LUNDY AVENUE						SIERRA ROAD					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L -	T -	R	L -	T -	R	L -	T -	R	L -	T -	R
Min. Green:	7	10	10	7	10	10	7	10	10	7	10	10
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Volume Module: >> Count Date: 1 May 2012 << 5:00-6:00PM												
Base Vol:	82	323	69	81	872	154	42	26	88	55	61	70
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	82	323	69	81	872	154	42	26	88	55	61	70
Added Vol:	0	1	0	0	1	0	0	0	0	0	0	0
ATI:	3	85	23	5	148	63	45	21	6	23	24	0
Initial Fut:	85	409	92	86	1021	217	87	47	94	78	85	70
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	85	409	92	86	1021	217	87	47	94	78	85	70
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	85	409	92	86	1021	217	87	47	94	78	85	70
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	85	409	92	86	1021	217	87	47	94	78	85	70
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.92	0.98	0.95	0.92	0.98	0.95	0.92	1.00	0.92	0.92	1.00	0.95
Lanes:	1.00	1.62	0.38	1.00	1.64	0.36	1.00	1.00	1.00	1.00	1.07	0.93
Final Sat.:	1750	3020	679	1750	3051	648	1750	1900	1750	1750	2028	1670
Capacity Analysis Module:												
Vol/Sat:	0.05	0.14	0.14	0.05	0.33	0.33	0.05	0.02	0.05	0.04	0.04	0.04
Crit Moves:	****				****		****				****	
Green Time:	10.1	54.5	54.5	25.2	69.6	69.6	10.3	12.0	12.0	8.4	10.0	10.0
Volume/Cap:	0.54	0.28	0.28	0.22	0.54	0.54	0.54	0.23	0.50	0.60	0.47	0.47
Delay/Veh:	52.4	17.2	17.2	35.7	12.3	12.3	52.2	46.0	48.7	57.5	49.5	49.5
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	52.4	17.2	17.2	35.7	12.3	12.3	52.2	46.0	48.7	57.5	49.5	49.5
LOS by Move:	D-	B	B	D+	B	B	D-	D	D	E+	D	D
HCM2k95thQ:	189	251	251	134	559	559	192	84	195	189	159	159

Note: Queue reported is the distance per lane in feet.

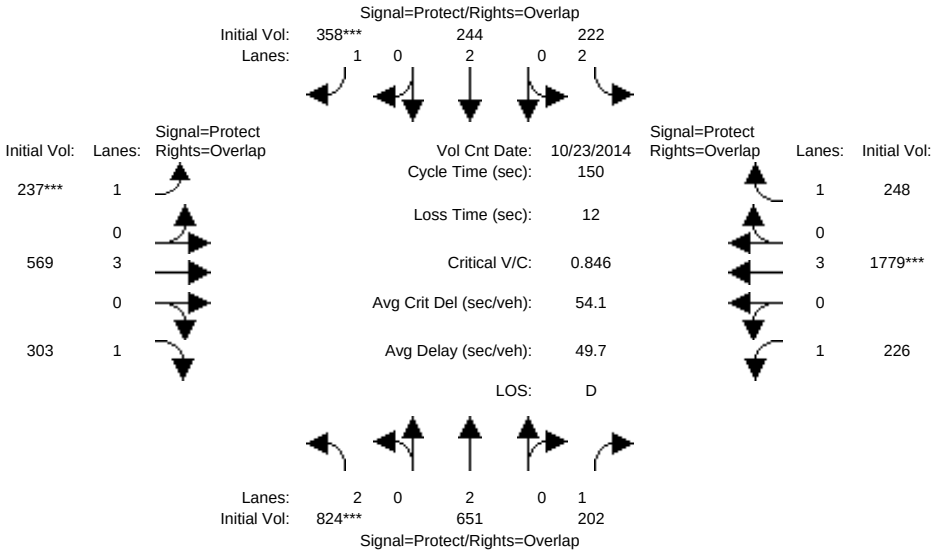
Copyright (c) 2008 Dowling Associates, Inc. Licensed to TJKM, PLEASANTON, CA

Appendix F – Cumulative Conditions Intersections Level of Service Worksheets

City of San Jose
Citywide Traffix Database
(updated July 2, 2014)

Level Of Service Computation Report
2000 HCM Operations (Future Volume Alternative)
Cumulative (AM)

Intersection # 1 (City ID 3076): BERRYESSA ROAD/LUNDY AVENUE



Street Name:	LUNDY AVENUE						BERRYESSA ROAD					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L -	T -	R	L -	T -	R	L -	T -	R	L -	T -	R
Min. Green:	7	10	10	7	10	10	7	10	10	7	10	10
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Volume Module: >> Count Date: 23 Oct 2014 << 7:35-8:35AM												
Base Vol:	785	620	192	211	232	341	226	542	289	215	1694	236
Growth Adj:	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05
Initial Bse:	824	651	202	222	244	358	237	569	303	226	1779	248
Added Vol:	0	0	0	0	0	0	0	0	0	0	0	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	824	651	202	222	244	358	237	569	303	226	1779	248
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	824	651	202	222	244	358	237	569	303	226	1779	248
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	824	651	202	222	244	358	237	569	303	226	1779	248
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	824	651	202	222	244	358	237	569	303	226	1779	248
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.83	1.00	0.92	0.83	1.00	0.92	0.92	1.00	0.92	0.92	1.00	0.92
Lanes:	2.00	2.00	1.00	2.00	2.00	1.00	1.00	3.00	1.00	1.00	3.00	1.00
Final Sat.:	3150	3800	1750	3150	3800	1750	1750	5700	1750	1750	5700	1750
Capacity Analysis Module:												
Vol/Sat:	0.26	0.17	0.12	0.07	0.06	0.20	0.14	0.10	0.17	0.13	0.31	0.14
Crit Moves:	****					****	****				****	
Green Time:	46.4	41.6	86.3	17.1	12.2	36.3	24.0	34.6	81.0	44.7	55.3	72.4
Volume/Cap:	0.85	0.62	0.20	0.62	0.79	0.85	0.85	0.43	0.32	0.43	0.85	0.29
Uniform Del:	48.5	47.3	15.3	63.4	67.6	54.2	61.2	49.3	19.2	42.4	43.4	23.4
IncremntDel:	7.0	1.1	0.1	3.3	12.5	14.6	20.5	0.2	0.2	0.6	3.4	0.2
InitQueuDel:	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Delay Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Delay/Veh:	55.4	48.4	15.4	66.6	80.1	68.8	81.7	49.5	19.4	43.0	46.8	23.6
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	55.4	48.4	15.4	66.6	80.1	68.8	81.7	49.5	19.4	43.0	46.8	23.6
LOS by Move:	E+	D	B	E	F	E	F	D	B-	D	D	C
HCM2k95thQ:	974	596	227	322	348	822	617	355	382	418	1098	341

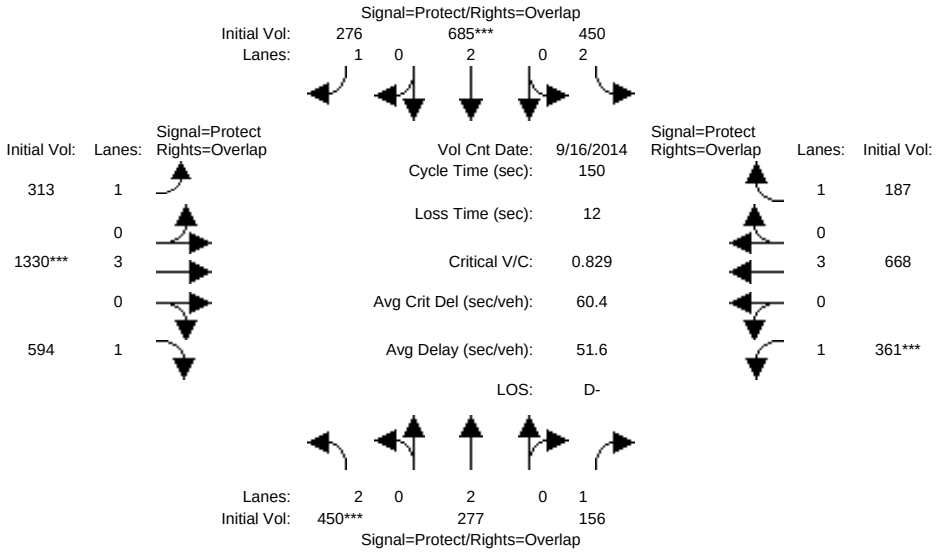
Note: Queue reported is the distance per lane in feet.

Copyright (c) 2008 Dowling Associates, Inc. Licensed to TJKM, PLEASANTON, CA

City of San Jose
Citywide Traffix Database
(updated July 2, 2014)

Level Of Service Computation Report
2000 HCM Operations (Future Volume Alternative)
Cumulative (PM)

Intersection # 1 (City ID 3076): BERRYESSA ROAD/LUNDY AVENUE



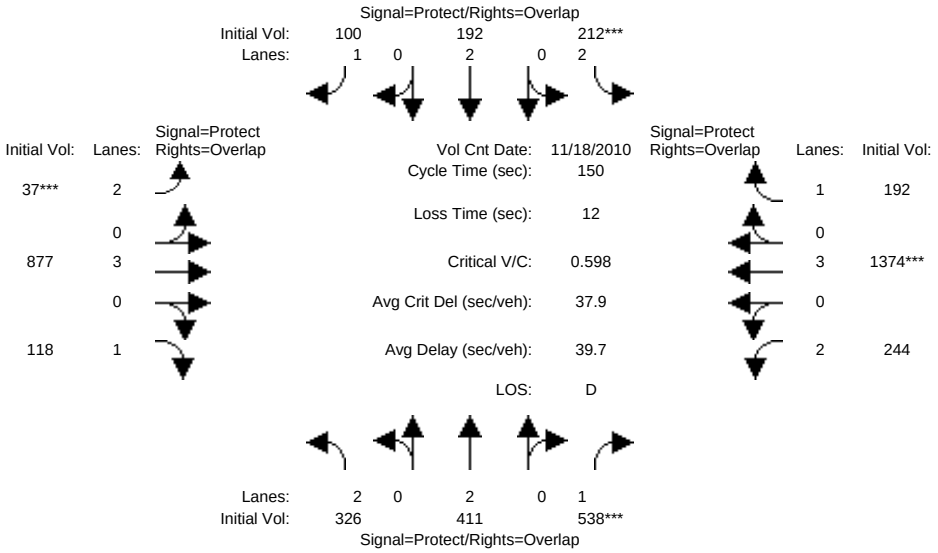
Street Name:	LUNDY AVENUE						BERRYESSA ROAD					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L -	T -	R	L -	T -	R	L -	T -	R	L -	T -	R
Min. Green:	7	10	10	7	10	10	7	10	10	7	10	10
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Volume Module: >> Count Date: 16 Sep 2014 << 4:40-5:40PM												
Base Vol:	429	264	149	429	652	263	298	1267	566	344	636	178
Growth Adj:	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05
Initial Bse:	450	277	156	450	685	276	313	1330	594	361	668	187
Added Vol:	0	0	0	0	0	0	0	0	0	0	0	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	450	277	156	450	685	276	313	1330	594	361	668	187
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	450	277	156	450	685	276	313	1330	594	361	668	187
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	450	277	156	450	685	276	313	1330	594	361	668	187
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	450	277	156	450	685	276	313	1330	594	361	668	187
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.83	1.00	0.92	0.83	1.00	0.92	0.92	1.00	0.92	0.92	1.00	0.92
Lanes:	2.00	2.00	1.00	2.00	2.00	1.00	1.00	3.00	1.00	1.00	3.00	1.00
Final Sat.:	3150	3800	1750	3150	3800	1750	1750	5700	1750	1750	5700	1750
Capacity Analysis Module:												
Vol/Sat:	0.14	0.07	0.09	0.14	0.18	0.16	0.18	0.23	0.34	0.21	0.12	0.11
Crit Moves:	****				****			****		****		
Green Time:	25.9	19.7	57.1	38.7	32.6	80.6	48.1	42.2	68.1	37.3	31.5	70.2
Volume/Cap:	0.83	0.55	0.23	0.55	0.83	0.29	0.56	0.83	0.75	0.83	0.56	0.23
Uniform Del:	59.9	61.0	31.6	48.2	56.1	19.0	42.2	50.5	33.9	53.3	53.0	23.8
IncremntDel:	10.3	1.4	0.2	0.8	7.1	0.2	1.3	3.8	4.0	12.5	0.6	0.1
InitQueuDel:	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Delay Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Delay/Veh:	70.3	62.4	31.8	49.0	63.1	19.2	43.4	54.3	37.8	65.9	53.6	23.9
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	70.3	62.4	31.8	49.0	63.1	19.2	43.4	54.3	37.8	65.9	53.6	23.9
LOS by Move:	E	E	C	D	E	B-	D	D-	D+	E	D-	C
HCM2k95thQ:	631	314	250	502	740	346	580	885	1029	814	440	259

Copyright (c) 2008 Dowling Associates, Inc. Licensed to TJKM, PLEASANTON, CA

City of San Jose
Citywide Traffix Database
(updated July 2, 2014)

Level Of Service Computation Report
2000 HCM Operations (Future Volume Alternative)
Cumulative (AM)

Intersection # 2 (City ID 3295): BERRYESSA ROAD/FLICKINGER AVENUE



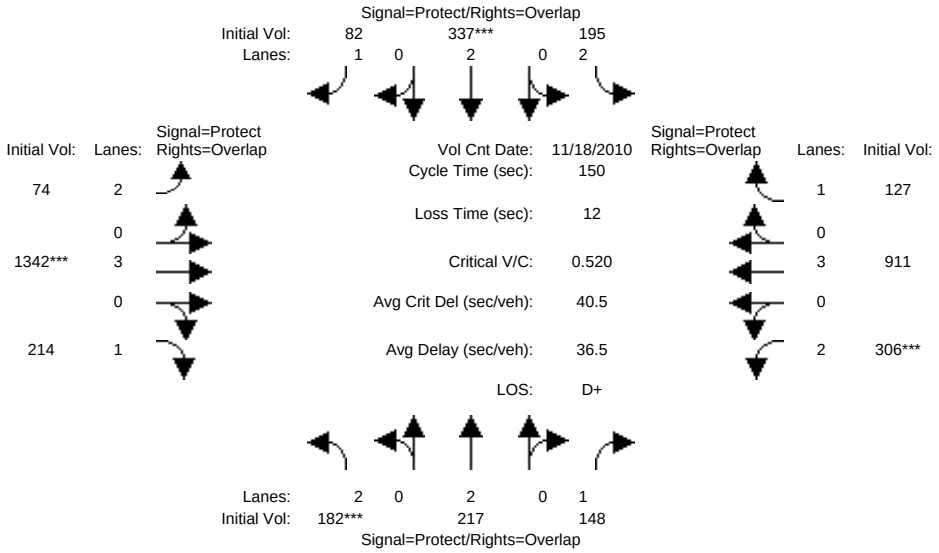
Street Name:	FLICKINGER AVENUE						BERRYESSA ROAD					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L -	T -	R	L -	T -	R	L -	T -	R	L -	T -	R
Min. Green:	7	10	10	7	10	10	7	10	10	7	10	10
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Volume Module: >> Count Date: 18 Nov 2010 << 730-830AM												
Base Vol:	310	391	512	202	183	95	35	835	112	232	1309	183
Growth Adj:	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05
Initial Bse:	326	411	538	212	192	100	37	877	118	244	1374	192
Added Vol:	0	0	0	0	0	0	0	0	0	0	0	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	326	411	538	212	192	100	37	877	118	244	1374	192
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	326	411	538	212	192	100	37	877	118	244	1374	192
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	326	411	538	212	192	100	37	877	118	244	1374	192
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	326	411	538	212	192	100	37	877	118	244	1374	192
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.83	1.00	0.92	0.83	1.00	0.92	0.83	1.00	0.92	0.83	1.00	0.92
Lanes:	2.00	2.00	1.00	2.00	2.00	1.00	2.00	3.00	1.00	2.00	3.00	1.00
Final Sat.:	3150	3800	1750	3150	3800	1750	3150	5700	1750	3150	5700	1750
Capacity Analysis Module:												
Vol/Sat:	0.10	0.11	0.31	0.07	0.05	0.06	0.01	0.15	0.07	0.08	0.24	0.11
Crit Moves:			****	****			****				****	
Green Time:	44.0	55.9	77.9	16.4	28.4	35.4	7.0	43.7	87.7	22.0	58.7	75.1
Volume/Cap:	0.35	0.29	0.59	0.62	0.27	0.24	0.25	0.53	0.11	0.53	0.62	0.22
Uniform Del:	41.8	33.1	25.0	63.8	51.9	46.5	69.0	44.5	13.9	59.2	36.6	21.0
IncremntDel:	0.2	0.1	1.0	3.4	0.2	0.3	0.9	0.3	0.1	1.1	0.5	0.1
InitQueuDel:	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Delay Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Delay/Veh:	42.0	33.2	26.0	67.2	52.1	46.8	69.9	44.8	13.9	60.4	37.2	21.2
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	42.0	33.2	26.0	67.2	52.1	46.8	69.9	44.8	13.9	60.4	37.2	21.2
LOS by Move:	D	C-	C	E	D-	D	E	D	B	E	D+	C+
HCM2k95thQ:	333	308	785	312	188	197	62	513	126	321	731	252

Copyright (c) 2008 Dowling Associates, Inc. Licensed to TJKM, PLEASANTON, CA

City of San Jose
Citywide Traffix Database
(updated July 2, 2014)

Level Of Service Computation Report
2000 HCM Operations (Future Volume Alternative)
Cumulative (PM)

Intersection # 2 (City ID 3295): BERRYESSA ROAD/FLICKINGER AVENUE



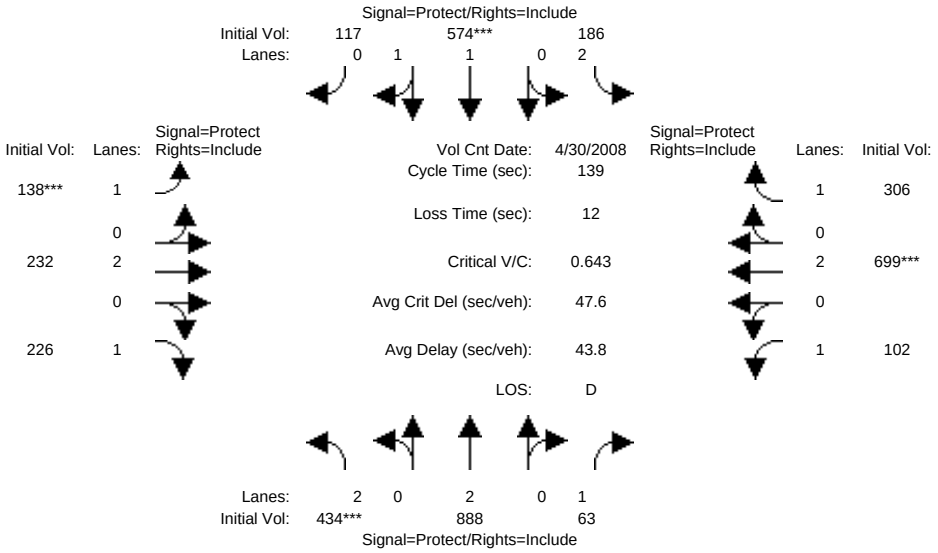
Street Name:	FLICKINGER AVENUE						BERRYESSA ROAD					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L -	T -	R	L -	T -	R	L -	T -	R	L -	T -	R
Min. Green:	7	10	10	7	10	10	7	10	10	7	10	10
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Volume Module: >> Count Date: 18 Nov 2010 << 445-545PM												
Base Vol:	173	207	141	186	321	78	70	1278	204	291	868	121
Growth Adj:	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05
Initial Bse:	182	217	148	195	337	82	74	1342	214	306	911	127
Added Vol:	0	0	0	0	0	0	0	0	0	0	0	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	182	217	148	195	337	82	74	1342	214	306	911	127
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	182	217	148	195	337	82	74	1342	214	306	911	127
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	182	217	148	195	337	82	74	1342	214	306	911	127
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	182	217	148	195	337	82	74	1342	214	306	911	127
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.83	1.00	0.92	0.83	1.00	0.92	0.83	1.00	0.92	0.83	1.00	0.92
Lanes:	2.00	2.00	1.00	2.00	2.00	1.00	2.00	3.00	1.00	2.00	3.00	1.00
Final Sat.:	3150	3800	1750	3150	3800	1750	3150	5700	1750	3150	5700	1750
Capacity Analysis Module:												
Vol/Sat:	0.06	0.06	0.08	0.06	0.09	0.05	0.02	0.24	0.12	0.10	0.16	0.07
Crit Moves:	****				****			****		****		
Green Time:	16.6	21.9	49.8	20.3	25.6	47.2	21.6	67.9	84.5	28.0	74.2	94.5
Volume/Cap:	0.52	0.39	0.25	0.46	0.52	0.15	0.16	0.52	0.22	0.52	0.32	0.12
Uniform Del:	62.9	58.1	36.5	59.8	56.6	36.9	56.2	29.4	16.3	55.0	22.8	11.1
IncremntDel:	1.4	0.5	0.2	0.8	0.8	0.1	0.2	0.2	0.1	0.8	0.1	0.0
InitQueuDel:	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Delay Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Delay/Veh:	64.3	58.5	36.8	60.5	57.4	37.1	56.4	29.6	16.4	55.8	22.9	11.1
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	64.3	58.5	36.8	60.5	57.4	37.1	56.4	29.6	16.4	55.8	22.9	11.1
LOS by Move:	E	E+	D+	E	E+	D+	E+	C	B	E+	C+	B+
HCM2k95thQ:	259	232	255	259	352	143	92	638	249	375	381	123

Copyright (c) 2008 Dowling Associates, Inc. Licensed to TJKM, PLEASANTON, CA

City of San Jose
Citywide Traffix Database
(updated July 2, 2014)

Level Of Service Computation Report
2000 HCM Operations (Future Volume Alternative)
Cumulative (AM)

Intersection # 3 (City ID 3623): KING ROAD/MABURY ROAD



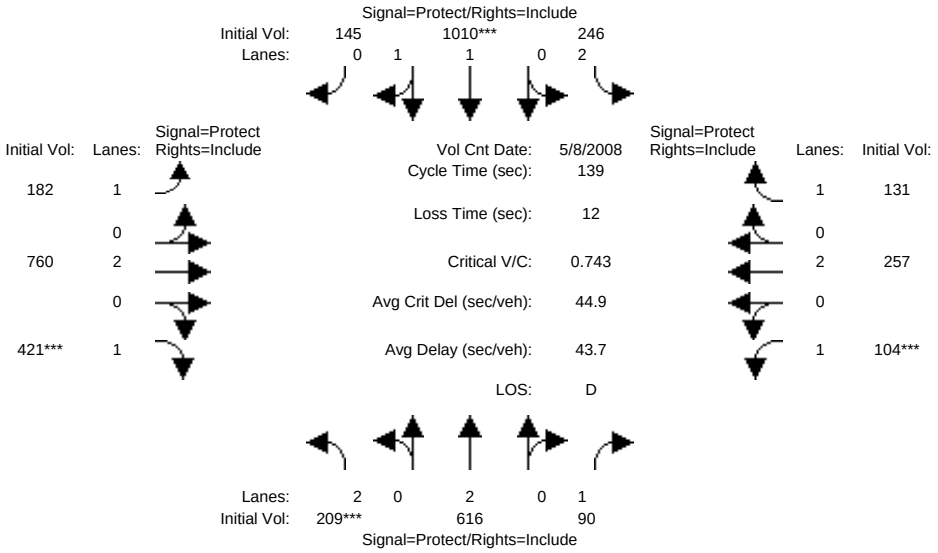
Street Name:	KING ROAD						MABURY ROAD					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L -	T -	R	L -	T -	R	L -	T -	R	L -	T -	R
Min. Green:	7	10	10	7	10	10	7	10	10	7	10	10
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Volume Module: >> Count Date: 30 Apr 2008 << 7:30-8:30AM												
Base Vol:	413	846	60	177	547	111	131	221	215	97	666	291
Growth Adj:	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05
Initial Bse:	434	888	63	186	574	117	138	232	226	102	699	306
Added Vol:	0	0	0	0	0	0	0	0	0	0	0	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	434	888	63	186	574	117	138	232	226	102	699	306
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	434	888	63	186	574	117	138	232	226	102	699	306
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	434	888	63	186	574	117	138	232	226	102	699	306
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	434	888	63	186	574	117	138	232	226	102	699	306
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.83	1.00	0.92	0.83	0.98	0.95	0.92	1.00	0.92	0.92	1.00	0.92
Lanes:	2.00	2.00	1.00	2.00	1.65	0.35	1.00	2.00	1.00	1.00	2.00	1.00
Final Sat.:	3150	3800	1750	3150	3075	624	1750	3800	1750	1750	3800	1750
Capacity Analysis Module:												
Vol/Sat:	0.14	0.23	0.04	0.06	0.19	0.19	0.08	0.06	0.13	0.06	0.18	0.17
Crit Moves:	****				****		****				****	
Green Time:	29.8	56.0	56.0	14.1	40.4	40.4	17.0	39.2	39.2	17.7	39.8	39.8
Volume/Cap:	0.64	0.58	0.09	0.58	0.64	0.64	0.64	0.22	0.46	0.46	0.64	0.61
Uniform Del:	49.8	32.3	25.7	59.6	43.0	43.0	58.1	38.2	41.2	56.2	43.4	42.9
IncremntDel:	2.1	0.6	0.1	2.7	1.3	1.3	6.5	0.1	0.7	1.5	1.3	2.2
InitQueuDel:	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Delay Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Delay/Veh:	51.9	32.9	25.7	62.2	44.3	44.3	64.6	38.3	41.9	57.7	44.7	45.1
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	51.9	32.9	25.7	62.2	44.3	44.3	64.6	38.3	41.9	57.7	44.7	45.1
LOS by Move:	D-	C-	C	E	D	D	E	D+	D	E+	D	D
HCM2k95thQ:	496	648	89	261	607	607	336	184	404	233	601	564

Copyright (c) 2008 Dowling Associates, Inc. Licensed to TJKM, PLEASANTON, CA

City of San Jose
Citywide Traffix Database
(updated July 2, 2014)

Level Of Service Computation Report
2000 HCM Operations (Future Volume Alternative)
Cumulative (PM)

Intersection # 3 (City ID 3623): KING ROAD/MABURY ROAD



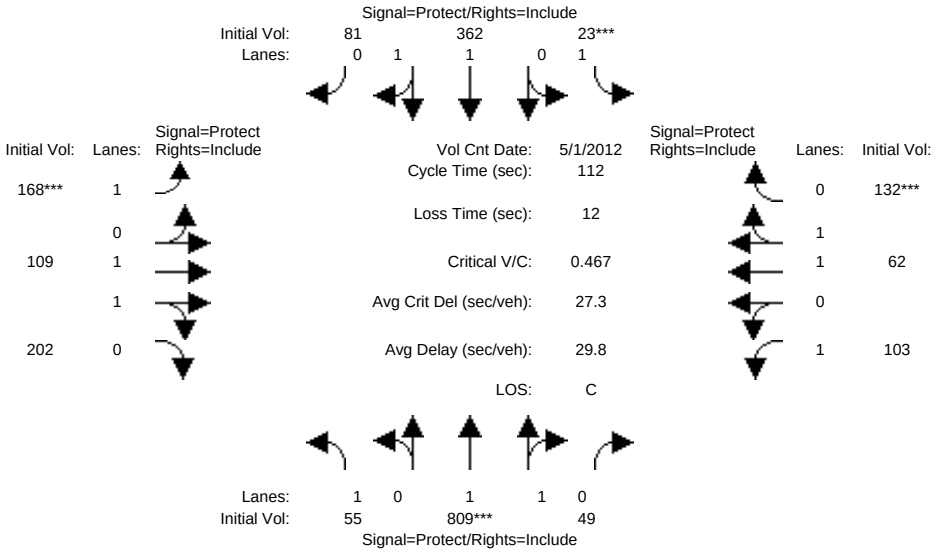
Street Name:	KING ROAD						MABURY ROAD					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L -	T -	R	L -	T -	R	L -	T -	R	L -	T -	R
Min. Green:	7	10	10	7	10	10	7	10	10	7	10	10
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Volume Module: >> Count Date: 8 May 2008 << 4:45-5:45PM												
Base Vol:	199	587	86	234	962	138	173	724	401	99	245	125
Growth Adj:	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05
Initial Bse:	209	616	90	246	1010	145	182	760	421	104	257	131
Added Vol:	0	0	0	0	0	0	0	0	0	0	0	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	209	616	90	246	1010	145	182	760	421	104	257	131
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	209	616	90	246	1010	145	182	760	421	104	257	131
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	209	616	90	246	1010	145	182	760	421	104	257	131
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	209	616	90	246	1010	145	182	760	421	104	257	131
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.83	1.00	0.92	0.83	0.98	0.95	0.92	1.00	0.92	0.92	1.00	0.92
Lanes:	2.00	2.00	1.00	2.00	1.74	0.26	1.00	2.00	1.00	1.00	2.00	1.00
Final Sat.:	3150	3800	1750	3150	3235	464	1750	3800	1750	1750	3800	1750
Capacity Analysis Module:												
Vol/Sat:	0.07	0.16	0.05	0.08	0.31	0.31	0.10	0.20	0.24	0.06	0.07	0.07
Crit Moves:	****				****				****	****		
Green Time:	12.4	47.8	47.8	23.0	58.4	58.4	32.6	45.0	45.0	11.1	23.6	23.6
Volume/Cap:	0.74	0.47	0.15	0.47	0.74	0.74	0.44	0.62	0.74	0.74	0.40	0.44
Uniform Del:	61.7	35.7	31.5	52.5	33.9	33.9	45.4	39.7	41.8	62.5	51.4	51.8
IncremntDel:	10.2	0.3	0.1	0.7	2.0	2.0	0.8	1.0	5.3	19.1	0.4	1.1
InitQueuDel:	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Delay Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Delay/Veh:	71.9	35.9	31.6	53.2	35.9	35.9	46.2	40.7	47.1	81.6	51.8	52.9
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	71.9	35.9	31.6	53.2	35.9	35.9	46.2	40.7	47.1	81.6	51.8	52.9
LOS by Move:	E	D+	C	D-	D+	D+	D	D	D	F	D-	D-
HCM2k95thQ:	326	469	141	291	919	919	346	619	784	303	248	276

Copyright (c) 2008 Dowling Associates, Inc. Licensed to TJKM, PLEASANTON, CA

City of San Jose
Citywide Traffix Database
(updated July 2, 2014)

Level Of Service Computation Report
2000 HCM Operations (Future Volume Alternative)
Cumulative (AM)

Intersection # 4 (City ID 3661): LUNDY AVENUE/SIERRA ROAD



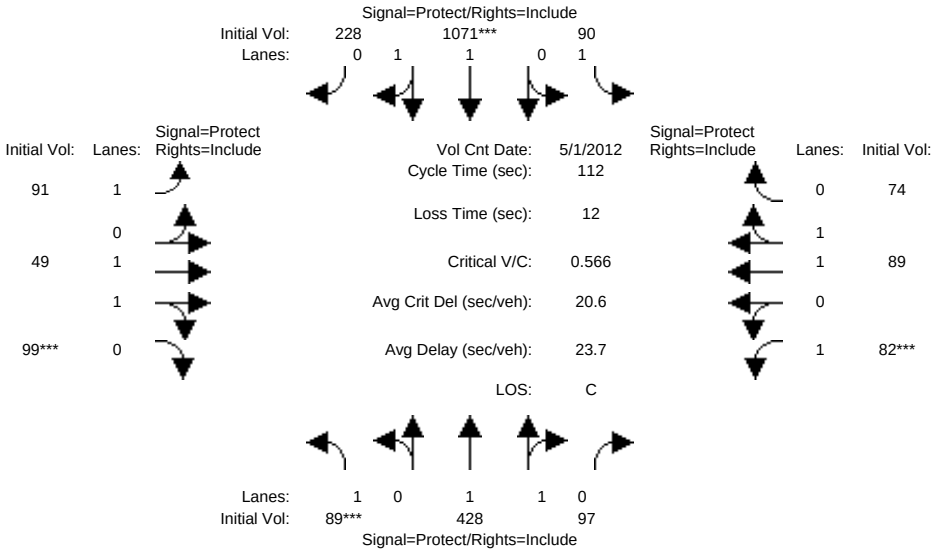
Street Name:	LUNDY AVENUE						SIERRA ROAD					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L -	T -	R	L -	T -	R	L -	T -	R	L -	T -	R
Min. Green:	7	10	10	7	10	10	7	10	10	7	10	10
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Volume Module: >> Count Date: 1 May 2012 << 7:30-8:30AM												
Base Vol:	52	770	47	22	345	77	160	104	192	98	59	126
Growth Adj:	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05
Initial Bse:	55	809	49	23	362	81	168	109	202	103	62	132
Added Vol:	0	0	0	0	0	0	0	0	0	0	0	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	55	809	49	23	362	81	168	109	202	103	62	132
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	55	809	49	23	362	81	168	109	202	103	62	132
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	55	809	49	23	362	81	168	109	202	103	62	132
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	55	809	49	23	362	81	168	109	202	103	62	132
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.92	0.98	0.95	0.92	0.98	0.95	0.92	1.00	0.92	0.92	1.00	0.92
Lanes:	1.00	1.88	0.12	1.00	1.62	0.38	1.00	1.00	1.00	1.00	1.00	1.00
Final Sat.:	1750	3487	213	1750	3024	675	1750	1900	1750	1750	1900	1750
Capacity Analysis Module:												
Vol/Sat:	0.03	0.23	0.23	0.01	0.12	0.12	0.10	0.06	0.12	0.06	0.03	0.08
Crit Moves:		****		****			****					****
Green Time:	20.7	53.4	53.4	7.0	39.7	39.7	22.1	25.6	25.6	13.9	17.4	17.4
Volume/Cap:	0.17	0.49	0.49	0.21	0.34	0.34	0.49	0.25	0.50	0.47	0.21	0.49
Uniform Del:	38.4	19.9	19.9	49.9	26.5	26.5	39.9	35.3	37.6	45.6	41.3	43.2
IncremntDel:	0.2	0.2	0.2	1.0	0.2	0.2	1.1	0.1	0.7	1.6	0.1	0.9
InitQueuDel:	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Delay Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Delay/Veh:	38.6	20.1	20.1	50.8	26.7	26.7	41.0	35.4	38.3	47.3	41.4	44.1
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	38.6	20.1	20.1	50.8	26.7	26.7	41.0	35.4	38.3	47.3	41.4	44.1
LOS by Move:	D+	C+	C+	D	C	C	D	D+	D+	D	D	D
HCM2k95thQ:	90	472	472	52	276	276	287	156	330	202	99	244

Copyright (c) 2008 Dowling Associates, Inc. Licensed to TJKM, PLEASANTON, CA

City of San Jose
Citywide Traffix Database
(updated July 2, 2014)

Level Of Service Computation Report
2000 HCM Operations (Future Volume Alternative)
Cumulative (PM)

Intersection # 4 (City ID 3661): LUNDY AVENUE/SIERRA ROAD



Street Name:	LUNDY AVENUE						SIERRA ROAD					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L -	T -	R	L -	T -	R	L -	T -	R	L -	T -	R
Min. Green:	7	10	10	7	10	10	7	10	10	7	10	10
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Volume Module: >> Count Date: 1 May 2012 << 5:00-6:00PM												
Base Vol:	85	408	92	86	1020	217	87	47	94	78	85	70
Growth Adj:	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05
Initial Bse:	89	428	97	90	1071	228	91	49	99	82	89	74
Added Vol:	0	0	0	0	0	0	0	0	0	0	0	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	89	428	97	90	1071	228	91	49	99	82	89	74
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	89	428	97	90	1071	228	91	49	99	82	89	74
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	89	428	97	90	1071	228	91	49	99	82	89	74
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	89	428	97	90	1071	228	91	49	99	82	89	74
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.92	0.98	0.95	0.92	0.98	0.95	0.92	1.00	0.92	0.92	1.00	0.95
Lanes:	1.00	1.62	0.38	1.00	1.64	0.36	1.00	1.00	1.00	1.00	1.07	0.93
Final Sat.:	1750	3019	681	1750	3050	649	1750	1900	1750	1750	2028	1670
Capacity Analysis Module:												
Vol/Sat:	0.05	0.14	0.14	0.05	0.35	0.35	0.05	0.03	0.06	0.05	0.04	0.04
Crit Moves:	****				****				****	****		
Green Time:	10.1	55.2	55.2	24.3	69.5	69.5	8.4	11.2	11.2	9.3	12.0	12.0
Volume/Cap:	0.57	0.29	0.29	0.24	0.57	0.57	0.70	0.26	0.57	0.57	0.41	0.41
Uniform Del:	48.9	16.8	16.8	36.2	12.4	12.4	50.5	46.6	48.1	49.4	46.7	46.7
IncremntDel:	4.7	0.1	0.1	0.3	0.3	0.3	15.0	0.2	2.9	5.1	0.7	0.7
InitQueuDel:	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Delay Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Delay/Veh:	53.6	16.8	16.8	36.5	12.8	12.8	65.5	46.9	51.0	54.6	47.4	47.4
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	53.6	16.8	16.8	36.5	12.8	12.8	65.5	46.9	51.0	54.6	47.4	47.4
LOS by Move:	D-	B	B	D+	B	B	E	D	D	D-	D	D
HCM2k95thQ:	200	261	261	142	599	599	232	90	214	189	155	155

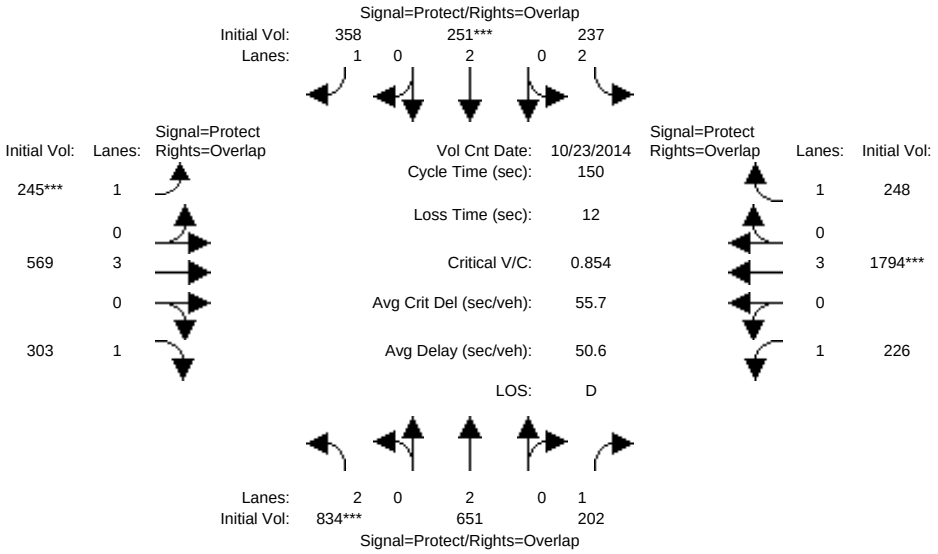
Copyright (c) 2008 Dowling Associates, Inc. Licensed to TJKM, PLEASANTON, CA

Appendix G – Cumulative plus Project Conditions Intersections Level of Service Worksheets

City of San Jose
Citywide Traffix Database
(updated July 2, 2014)

Level Of Service Computation Report
2000 HCM Operations (Future Volume Alternative)
Cumulative plus Project (AM)

Intersection # 1 (City ID 3076): BERRYESSA ROAD/LUNDY AVENUE



Street Name:	LUNDY AVENUE						BERRYESSA ROAD					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L -	T -	R	L -	T -	R	L -	T -	R	L -	T -	R
Min. Green:	7	10	10	7	10	10	7	10	10	7	10	10
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Volume Module: >> Count Date: 23 Oct 2014 << 7:35-8:35AM												
Base Vol:	785	620	192	211	232	341	226	542	289	215	1694	236
Growth Adj:	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05
Initial Bse:	824	651	202	222	244	358	237	569	303	226	1779	248
Added Vol:	10	0	0	15	7	0	8	0	0	0	15	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	834	651	202	237	251	358	245	569	303	226	1794	248
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	834	651	202	237	251	358	245	569	303	226	1794	248
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	834	651	202	237	251	358	245	569	303	226	1794	248
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	834	651	202	237	251	358	245	569	303	226	1794	248
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.83	1.00	0.92	0.83	1.00	0.92	0.92	1.00	0.92	0.92	1.00	0.92
Lanes:	2.00	2.00	1.00	2.00	2.00	1.00	1.00	3.00	1.00	1.00	3.00	1.00
Final Sat.:	3150	3800	1750	3150	3800	1750	1750	5700	1750	1750	5700	1750
Capacity Analysis Module:												
Vol/Sat:	0.26	0.17	0.12	0.08	0.07	0.20	0.14	0.10	0.17	0.13	0.31	0.14
Crit Moves:	****				****		****				****	
Green Time:	46.5	40.4	85.4	17.7	11.6	36.2	24.6	34.9	81.4	45.0	55.3	73.0
Volume/Cap:	0.85	0.64	0.20	0.64	0.85	0.85	0.85	0.43	0.32	0.43	0.85	0.29
Uniform Del:	48.6	48.3	15.7	63.1	68.4	54.3	60.9	49.1	19.0	42.2	43.6	23.0
IncremntDel:	7.4	1.3	0.1	3.6	20.9	14.8	21.2	0.2	0.2	0.6	3.6	0.2
InitQueuDel:	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Delay Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Delay/Veh:	56.0	49.7	15.8	66.7	89.2	69.0	82.2	49.3	19.2	42.7	47.3	23.2
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	56.0	49.7	15.8	66.7	89.2	69.0	82.2	49.3	19.2	42.7	47.3	23.2
LOS by Move:	E+	D	B	E	F	E	F	D	B-	D	D	C
HCM2k95thQ:	991	606	230	342	377	823	636	354	380	417	1114	339

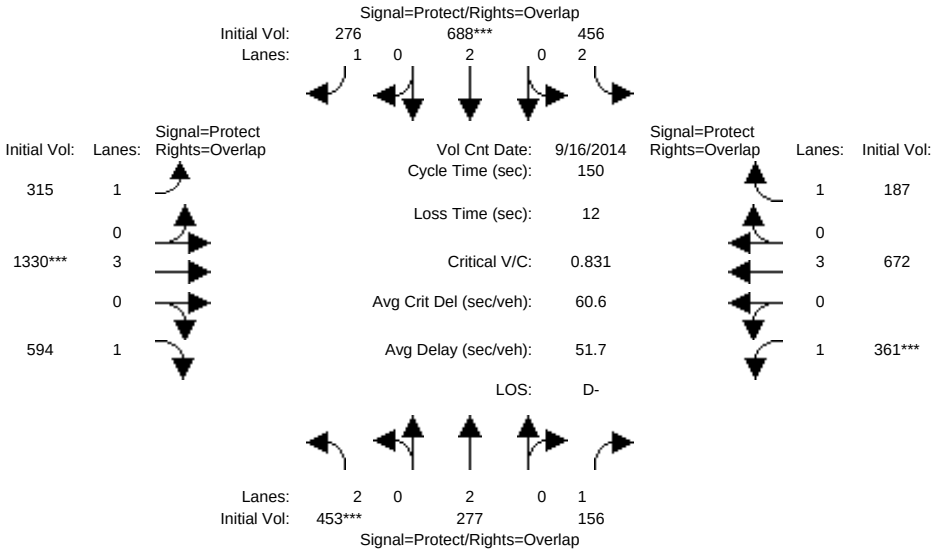
Note: Queue reported is the distance per lane in feet.

Copyright (c) 2008 Dowling Associates, Inc. Licensed to TJKM, PLEASANTON, CA

City of San Jose
Citywide Traffix Database
(updated July 2, 2014)

Level Of Service Computation Report
2000 HCM Operations (Future Volume Alternative)
Cumulative plus Project (PM)

Intersection # 1 (City ID 3076): BERRYESSA ROAD/LUNDY AVENUE



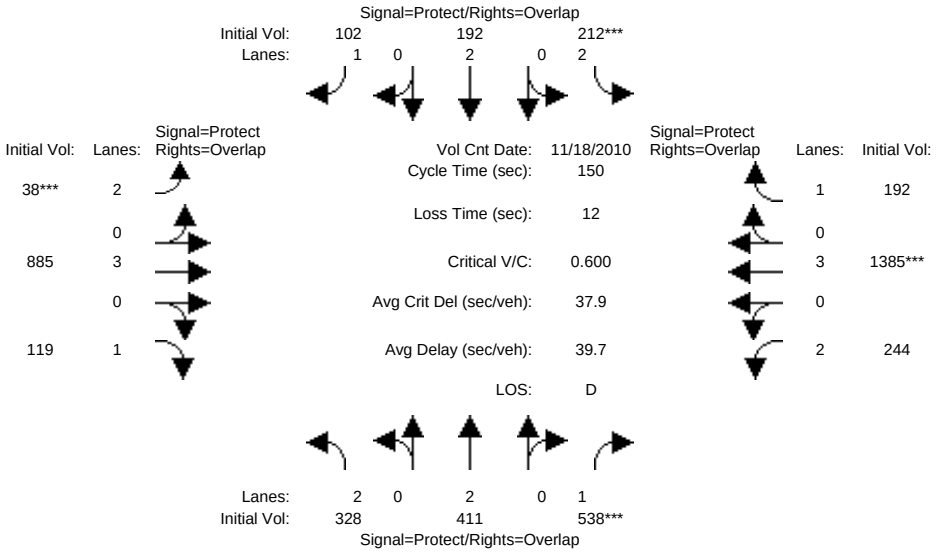
Street Name:	LUNDY AVENUE						BERRYESSA ROAD					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L -	T -	R	L -	T -	R	L -	T -	R	L -	T -	R
Min. Green:	7	10	10	7	10	10	7	10	10	7	10	10
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Volume Module: >> Count Date: 16 Sep 2014 << 4:40-5:40PM												
Base Vol:	429	264	149	429	652	263	298	1267	566	344	636	178
Growth Adj:	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05
Initial Bse:	450	277	156	450	685	276	313	1330	594	361	668	187
Added Vol:	3	0	0	6	3	0	2	0	0	0	4	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	453	277	156	456	688	276	315	1330	594	361	672	187
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	453	277	156	456	688	276	315	1330	594	361	672	187
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	453	277	156	456	688	276	315	1330	594	361	672	187
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	453	277	156	456	688	276	315	1330	594	361	672	187
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.83	1.00	0.92	0.83	1.00	0.92	0.92	1.00	0.92	0.92	1.00	0.92
Lanes:	2.00	2.00	1.00	2.00	2.00	1.00	1.00	3.00	1.00	1.00	3.00	1.00
Final Sat.:	3150	3800	1750	3150	3800	1750	1750	5700	1750	1750	5700	1750
Capacity Analysis Module:												
Vol/Sat:	0.14	0.07	0.09	0.14	0.18	0.16	0.18	0.23	0.34	0.21	0.12	0.11
Crit Moves:	****				****			****		****		
Green Time:	26.0	19.6	56.9	39.0	32.7	80.6	48.0	42.1	68.1	37.2	31.4	70.4
Volume/Cap:	0.83	0.56	0.24	0.56	0.83	0.29	0.56	0.83	0.75	0.83	0.56	0.23
Uniform Del:	59.9	61.1	31.7	48.0	56.0	19.1	42.3	50.6	33.9	53.4	53.1	23.6
IncremntDel:	10.4	1.4	0.2	0.9	7.1	0.2	1.3	3.8	3.9	12.7	0.6	0.1
InitQueuDel:	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Delay Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Delay/Veh:	70.3	62.5	31.9	48.9	63.2	19.2	43.6	54.5	37.8	66.1	53.8	23.8
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	70.3	62.5	31.9	48.9	63.2	19.2	43.6	54.5	37.8	66.1	53.8	23.8
LOS by Move:	E	E	C	D	E	B-	D	D-	D+	E	D-	C
HCM2k95thQ:	635	315	250	507	744	346	585	887	1028	815	444	259

Copyright (c) 2008 Dowling Associates, Inc. Licensed to TJKM, PLEASANTON, CA

City of San Jose
Citywide Traffix Database
(updated July 2, 2014)

Level Of Service Computation Report
2000 HCM Operations (Future Volume Alternative)
Cumulative plus Project (AM)

Intersection # 2 (City ID 3295): BERRYESSA ROAD/FLICKINGER AVENUE



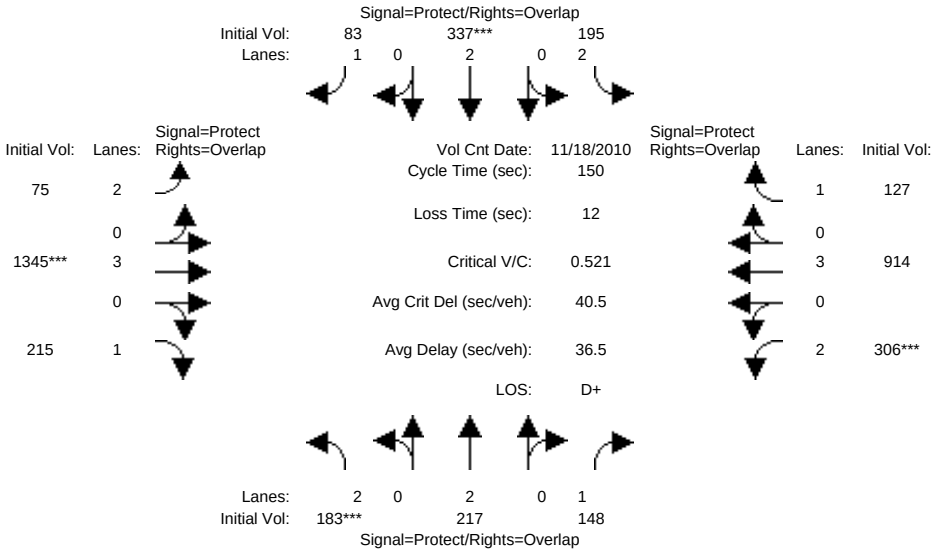
Street Name:	FLICKINGER AVENUE						BERRYESSA ROAD					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L -	T -	R	L -	T -	R	L -	T -	R	L -	T -	R
Min. Green:	7	10	10	7	10	10	7	10	10	7	10	10
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Volume Module: >> Count Date: 18 Nov 2010 << 730-830AM												
Base Vol:	310	391	512	202	183	95	35	835	112	232	1309	183
Growth Adj:	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05
Initial Bse:	326	411	538	212	192	100	37	877	118	244	1374	192
Added Vol:	2	0	0	0	0	2	1	8	1	0	11	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	328	411	538	212	192	102	38	885	119	244	1385	192
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	328	411	538	212	192	102	38	885	119	244	1385	192
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	328	411	538	212	192	102	38	885	119	244	1385	192
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	328	411	538	212	192	102	38	885	119	244	1385	192
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.83	1.00	0.92	0.83	1.00	0.92	0.83	1.00	0.92	0.83	1.00	0.92
Lanes:	2.00	2.00	1.00	2.00	2.00	1.00	2.00	3.00	1.00	2.00	3.00	1.00
Final Sat.:	3150	3800	1750	3150	3800	1750	3150	5700	1750	3150	5700	1750
Capacity Analysis Module:												
Vol/Sat:	0.10	0.11	0.31	0.07	0.05	0.06	0.01	0.16	0.07	0.08	0.24	0.11
Crit Moves:			****	****			****				****	
Green Time:	43.9	55.7	77.7	16.3	28.2	35.2	7.0	44.0	87.9	21.9	58.9	75.3
Volume/Cap:	0.36	0.29	0.59	0.62	0.27	0.25	0.26	0.53	0.12	0.53	0.62	0.22
Uniform Del:	41.9	33.2	25.2	63.9	52.1	46.7	69.0	44.3	13.8	59.3	36.5	20.9
IncremntDel:	0.2	0.1	1.1	3.4	0.2	0.3	0.9	0.3	0.1	1.2	0.5	0.1
InitQueuDel:	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Delay Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Delay/Veh:	42.1	33.3	26.2	67.3	52.3	47.0	69.9	44.6	13.8	60.4	37.1	21.0
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	42.1	33.3	26.2	67.3	52.3	47.0	69.9	44.6	13.8	60.4	37.1	21.0
LOS by Move:	D	C-	C	E	D-	D	E	D	B	E	D+	C+
HCM2k95thQ:	335	309	787	312	188	201	64	517	127	321	736	251

Copyright (c) 2008 Dowling Associates, Inc. Licensed to TJKM, PLEASANTON, CA

City of San Jose
Citywide Traffix Database
(updated July 2, 2014)

Level Of Service Computation Report
2000 HCM Operations (Future Volume Alternative)
Cumulative plus Project (PM)

Intersection # 2 (City ID 3295): BERRYESSA ROAD/FLICKINGER AVENUE



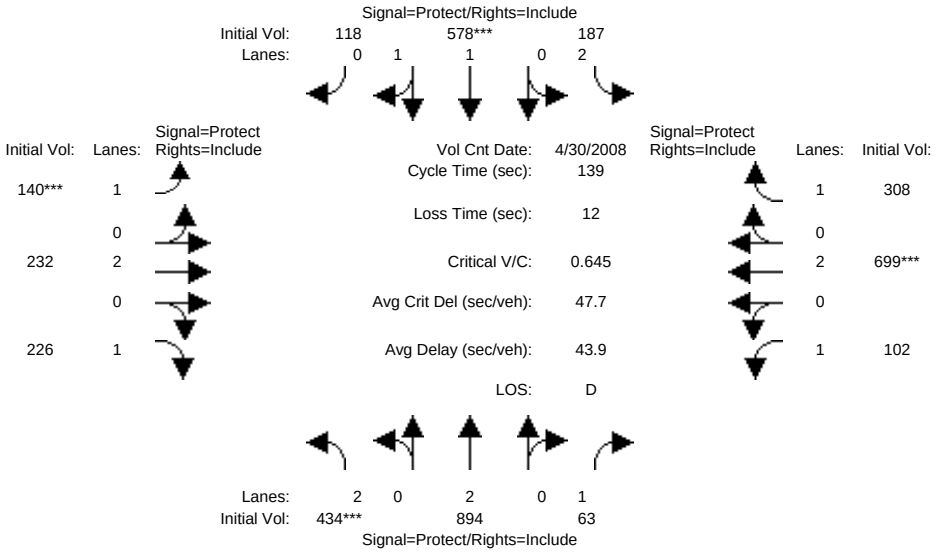
Street Name:	FLICKINGER AVENUE						BERRYESSA ROAD					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L -	T -	R	L -	T -	R	L -	T -	R	L -	T -	R
Min. Green:	7	10	10	7	10	10	7	10	10	7	10	10
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Volume Module: >> Count Date: 18 Nov 2010 << 445-545PM												
Base Vol:	173	207	141	186	321	78	70	1278	204	291	868	121
Growth Adj:	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05
Initial Bse:	182	217	148	195	337	82	74	1342	214	306	911	127
Added Vol:	1	0	0	0	0	1	1	3	1	0	3	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	183	217	148	195	337	83	75	1345	215	306	914	127
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	183	217	148	195	337	83	75	1345	215	306	914	127
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	183	217	148	195	337	83	75	1345	215	306	914	127
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	183	217	148	195	337	83	75	1345	215	306	914	127
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.83	1.00	0.92	0.83	1.00	0.92	0.83	1.00	0.92	0.83	1.00	0.92
Lanes:	2.00	2.00	1.00	2.00	2.00	1.00	2.00	3.00	1.00	2.00	3.00	1.00
Final Sat.:	3150	3800	1750	3150	3800	1750	3150	5700	1750	3150	5700	1750
Capacity Analysis Module:												
Vol/Sat:	0.06	0.06	0.08	0.06	0.09	0.05	0.02	0.24	0.12	0.10	0.16	0.07
Crit Moves:	****				****			****		****		
Green Time:	16.7	21.9	49.8	20.3	25.5	47.1	21.6	67.9	84.6	27.9	74.2	94.5
Volume/Cap:	0.52	0.39	0.25	0.46	0.52	0.15	0.16	0.52	0.22	0.52	0.32	0.12
Uniform Del:	62.9	58.0	36.6	59.7	56.7	37.0	56.3	29.4	16.3	55.0	22.8	11.1
IncremntDel:	1.4	0.5	0.2	0.8	0.8	0.1	0.2	0.2	0.1	0.8	0.1	0.0
InitQueuDel:	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Delay Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Delay/Veh:	64.3	58.5	36.8	60.5	57.4	37.2	56.5	29.6	16.4	55.9	22.9	11.1
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	64.3	58.5	36.8	60.5	57.4	37.2	56.5	29.6	16.4	55.9	22.9	11.1
LOS by Move:	E	E+	D+	E	E+	D+	E+	C	B	E+	C+	B+
HCM2k95thQ:	260	232	255	259	352	145	94	639	250	375	382	123

Copyright (c) 2008 Dowling Associates, Inc. Licensed to TJKM, PLEASANTON, CA

City of San Jose
Citywide Traffix Database
(updated July 2, 2014)

Level Of Service Computation Report
2000 HCM Operations (Future Volume Alternative)
Cumulative plus Project (AM)

Intersection # 3 (City ID 3623): KING ROAD/MABURY ROAD



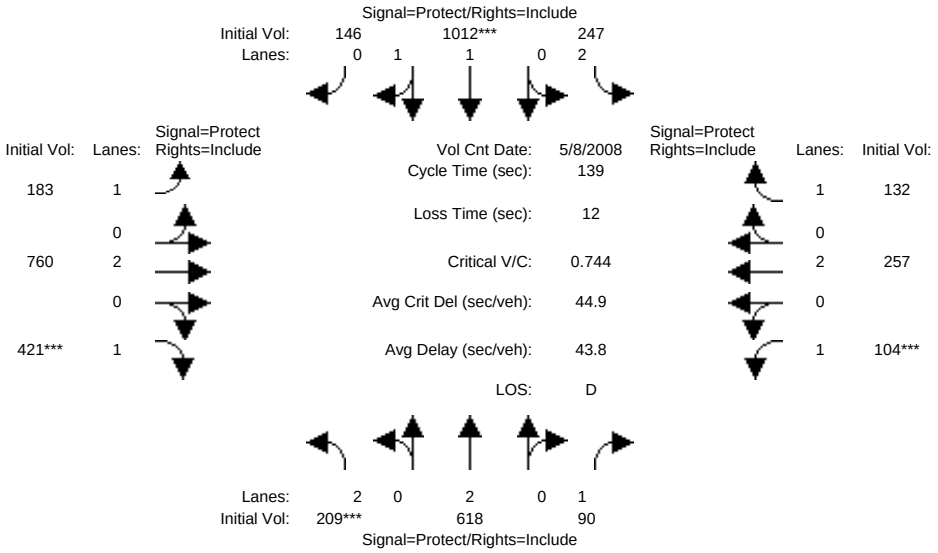
Street Name:	KING ROAD						MABURY ROAD					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L -	T -	R	L -	T -	R	L -	T -	R	L -	T -	R
Min. Green:	7	10	10	7	10	10	7	10	10	7	10	10
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Volume Module: >> Count Date: 30 Apr 2008 << 7:30-8:30AM												
Base Vol:	413	846	60	177	547	111	131	221	215	97	666	291
Growth Adj:	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05
Initial Bse:	434	888	63	186	574	117	138	232	226	102	699	306
Added Vol:	0	6	0	1	4	1	2	0	0	0	0	2
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	434	894	63	187	578	118	140	232	226	102	699	308
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	434	894	63	187	578	118	140	232	226	102	699	308
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	434	894	63	187	578	118	140	232	226	102	699	308
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	434	894	63	187	578	118	140	232	226	102	699	308
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.83	1.00	0.92	0.83	0.98	0.95	0.92	1.00	0.92	0.92	1.00	0.92
Lanes:	2.00	2.00	1.00	2.00	1.65	0.35	1.00	2.00	1.00	1.00	2.00	1.00
Final Sat.:	3150	3800	1750	3150	3075	625	1750	3800	1750	1750	3800	1750
Capacity Analysis Module:												
Vol/Sat:	0.14	0.24	0.04	0.06	0.19	0.19	0.08	0.06	0.13	0.06	0.18	0.18
Crit Moves:	****				****		****				****	
Green Time:	29.7	56.1	56.1	14.1	40.5	40.5	17.2	39.2	39.2	17.7	39.6	39.6
Volume/Cap:	0.65	0.58	0.09	0.58	0.65	0.65	0.65	0.22	0.46	0.46	0.65	0.62
Uniform Del:	49.9	32.4	25.7	59.6	43.0	43.0	58.0	38.2	41.2	56.2	43.5	43.1
IncremntDel:	2.2	0.6	0.1	2.7	1.4	1.4	6.6	0.1	0.7	1.5	1.4	2.3
InitQueuDel:	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Delay Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Delay/Veh:	52.0	32.9	25.7	62.4	44.3	44.3	64.6	38.3	41.8	57.7	44.9	45.4
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	52.0	32.9	25.7	62.4	44.3	44.3	64.6	38.3	41.8	57.7	44.9	45.4
LOS by Move:	D-	C-	C	E	D	D	E	D+	D	E+	D	D
HCM2k95thQ:	497	654	89	263	611	611	340	184	404	233	603	570

Copyright (c) 2008 Dowling Associates, Inc. Licensed to TJKM, PLEASANTON, CA

City of San Jose
Citywide Traffix Database
(updated July 2, 2014)

Level Of Service Computation Report
2000 HCM Operations (Future Volume Alternative)
Cumulative plus Project (PM)

Intersection # 3 (City ID 3623): KING ROAD/MABURY ROAD



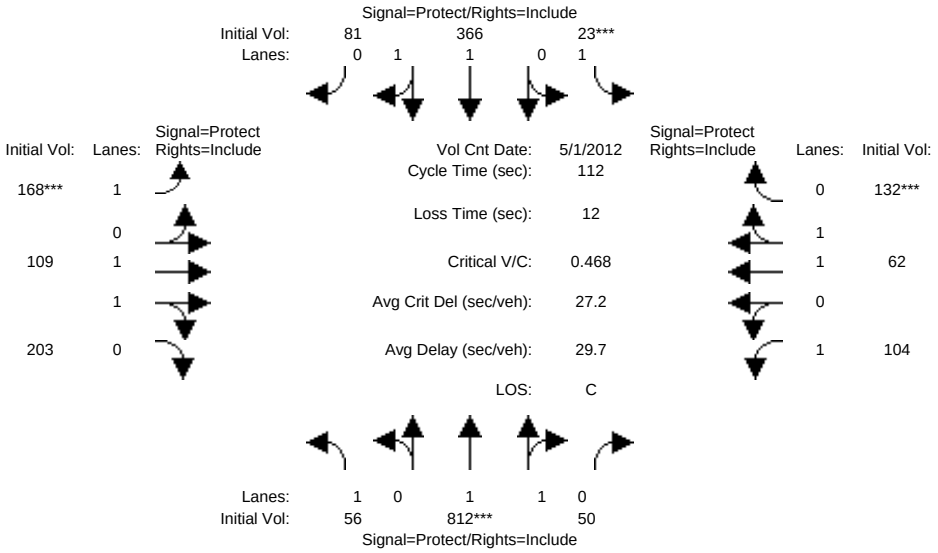
Street Name:	KING ROAD						MABURY ROAD					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L -	T -	R	L -	T -	R	L -	T -	R	L -	T -	R
Min. Green:	7	10	10	7	10	10	7	10	10	7	10	10
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Volume Module: >> Count Date: 8 May 2008 << 4:45-5:45PM												
Base Vol:	199	587	86	234	962	138	173	724	401	99	245	125
Growth Adj:	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05
Initial Bse:	209	616	90	246	1010	145	182	760	421	104	257	131
Added Vol:	0	2	0	1	2	1	1	0	0	0	0	1
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	209	618	90	247	1012	146	183	760	421	104	257	132
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	209	618	90	247	1012	146	183	760	421	104	257	132
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	209	618	90	247	1012	146	183	760	421	104	257	132
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	209	618	90	247	1012	146	183	760	421	104	257	132
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.83	1.00	0.92	0.83	0.98	0.95	0.92	1.00	0.92	0.92	1.00	0.92
Lanes:	2.00	2.00	1.00	2.00	1.74	0.26	1.00	2.00	1.00	1.00	2.00	1.00
Final Sat.:	3150	3800	1750	3150	3233	466	1750	3800	1750	1750	3800	1750
Capacity Analysis Module:												
Vol/Sat:	0.07	0.16	0.05	0.08	0.31	0.31	0.10	0.20	0.24	0.06	0.07	0.08
Crit Moves:	****				****				****	****		
Green Time:	12.4	47.9	47.9	23.0	58.5	58.5	32.5	45.0	45.0	11.1	23.6	23.6
Volume/Cap:	0.74	0.47	0.15	0.47	0.74	0.74	0.45	0.62	0.74	0.74	0.40	0.45
Uniform Del:	61.7	35.7	31.5	52.5	33.9	33.9	45.5	39.8	41.9	62.6	51.4	51.9
IncremntDel:	10.2	0.3	0.1	0.7	2.0	2.0	0.8	1.0	5.3	19.2	0.4	1.1
InitQueuDel:	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Delay Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Delay/Veh:	72.0	35.9	31.6	53.2	35.9	35.9	46.3	40.7	47.2	81.8	51.8	52.9
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	72.0	35.9	31.6	53.2	35.9	35.9	46.3	40.7	47.2	81.8	51.8	52.9
LOS by Move:	E	D+	C	D-	D+	D+	D	D	D	F	D-	D-
HCM2k95thQ:	327	470	141	292	922	922	348	619	785	303	248	279

Copyright (c) 2008 Dowling Associates, Inc. Licensed to TJKM, PLEASANTON, CA

City of San Jose
Citywide Traffix Database
(updated July 2, 2014)

Level Of Service Computation Report
2000 HCM Operations (Future Volume Alternative)
Cumulative plus Project (AM)

Intersection # 4 (City ID 3661): LUNDY AVENUE/SIERRA ROAD



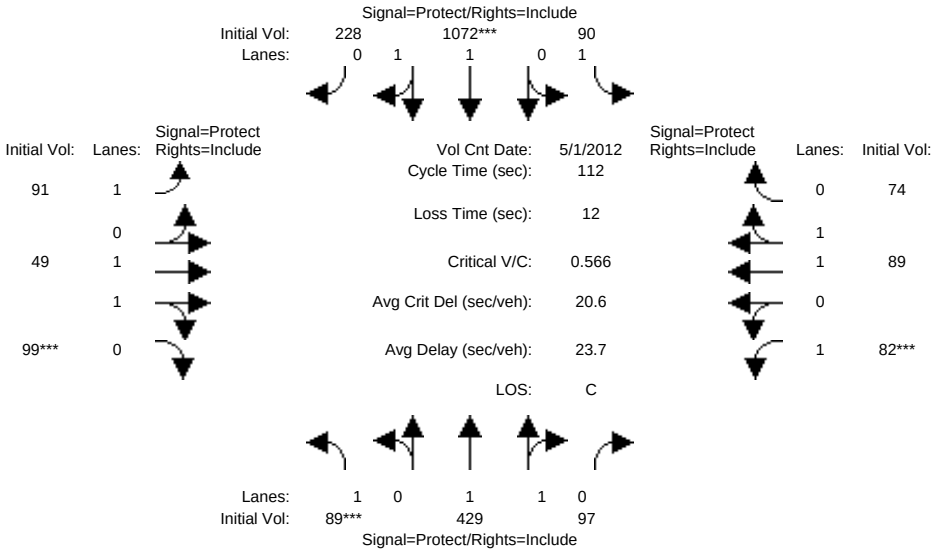
Street Name:	LUNDY AVENUE						SIERRA ROAD					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L -	T -	R	L -	T -	R	L -	T -	R	L -	T -	R
Min. Green:	7	10	10	7	10	10	7	10	10	7	10	10
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Volume Module: >> Count Date: 1 May 2012 << 7:30-8:30AM												
Base Vol:	52	770	47	22	345	77	160	104	192	98	59	126
Growth Adj:	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05
Initial Bse:	55	809	49	23	362	81	168	109	202	103	62	132
Added Vol:	1	3	1	0	4	0	0	0	1	1	0	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	56	812	50	23	366	81	168	109	203	104	62	132
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	56	812	50	23	366	81	168	109	203	104	62	132
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	56	812	50	23	366	81	168	109	203	104	62	132
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	56	812	50	23	366	81	168	109	203	104	62	132
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.92	0.98	0.95	0.92	0.98	0.95	0.92	1.00	0.92	0.92	1.00	0.92
Lanes:	1.00	1.88	0.12	1.00	1.63	0.37	1.00	1.00	1.00	1.00	1.00	1.00
Final Sat.:	1750	3484	216	1750	3030	669	1750	1900	1750	1750	1900	1750
Capacity Analysis Module:												
Vol/Sat:	0.03	0.23	0.23	0.01	0.12	0.12	0.10	0.06	0.12	0.06	0.03	0.08
Crit Moves:		****		****			****					****
Green Time:	20.6	53.6	53.6	7.0	39.9	39.9	22.1	25.6	25.6	13.8	17.4	17.4
Volume/Cap:	0.17	0.49	0.49	0.21	0.34	0.34	0.49	0.25	0.51	0.48	0.21	0.49
Uniform Del:	38.5	19.9	19.9	49.9	26.4	26.4	39.9	35.3	37.7	45.7	41.3	43.2
IncremntDel:	0.3	0.2	0.2	1.0	0.2	0.2	1.1	0.1	0.7	1.7	0.1	0.9
InitQueuDel:	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Delay Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Delay/Veh:	38.7	20.1	20.1	50.8	26.5	26.5	41.0	35.4	38.4	47.4	41.4	44.2
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	38.7	20.1	20.1	50.8	26.5	26.5	41.0	35.4	38.4	47.4	41.4	44.2
LOS by Move:	D+	C+	C+	D	C	C	D	D+	D+	D	D	D
HCM2k95thQ:	91	474	474	52	278	278	287	156	332	205	99	244

Copyright (c) 2008 Dowling Associates, Inc. Licensed to TJKM, PLEASANTON, CA

City of San Jose
Citywide Traffix Database
(updated July 2, 2014)

Level Of Service Computation Report
2000 HCM Operations (Future Volume Alternative)
Cumulative plus Project (PM)

Intersection # 4 (City ID 3661): LUNDY AVENUE/SIERRA ROAD



Street Name:	LUNDY AVENUE						SIERRA ROAD					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L -	T -	R	L -	T -	R	L -	T -	R	L -	T -	R
Min. Green:	7	10	10	7	10	10	7	10	10	7	10	10
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Volume Module: >> Count Date: 1 May 2012 << 5:00-6:00PM												
Base Vol:	85	408	92	86	1020	217	87	47	94	78	85	70
Growth Adj:	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05
Initial Bse:	89	428	97	90	1071	228	91	49	99	82	89	74
Added Vol:	0	1	0	0	1	0	0	0	0	0	0	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	89	429	97	90	1072	228	91	49	99	82	89	74
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	89	429	97	90	1072	228	91	49	99	82	89	74
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	89	429	97	90	1072	228	91	49	99	82	89	74
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	89	429	97	90	1072	228	91	49	99	82	89	74
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.92	0.98	0.95	0.92	0.98	0.95	0.92	1.00	0.92	0.92	1.00	0.95
Lanes:	1.00	1.62	0.38	1.00	1.64	0.36	1.00	1.00	1.00	1.00	1.07	0.93
Final Sat.:	1750	3020	679	1750	3051	648	1750	1900	1750	1750	2028	1670
Capacity Analysis Module:												
Vol/Sat:	0.05	0.14	0.14	0.05	0.35	0.35	0.05	0.03	0.06	0.05	0.04	0.04
Crit Moves:	****				****				****	****		
Green Time:	10.1	55.3	55.3	24.3	69.5	69.5	8.4	11.2	11.2	9.3	12.0	12.0
Volume/Cap:	0.57	0.29	0.29	0.24	0.57	0.57	0.70	0.26	0.57	0.57	0.41	0.41
Uniform Del:	48.9	16.7	16.7	36.2	12.4	12.4	50.5	46.6	48.1	49.4	46.7	46.7
IncremntDel:	4.7	0.1	0.1	0.3	0.3	0.3	15.0	0.2	2.9	5.2	0.7	0.7
InitQueuDel:	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Delay Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Delay/Veh:	53.6	16.8	16.8	36.5	12.8	12.8	65.6	46.9	51.0	54.6	47.4	47.4
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	53.6	16.8	16.8	36.5	12.8	12.8	65.6	46.9	51.0	54.6	47.4	47.4
LOS by Move:	D-	B	B	D+	B	B	E	D	D-	D-	D	D
HCM2k95thQ:	200	261	261	142	599	599	233	90	214	189	155	155

Copyright (c) 2008 Dowling Associates, Inc. Licensed to TJKM, PLEASANTON, CA

This page intentionally left blank

This page intentionally left blank

`

Vision That Moves Your Community

TJKM

Corporate Office
4305 Hacienda Drive, Suite 550
Pleasanton, CA, 94588.
Phone: (925) 463 - 0611