Appendix V:

Farmland Conversion Impact Rating Form

U.S. Department of Agriculture

FARMLAND CONVERSION IMPACT RATING

PART I *(To be completed by Federal Agency)*	Date Of Land Evaluation Request 5/8/09
Name Of Project Horseshoe Grande EIS	Federal Agency Involved Bureau of Indian Affairs
Proposed Land Use Commercial	County And State Riverside, CA (City of San Jacinto)
PART II *(To be completed by NRCS)*	Date Request Received By NRCS 5/11/09

Does the site contain prime, unique, statewide or local important farmland? *(If no, the FPPA does not apply -- do not complete additional parts of this form).*	Yes ☐	No ☑	Acres Irrigated ---------------	Average Farm Size 180 acres

Major Crop(s) Row crops, Citrus, Potatoes	Farmable Land In Govt. Jurisdiction Acres: --------------- % 0	Amount Of Farmland As Defined in FPPA Acres: --------------- % 0
Name Of Land Evaluation System Used Storie Index	Name Of Local Site Assessment System --	Date Land Evaluation Returned By NRCS 5/28/09

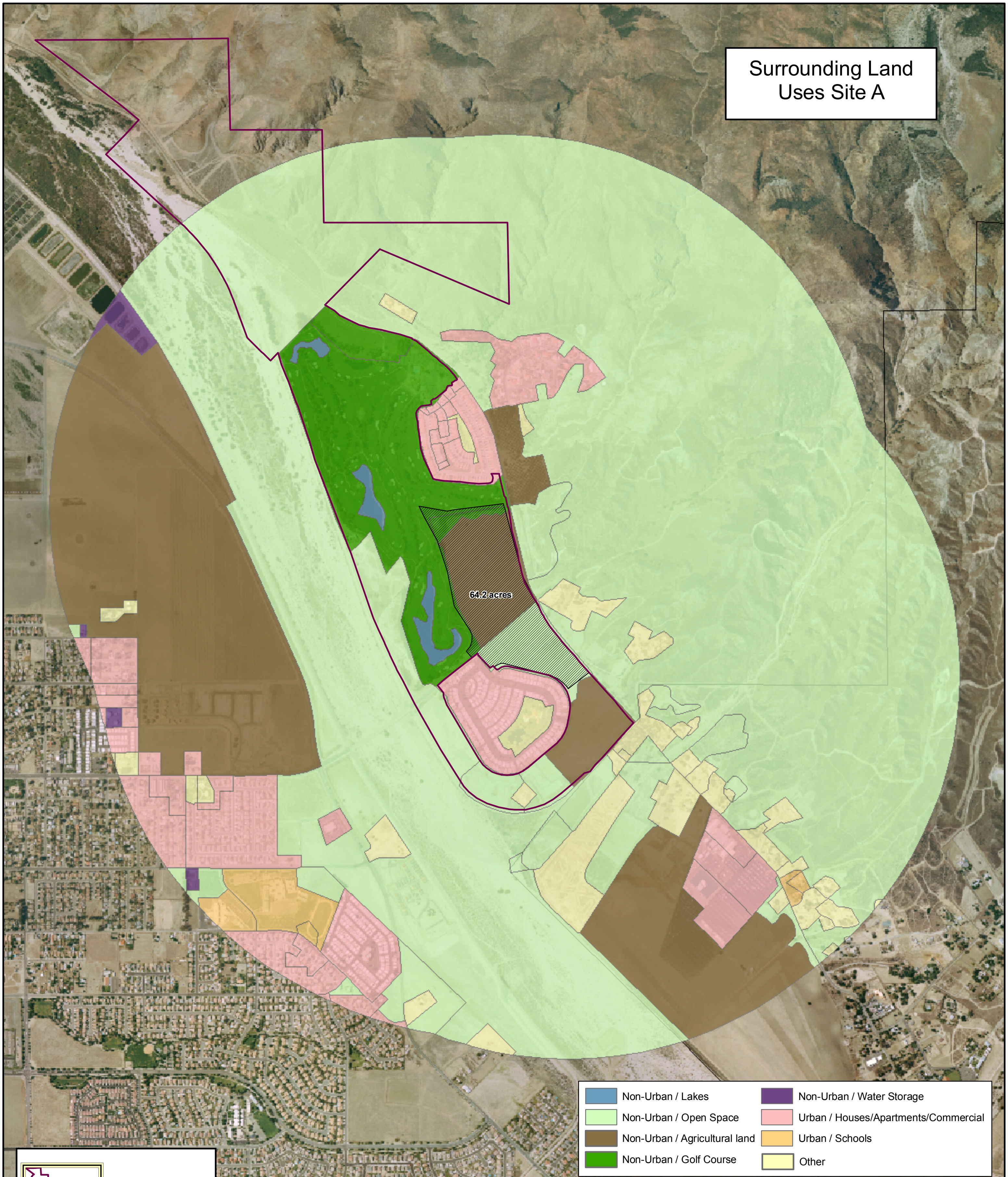
	Maximum Points	Alternative Site Rating			
PART III *(To be completed by Federal Agency)*		Site A	Site B	Site C	Site D
A. Total Acres To Be Converted Directly		64.2	64.2	27.8	46.5
B. Total Acres To Be Converted Indirectly		0.0	0.0	0.0	0.0
C. Total Acres In Site		64.2	64.2	27.8	46.5
PART IV *(To be completed by NRCS)* Land Evaluation Information					
A. Total Acres Prime And Unique Farmland		0.0	0.0	0.0	0.0
B. Total Acres Statewide And Local Important Farmland		0.0	0.0	0.0	0.0
C. Percentage Of Farmland In County Or Local Govt. Unit To Be Converted		0.0	0.0	0.0	0.0
D. Percentage Of Farmland In Govt. Jurisdiction With Same Or Higher Relative Value		0.0	0.0	0.0	0.0
PART V *(To be completed by NRCS)* Land Evaluation Criterion Relative Value Of Farmland To Be Converted *(Scale of 0 to 100 Points)*		69	69	71	45
PART VI *(To be completed by Federal Agency)* Site Assessment Criteria *(These criteria are explained in 7 CFR 658.5(b)*	Maximum Points				
1. Area In Nonurban Use		15	15	15	13
2. Perimeter In Nonurban Use		8	8	8	5
3. Percent Of Site Being Farmed		0	0	0	0
4. Protection Provided By State And Local Government		0	0	0	0
5. Distance From Urban Builtup Area		5	5	5	5
6. Distance To Urban Support Services		0	0	0	0
7. Size Of Present Farm Unit Compared To Average		3	3	0	0
8. Creation Of Nonfarmable Farmland		0	0	0	0
9. Availability Of Farm Support Services		0	0	0	0
10. On-Farm Investments		0	0	0	0
11. Effects Of Conversion On Farm Support Services		0	0	0	0
12. Compatibility With Existing Agricultural Use		10	10	10	10
TOTAL SITE ASSESSMENT POINTS	160	41	41	38	33
PART VII *(To be completed by Federal Agency)*					
Relative Value Of Farmland *(From Part V)*	100	69	69	71	45
Total Site Assessment *(From Part VI above or a local site assessment)*	160	41	41	38	33
TOTAL POINTS *(Total of above 2 lines)*	260	110	110	109	78

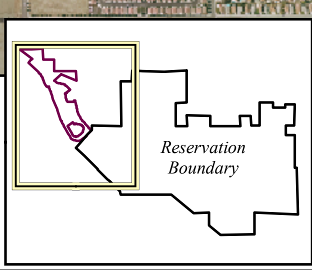
Site Selected:	Date Of Selection	Was A Local Site Assessment Used? Yes ☐ No ☐

Reason For Selection:

(See Instructions on reverse side) **Form AD-1006 (10-83)**

This form was electronically produced by National Production Services Staff





Site A- Proposed Action
Horseshoe Grande Property
Reservation Boundary

ENTRIX
MAY 2010 - D R A F T

0 500 1,000 1,500 2,000
Feet

Aerial Imagery: Digital Globe, Inc. September 2007
Proposed Site Plan: JMA

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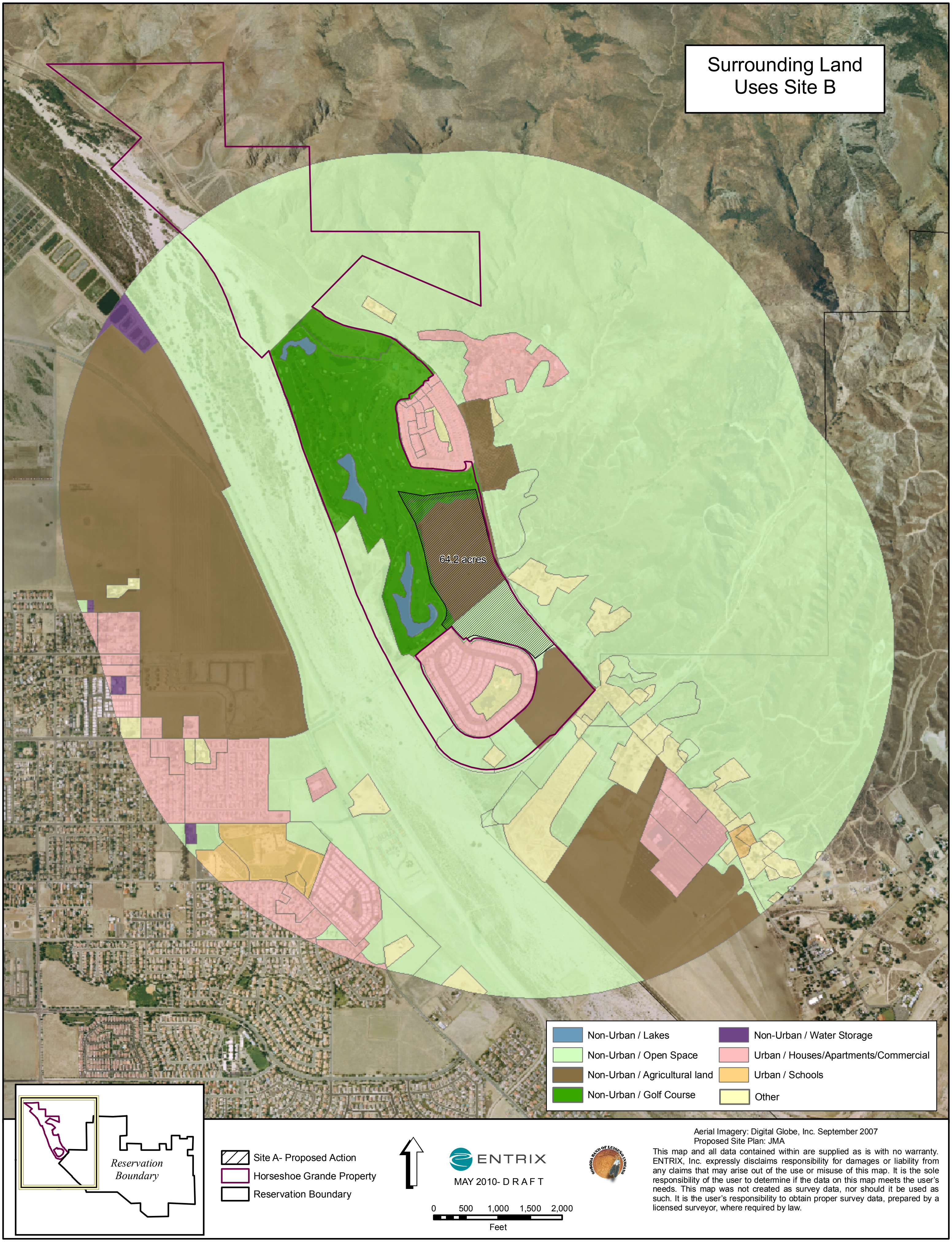

Aerial Imagery: Digital Globe, Inc. September 2007
Proposed Site Plan: JMA

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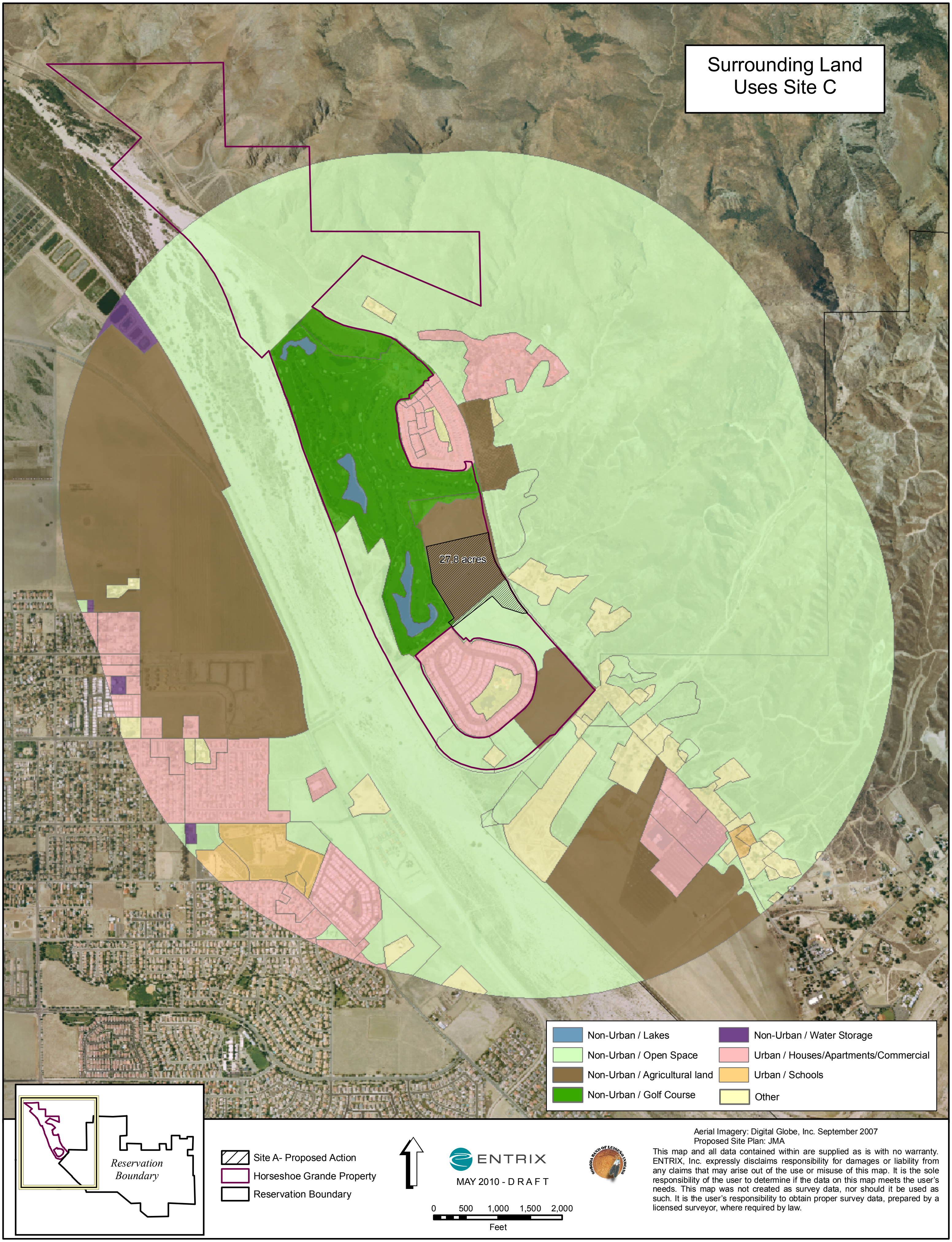

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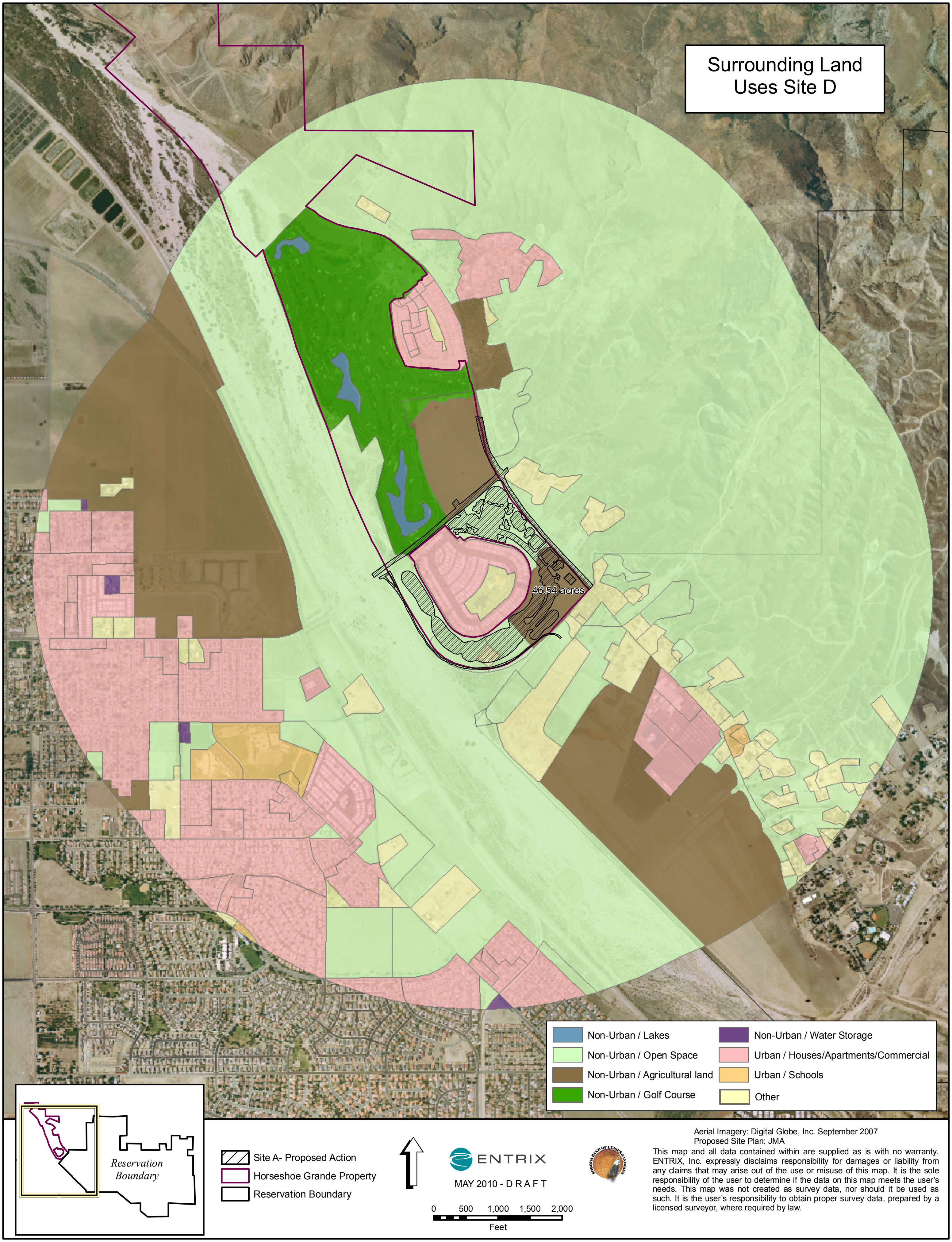

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Table 1: Non-Urban vs. Urban Land Use Acreage within 1 mile of Proposed Action (Site A), Alternative 1 (Site B), and Alternative 2 (Site C)

Summary of Acreage	**ACRES**
Site Assessment	**Total**
Non-Urban-Lakes	11.77
Non-Urban Open Space	1962.78
Non-Urban-Agricultural land	521.22
Non-Urban-Cemetery	1.57
Non-Urban-Farm Storage	6.72
Non-Urban-Golf Course	162.50
Non-Urban-Non paved parks and recreational areas	13.30
Non-Urban-Rural Residential	68.15
Non-Urban-Water Storage	11.24
Urban-Houses/Apartments/Commercial	260.83
Urban-Institutional	0.11
Urban-Medical Building	2.45
Urban-Schools	34.97
Grand Total	**3057.62**

#2…..Less than 20% of perimeter of site boundary borders on land in non-urban use
#6…..Water system lines/hydrants less than 1/2 mile of site
#7…..The agriculture land within the buffer has an average size of 104 acres

Table 2: Non-Urban vs. Urban Land Use Acreage within 1 mile of Alternative 3 (Site D)

Summary of Acreage	**ACRES**
Site Assessment	**Total**
Non-Urban -Lakes	11.77
Non-Urban Open Space	2079.37
Non-Urban-Agricultural land	517.11
Non-Urban-Cemetery	1.57
Non-Urban-Farm Storage	16.91
Non-Urban-Golf Course	162.51
Non-Urban-Non paved parks and recreational areas	16.05
Non-Urban-Rural Residential	99.77
Non-Urban-Water Storage	4.36
Urban-Houses/Apartments/Commercial	538.05
Urban-Institutional	2.43
Urban-Medical Building	2.53
Urban-Schools	37.29
Grand Total	**3489.70**

#2…..90-20% of perimeter of site boundary borders on land in non-urban use
#6…..Water system lines/hydrants less than 1/2 mile of site
#7…..The agricultural land within the buffer has an average size of 86 Acres

Appendix W:

Law Enforcement Services MOA

HORSESHOE GRANDE DEVELOPMENT IMPACT MITIGATION MEMORANDUM OF UNDERSTANDING FOR LAW ENFORCEMENT SERVICES BETWEEN THE SOBOBA BAND OF LUISEÑO INDIANS AND THE COUNTY OF RIVERSIDE

THIS MEMORANDUM OF UNDERSTANDING (hereinafter "MOU") is made and entered into by and between the SOBOBA BAND OF LUISEÑO INDIANS, a federally recognized Indian tribe (hereinafter "the Tribe") and the COUNTY OF RIVERSIDE, a political subdivision of the State of California, on behalf of the Riverside County Sheriff's Department (hereinafter "the County").

WHEREAS, the Tribe has requested the Bureau of Indian Affairs to acquire in trust approximately 535 acres of land in Riverside County currently held in fee by the Tribe, of which the Tribe proposes to develop approximately 55 acres, bordered by Lake Park Drive and Soboba Road, into a destination hotel/casino complex (as reflected in the May 2009 Executive Summary of the Horseshoe Grande Fee-to-Trust Project Draft Environmental Impact Study proposed by the Soboba Band of Luiseño Indians, page ES-1); and,

WHEREAS, the Tribe proposes to relocate its existing casino to the project site and to develop a 300-room hotel, restaurants, retail establishments, a convention center, an events arena and a spa and fitness center within a 729,500± square-foot complex, as well as a fire station, and a 12-pump gas station with a 6,000 square-foot convenience store ("Development"); and,

WHEREAS, as a matter of federal law, pursuant to Public Law 280 most state criminal laws continue to apply in Indian country, including the Tribe's Development, and the State retains jurisdiction over the enforcement of those laws; and,

WHEREAS, the County, through its Sheriff's Department, projects that law enforcement needs generated by the Development will require an additional full-time deputy over a 24-hour time period, which equates to five sworn deputy positions and one non-sworn Community Service Officer ("New Positions"), the cost of which the Tribe will reimburse the County.

NOW THEREFORE, the Tribe and the County hereby agree as follows:

1. PURPOSE

The Tribe agrees that its proposed Development will have an impact on law enforcement services provided by the County. To mitigate this impact, the Tribe and County have set forth in this MOU the law enforcement services which shall be implemented by the Sheriff upon initiation of construction and the opening of the Development facilities. The parties agree that the undertakings set forth in this Agreement fully and completely address to

DEC 1 3 2011 3.30

the satisfaction of the County the Development's projected impacts upon law enforcement services.

2. TERM

2.1 Effective Dates. This MOU shall be effective from December 13, 2011, through the end of the fifth full year following the grand opening of the Development.

2.2 Termination. Notwithstanding Paragraph 2.1 above, either party may terminate this MOU upon sixty (60) days notice in writing to the other party if the other party is in breach of its obligations under this MOU.

2.3 Implementation. One officer shall begin no later than fourteen (14) days prior to the groundbreaking; two additional officers no later than at the sixty percent (60%) completion date; and the final two officers and the Community Service Officer upon the grand opening of the Development.

3. SCOPE OF SERVICE

3.1 Sheriff agrees to utilize the New Positions to address additional law enforcement needs generated by the Development at the service level detailed in Attachment A. This service shall be provided to the Development and surrounding area. As of the date of MOU execution, this service level is the minimum level expected. Sheriff agrees to initiate this service incrementally if the Development facilities are opened in phases. Sheriff also agrees to provide all investigative support necessary to complete investigations conducted hereunder.

3.2 Sheriff shall have authority to enforce only those state laws applicable under P.L. 280 on the trust land, in the same manner and to the same extent as the Sheriff has such jurisdiction elsewhere in the County. Sheriff may enter the Development facilities in accordance with state law procedures in performance of the services hereunder. The Tribe shall allow Sheriff access to the Development without interference and unnecessary delay, and without Tribal escort. The Tribe and Sheriff shall cooperate in good faith to develop protocols for coordination with Tribal casino security and Tribal law enforcement of Sheriff's officers entering the Development.

3.3 Ninety (90) days prior to each anniversary of the date when the first New Position was filled, Sheriff or a designated representative shall meet and confer in good faith with the Tribe or its designated representative regarding staffing levels and costs for the coming year, and the amount payable by the Tribe to the County shall be adjusted accordingly as agreed upon by the parties. The adjusted amount shall be based upon: (a) actual costs for the prior year's calls for service; (b) a future workload analysis based on historic calls for service related to the Development; (c) the impact of Tribal casino security and law enforcement on the level of services required; and, (d) any proposed changes to or expansion of the development contemplated for the upcoming year.

3.4 In performing the services required by this MOU, Sheriff agrees to use that degree of care and skill ordinarily exercised under similar circumstances by law enforcement officers.

4. PROVISION OF SUPERVISION, LABOR, AND EQUIPMENT

4.1 Supervision. Supervision over the rendition of law enforcement services, the standards of performance, the discipline of officers, and other matters incident to the performance of such services and the control of personnel so employed shall remain with Sheriff.

4.2 Labor and Equipment. For the purpose of performing services, Sheriff shall furnish and supply all labor, supervision, equipment, and supplies necessary to maintain the level of service to be rendered hereunder. Location of the above will not necessarily be in the service area.

5. COMPENSATION

5.1 Payment Basis. Upon commencement of services, the Tribe shall reimburse Sheriff the cost of the New Positions at rates established periodically by the County Board of Supervisors, which rates shall include all items of cost and expense to the Sheriff for providing the services hereunder. Such cost of services shall be established in the form of hourly rates for Sheriff's Department personnel and vehicle mileage rates. "Cost" as used herein shall not include items of expense attributable to services or facilities normally provided or available to all territory within the County as part of the County's obligation to enforce state law.

Pursuant to Government Code Section 51350, County shall not charge the Tribe for services it would provide to any jurisdiction in the County free of charge. These services, which are provided at the discretion of County, could typically include the services of the Sheriff's Special Investigations Bureau, Emergency Services Team, Canine Unit and Aviation Unit.

5.2 Establishment of Costs. In FY 2011-12, the total service cost to the Tribe is estimated to be $1,123,000. The rates to be charged the Tribe shall be adjusted periodically, but not more than once each fiscal year, to reflect any changes in the cost to the County for providing services hereunder. The Tribe shall be notified of any change in the rates to be charged to the Tribe, and the Tribe shall be given the opportunity to review the proposed change with County personnel, prior to submittal of the proposed change to the County Board of Supervisors for adoption. The Tribe shall be notified of adoption by the County of the rates to be charged, and said new rates shall take effect on the same date as the County incurs the associated costs.

5.3 Payment of Costs. The Tribe shall provide initial funding for phasing in the New Positions per the three development milestones specified in Section 2.3. No later than (a) fourteen (14) days prior to the groundbreaking, (b) sixty percent (60%) completion, and (c) grand opening of the Development, the Tribe shall deposit with an escrow agent acceptable to the County an amount equal to the estimated cost for the provision of that level of service for the remainder of the fiscal year ending June 30^{th}. The escrow agent shall be instructed to release the funds to the County per the Sheriff's contract billing schedule. Within 30 days of the conclusion of each calendar month, the County will present a bill to the escrow agent for services rendered. Further, per Section 5.2, the County shall submit an annual bill to the escrow agent, reflecting the Board-approved rate adjustments. The escrow agent shall remit payment to the County within 30 days after receipt of such statements.

6. LIMITED WAIVER OF SOVEREIGN IMMUNITY

6.1 The Tribe hereby grants a limited waiver of its sovereign immunity from unconsented suits (hereinafter "limited waiver") as described herein solely for actions brought by the County, but not brought by any other person or entity, requesting specific performance against the Tribe to enforce the terms of this MOU. This limited waiver is to be strictly construed in favor of the Tribe and may be enforced only under the conditions and procedures set forth herein.

6.2 Meet and Confer. Prior to instituting an action hereunder, the County must first raise the matter in dispute for which it is seeking specific performance with the Tribal Council of the Tribe by requesting that a Meet and Confer be held. This notice shall be in writing and shall set the Meet and Confer for a time at least twenty-one days after the notice is delivered, and shall state the location for the meeting, which shall be held on the Development. The County and the Tribe may jointly decide to meet at another time and place. Attendees at the Meet and Confer shall have sufficient authority to resolve the matter at issue. Meet and Confer sessions shall be private. The parties agree to maintain the confidentiality of the Meet and Confer and shall not rely on, or introduce as evidence in any judicial or other proceeding: (a) views expressed or suggestions made by the other party with respect to a possible settlement of the dispute; (b) admissions made by the other party during Meet and Confer; (c) proposals made or views expressed; or (d) the fact that the other party had or had not indicated a willingness to accept a proposal. This section shall apply to anything communicated, exchanged, said, done or occurring in the course of the Meet and Confer. The Meet and Confer is to be considered a settlement negotiation for the purpose of all state and federal rules protecting disclosures made during such conference from later discovery or use in evidence. All conduct, statements, promises, offers, views and opinions, oral or written, made during a Meet and Confer by any party or a party's agent, representative, employee or attorney are confidential and, where appropriate, are to be considered work product and privileged. Such conduct, statements, promises, offers, views and opinions shall not be subject to discovery or admissible for any purpose, including impeachment, in any litigation or other proceeding involving the parties; provided, however, that evidence otherwise subject to discovery or admissible is not excluded from discovery or admission in evidence simply as a result of it having been used in connection with the Meet and Confer.

6.3 Claims for Specific Performance. An action for specific performance, if any, may only be brought by the County after a Meet and Confer is held, following the procedures set forth in subsection 6.2 above. No causes of action or claims in law or in equity are cognizable against the Tribe except actions against the Tribe itself for specific performance of this MOU (namely, the payments required of the Tribe under the MOU). No actual, consequential, punitive or other damages of any kind suffered by the County may be sought hereunder. The source of any specific performance award to be paid by the Tribe shall be limited to the general revenues of the Tribe and shall specifically exclude any funds from a federal, state, tribal or other governmental grant or contract, and shall further exclude any trust assets of the Tribe, any assets of its business enterprises, or those funds set aside for per capita distribution to Tribal members. This limited waiver does not allow any actions to be brought against Tribal council members, Tribal employees, Tribal agents, Tribal members, attorneys for the Tribe or any other individual acting on behalf of the Tribe.

Any cause of action or claim brought pursuant to this limited waiver shall be submitted for hearing in the State or Federal courts located in Riverside County. The parties specifically agree that the applicable court shall have jurisdiction to enter judgments enforcing the rights and remedies provided for in this MOU which shall be binding and enforceable on the parties, subject to the limitations set forth in this MOU. No party to this MOU shall contest jurisdiction or venue of the above-referenced courts, but only for claims or controversies arising from this MOU. Neither the County nor the Band shall plead or invoke the doctrine of exhaustion of Tribal or other administrative remedies, defenses of immunity or indispensable parties beyond those contemplated in this Agreement.

7. GENERAL

7.1 The persons signing this MOU warrant and represent that: (i) they have the full power to enter into this MOU on behalf of the parties; (ii) each party is entitled to conduct business as described herein; (iii) all actions and approvals have been taken which are necessary to make this MOU a binding and enforceable obligation of each party; and (iv) they are fully authorized to execute this MOU. Opinions from counsel representing the County and the Tribe confirming that their respective clients have validly approved this MOU will be delivered to the other party with the executed copy of this MOU.

7.2 Any notices required or desired to be served by either party upon the other shall be addressed to the respective parties as set forth below and shall be deemed received upon personal service, fax receipt, or 72 hours after deposit in the U.S. mail, 1st class, postage paid:

County	Tribe
Stanley L. Sniff Jr., Sheriff	Soboba Tribe of Luiseño Indians
Riverside County Sheriff's Department	P.O. Box 487
Post Office Box 512	San Jacinto, California 92581
Riverside, California 92502	Attn: Chairman

7.3 Any modification to this MOU must be in the form of a written amendment.

7.4 Unless otherwise stated, this MOU shall be construed under the laws of the State of California. In the event any action or proceeding is filed to interpret, enforce, challenge, or invalidate any term of this MOU, venue shall lie only in the State or federal courts located in Riverside County.

The undersigned hereby agree to each of the provisions of the foregoing Memorandum of Understanding:

SOBOBA BAND OF LUISEÑO INDIANS

Dated: 10/3/11

By: Scott Cozart
Scott Cozart, Chairman

COUNTY OF RIVERSIDE

By: 12/21/11
Stanley L. Sniff Jr., Sheriff-Coroner-PA

Dated: ____________

By: Bob Buster
Bob Buster, Chairman
Riverside County Board of Supervisors

FORM APPROVED COUNTY COUNSEL 6/23/11
BY: NEAL R. KIPNIS DATE

ATTEST:

Kecia Harper-Ihem
Clerk of the Board

By:
Deputy

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ATTACHMENT A

LEVEL OF MITIGATING LAW ENFORCEMENT SERVICE TO BE PROVIDED FOR THE CASINO/HOTEL FACILITIES KNOWN COLLECTIVELY AS THE HORSESHOE GRANDE PROJECT AND THE SURROUNDING AREA

Average Patrol Services

24.4 supported hours per day (Approximate equivalent of five (5) Deputy Sheriff positions @ 1,780 annual productive hours per position).

Dedicated Positions

One (1) Community Services Officer II position

Appendix X:

Phase I Environmental Site Assessment

ENTRIX
ENVIRONMENTAL CONSULTANTS

DRAFT

PHASE I ENVIRONMENTAL SITE ASSESSMENT
HORSESHOE GRANDE PROPERTY
SOBOBA BAND OF THE LUISENO INDIANS
SAN JACINTO, CA 92582

PREPARED FOR:
SOBOBA BAND OF THE LUISENO INDIANS
SAN JACINTO, CA 92582

PREPARED BY:
ENTRIX, INC.

Matthew Loxterman
Qualified Environmental Professional under ASTM 1527-05

William Rutherford
Qualified Environmental Professional under ASTM 1527-05

JULY 2007

EXECUTIVE SUMMARY

HORSESHOE GRANDE PROPERTY

SAN JACINTO CA 92582

ENTRIX, Inc. (ENTRIX) performed a Phase I Environmental Site Assessment (ESA) on 35 contiguous parcels that are currently owned by the Soboba Band of Luiseño Indians (Soboba Tribe). The parcels currently include the Country Club at Soboba Springs and adjacent vacant land (Subject Property). This ESA was performed under the current ESA standard, ASTM Standard Practice E1527-05 to identify Recognized Environmental Conditions or RECs that may pose detriment to the environmental integrity of the property and those properties surrounding the Site. The ASTM Standard Practice E1527-05 defines *Recognized Environmental Conditions* (RECs) as the presence or likely presence of any hazardous substances or petroleum products under conditions that indicate an existing release, a past release, or a material threat of a release into structures on the property or into the ground, groundwater, or surface water of the property.

The Soboba Band of Luiseño Indians proposes to transfer 35 parcels (i.e., totaling 534.97+ acres currently held in fee-title to trust status (Figure 1). This real estate is collectively known as the "Horseshoe Grande" property or Subject Property. The Tribe intends to relocate its existing casino, which presently resides on trust lands, to the Horseshoe Grande property. In addition to the fee-to-trust action and casino relocation, the proposed development at the Subject Property will also include the construction of a 200-250 room hotel, fire and police station, and 1.2 million gallon wastewater treatment plant.

The Horseshoe Grande property is located to the west of the existing Soboba Indian Reservation. The property is located adjacent to the eastern side of the San Jacinto River on the eastern edge of the San Jacinto Valley. Adjacent to the western side of the San Jacinto River lays a levee. To the east lie the Soboba Hot Springs and the foothills to the San Jacinto Mountains. The Subject Property is surrounded by vacant land and residential homes. The southern portion of the Subject Property is bound by agricultural and undeveloped lands.

The Soboba Indian Reservation is situated adjacent to the San Jacinto Valley to the west and at the base of the San Jacinto Mountains. Beyond the San Jacinto Valley lie the Lakeview Mountains to the west and the Santa Rosa Hills to the south.

Due to the size and the multiple functions of the Subject Property, the Site can be broken down into several areas of focus for this report, Golf Course Maintenance Facilities, 18-hole Golf Course, golf course club houses and associated offices, and vacant land. These areas and adjacent properties were inspected and/or observed as a part of this Phase I ESA.

The golf course maintenance facility contains the equipment for caring the golf course landscaping. The facility is located in the central area of the course along the western border or the Subject Property. The facility has specific areas for storing fertilizers, pesticides, herbicides, petroleum products, petroleum waste and other hazardous or regulated materials both within enclosed areas and outdoors. These materials are stored in a variety of containers, dry sacks, drums, storage tanks and buckets. One 1,550-gallon aboveground storage tank (AST) is located in the maintenance area within a concrete secondary containment. The tank is steel, and split into two compartments, 1,000-gallons of gasoline and 550-gallons for diesel fuel. Additionally, the maintenance facility has two areas for washing the course landscaping equipment such as mowers and lawn care product applicator vehicles. All surface water drains to the ground at the maintenance shop as well as the wastewater from the two wash areas.

The golf course club house complex is located at the northeast corner of the Subject Property and consists of tennis courts, in-ground pool, pool house for storing pool care chemicals, restaurant, kitchen, dining areas, golf shop, golf cart storage, locker rooms, offices, storage and parking lot. A new club house is under construction that will replace the dated club house built in the 1960s. Additional buildings are also planned for this area and will be used for guest services and entertainment.

The Subject Property also contains vacant land located to the north of Soboba Road, north-northwest of the Country Club at Soboba Springs. No permanent buildings were observed on this portion of the property, however several residential structures are located immediately east of this vacant land.

South of the golf course is a residential neighborhood that is not included in the Subject Property although the Subject Property wraps around the residential neighborhood to the south in a "U" shape or horseshoe. This portion of the Subject Property consists of vacant land, with the exception of an outdoor storage area for RVs and vehicles and abandoned, dilapidated building immediately south of the residential development.

The Country Club at Soboba Springs is listed on several regulatory agency databases that were searched by Environmental Data Resources, Inc. for potential previous or current environmental conditions that may impact the environmental integrity of the Subject Property. The databases searches include, but are not limited to sites that may have underground storage tanks (USTs), on-site or removed), documented or suspected releases from USTs, and soil and/or groundwater contamination. Additionally, the database searches identify Superfund, solid waste, closed landfill sites and hazardous material generators and recyclers.

The golf course is listed on the CA FID UST list, HAZNET and SWEEPS UST. No USTs were identified at the Site, however the USTs registered for the Site reflect the exact sizes of the gasoline and diesel AST that are located at the maintenance facility. The AST does not appear on the CA AST list. According to the UST database information provided by EDR, the tank was installed in February 1988. The CA HAZNET listing is a database that identifies sites or facilities that have hazardous waste disposal, although the site is not list as a generator of hazardous waste. The Site generates waste oil, anti-freeze, and oil filters.

Twenty-five unmappable sites were listed in the EDR report, yet none of the sites were within the ASTM recommended search distances and are not considered potential RECs.

The following RECs were identified:

REC: Storage of pesticides/herbicides/fungicides at Maintenance Facility

1. Obvious spill onto floor of storage shed and potential release into the septic system. The product spilled appeared to be Turf Mark®, which is a non-toxic liquid dye used as spray indicator to identify where you are applying the materials to the golf course landscaping, what product was mixed with the spray indicator was unknown. The spill appeared to be several gallons and was released potentially from a backpack sprayer that was leaking in the shed.

Recommendation: Have environmental disposal company remove and properly dispose of the materials within the catch-basin drain system in the storage room. Following removal and disposal of the contents, the outfall of the drain should be permanently plugged to prevent releases of potentially hazardous materials into the septic tank and associated leach beds. The contents of septic tank pumped to prevent potential unknown contaminant(s) mixed with the Turf Mark® from entering the drainfield.

2. The isolated chemical storage room for pesticides/herbicides/fungicides and other lawn care products contains a catch basin and effluent pipe leading to the septic system used at the facility.

Recommendation: See recommendation above.

3. Lack of product inventory sheet of the stored materials and associated Material Safety Data Sheets (MSDS).

Recommendation: Inventory products within storage shed and place notebook with associated MSDS should be located at and/or near the storage facility in case of another spill or emergency and to ensure proper handling, assessment, cleanup and disposal of the materials.

REC: Wastewater Discharge – Concrete Wash Area (Primary Wash Area)

4. Outfall of the drain located in the center of the concrete wash pad is a nearby pit that according to the Facility Manager, the liquids drain into the ground. The concrete wash pad has apparent cracks that may allow potential contaminants into the drainfield. Potential contaminants washed from equipment may contain traces of petroleum products and/or landscaping products such as pesticides/herbicides/fungicides and other lawn care products. These potential contaminants can be released into the subsurface and potentially adversely impacting soils. No oil-water separator is present anywhere at the facility.

Recommendation: Construct an isolated wash area that is contained to prevent improper discharge of waste water to the surface and subsurface soils. All waste water should be collected and properly treated ,and recycled or discharged upon appropriate treatment, such as passing all wash water through an oil-water separator with drains screened to trap lawn clippings. The new wash rack system or location should be sized to appropriately handle all equipment washing at the facility to prevent the use of secondary wash areas on exposed soils. Additionally, the concrete drain system should be cleaned and pumped if possible and subsurface investigations should be conducted to evaluate potential contaminants that may have been released into the surrounding soils.

5. Various drums of liquid herbicides and fertilizers, as well as unlabeled drums are located at the wash area without secondary containments and are within 10-feet of the concrete wash area drain.

Recommendation: The drum storage at the wash area should be moved to an isolated area away from any drains or sumps that may allow discharge to the environment. The drums should be stored on impervious surface or within secondary containments to minimize the threat of a release to the environment in the event of a spill.

6. Dry fertilizer and lawn care products are stored on pallets adjacent to the wash area and have obvious signs of spills. Wash water and rain water have potential to allow contaminants to impact the subsurface via the drain system.

Recommendation: Dry storage adjacent to the wash area should be moved to an isolated area away from any drains or sumps that may allow discharge to the environment. The drums should be stored on impervious surface or within secondary containments to minimize the threat of a release to the environment.

REC: Wastewater Discharge – Secondary Lawn/Maintenance Equipment Wash Area

7. This equipment wash area is approximately 20' x 20' and is located immediately south of the maintenance facility in grass and exposed soil area with obvious staining of petroleum products on ground surface. According to maintenance staff, the concrete pad wash area receives excess amounts of water and cannot be used; therefore additional washing has taken place for potentially the last 12 years in this area. Potential contaminants washed from equipment may contain traces of petroleum products and/or landscaping products such as pesticides/herbicides/fungicides, etc. These potential contaminants may have been released into the subsurface and potentially adversely impacting soils.

Recommendations: Stop using this wash area immediately. Construct an isolated wash area that is contained to prevent improper discharge of waste water to the environment, in this case soils. All waste water should be collected and properly treated and recycled or discharge upon appropriate treatment, such as passing all wash water through an oil-water separator with drains screened to trap lawn clippings. The new wash rack system or location should be sized to appropriately handle all equipment washing at the facility to prevent the use of secondary wash areas on exposed soils. Collect soil samples surrounding throughout this area, especially in stained areas to assess if contaminants have impacted the subsurface above state cleanup action levels.

REC: Drum & Container Storage – Outside Fenced Maintenance Area

8. Several containers and drums appeared mislabeled; one drum appeared to contain waste oil. According to maintenance staff, waste oil was potentially generated by O. J. Construction Inc., a contractor currently performing services for the tribe at the course. This area consists of sandy soils and grass.

Recommendation: Relocate all products to contained areas with similar products, e.g. locate all petroleum waste products in one contained area, not on exposed soils. Advise all contractors to store petroleum products and hazardous materials off-site, or within appropriately labeled and stored containers.

REC: Underground Storage Tanks (USTs) & Aboveground Storage Tanks (ASTs)

9. Underground Storage Tanks (USTs) are registered for the golf course, although no USTs were identified in previous inspections by ENTRIX or by AES whom completed the March 2006 Phase I ESA report.

The Maintenance Facility does have a compartmentalized Aboveground Storage Tank (AST), 1,000-gallon gas and 550-gallon diesel. These tanks do not appeared to be registered properly with the appropriate local and state agencies, however reflect the same sizes as two of the "USTs".

Recommendation: Identify installation records of AST and compare install dates with UST install date, February of 1988. Additionally, research previous internal records that may reference the installation and use of USTs, i.e., permit records, plans, previous fuel receipts, pollution liability insurance policies for USTs.

If the AST is indeed misregistered as a UST, the documentation should be changed with the regulatory agencies and ENTRIX can assist the tribe with that process. If this issue can not be easily resolved, ENTRIX will recommend additional research investigations to clarify if USTs are present at the Site.

REC: Soil Staining (Identified by AES in February 2006, reported in March 2006 Phase I ESA)

10. Two small petroleum stains (diesel) were identified in sandy soils near the golf course maintenance facility. During the summer of 2006, the impacted soils were placed into drums and removed by an approved soil removal/disposal company. Soil samples collected by ENTRIX in November 2006 showed no traces of petroleum in these two areas, however, the disposal records were not available.

Recommendation: Locate and maintain soil disposal are records to demonstrate soils were not disposed of on-site.

We have performed a Phase I Environmental Site Assessment Update in conformance with the scope and limitations of ASTM Practice E 1527-05. Any exceptions to, or deletions from, this practice are described in this report. ENTRIX has identified RECs on the Subject Property as detailed in table above. Further discussion of the RECs can be found in this report.

PHASE I ENVIRONMENTAL SITE ASSESSMENT

Horseshoe Grande Property
Soboba Band of Luiseño Indians
San Jacinto, CA

TABLE OF CONTENTS

LIST OF FIGURES

LIST OF APPENDICES

1.0 INTRODUCTION

ENTRIX, Inc. (ENTRIX) performed a Phase I Environmental Site Assessment (ESA) of 35 Riverside County Tax Parcels (numbers and sizes listed in the table below) located on Soboba Road in San Jacinto, CA 92582. The Phase I ESA objectives, scope, and limitations are presented in the following sections.

Soboba Horseshoe Grande Property		
Parcel #	APN	Acreage
1	433-120-023	3.25
2	433-140-030	29.15
3	433-140-001	4.94
4	433-140-024	0.43
5	433-140-026	3.09
6	433-140-020	68.64
7	433-140-042	0.45
8	433-140-044	1.96
9	433-140-045	1.18
10	433-140-046	1.30
11	433-140-047	1.41
12	433-140-048	2.05
13	433-140-049	1.17
14	433-120-009	2.30
15	433-120-008	7.87
16	433-100-013	4.46
17	433-100-002	0.68
18	433-100-014	6.25
19	433-100-006	0.06
Subtotal, Undeveloped Properties		**140.64**
20	433-080-002	43.12
21	433-080-005	0.50
22	433-080-006	4.59
23	433-080-007	35.97
24	433-080-010	7.47
25	433-080-011	4.41
26	430-030-013	53.77
27	430-030-015	16.00
28	430-030-016	38.70
29	430-030-017	40.50
Subtotal, Ramljak Parcels		**245.03**
30	433-100-015	39.18
31	433-110-013	3.72
32	433-120-031	76.39
33	433-140-022	0.15
34	433-140-031	1.71
35	433-140-041	28.15
Subtotal, Golf Course Properties		**149.30**
Total -- 534.97 a.c.		

1.1 SCOPE OF WORK

The ENTRIX scope-of-work for the Phase I ESA Update consisted of an inspection of the Subject Property and nearby areas, review of readily available regulatory and historical information concerning the Subject Property and other nearby properties, and preparation of a report detailing ENTRIX's results and conclusions. This Phase I ESA was conducted in conformance with the methods and procedures described in the American Society for Testing and Materials (ASTM) "Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process" (Standard Designation E 1527-05).

The objective of the ENTRIX Phase I ESA was to assess whether, in addition to other issues, there is a Recognized Environmental Condition (REC) on the Subject Property or whether such REC is likely to occur in the future due to on-site or nearby activities or problems. Under ASTM Standard E 1527-05, a REC is defined as:

> "The presence or likely presence of hazardous substances or petroleum products on a property under conditions that indicate an existing release, a past release or a material threat of a release of any hazardous

substances or petroleum products into structures on the property or into the ground, groundwater or surface water of the property. The term includes hazardous substances or petroleum products even under conditions in compliance with laws. The term is not intended to include de minimis conditions that generally do not present a material risk of harm to public health or the environment and that generally would not be the subject of an enforcement action if brought to the attention of appropriate governmental agencies."

1.2 LIMITATIONS

ENTRIX's site inspection included observations of areas that were accessible by foot and a visual inspection of surrounding and adjacent properties, including those properties identified in the environmental regulatory agency database search that were located adjacent to the Subject Property.

The work conducted by ENTRIX is limited to the services agreed to with the Soboba Band of Luiseno Indians, and no other services beyond those explicitly stated should be inferred or are implied.

ENTRIX's Phase I ESA is limited to visual observations of site conditions on the day inspected, review of readily available and relevant data, and statements made and information provided by the client, his agents, outside parties and regulatory agencies. ENTRIX has exercised due diligence and customary care in the conduct of its assessment. The Phase I ESA is a limited and non-exhaustive survey that is intended to evaluate whether readily available information indicates that the historic or current use of the Subject Property resulted in contamination by hazardous substances or waste. As a result, without a comprehensive sampling and analysis program or implementation of services beyond the original scope-of-work, certain conditions, including, but not limited to those summarized below, may not be revealed:

- Naturally occurring toxic substances or elements found in the subsurface soils, rocks, or water;
- Toxic substances commonly found in current habitable environments, such as, stored household products, building materials, and consumables;
- Biological or infectious agents and pathogens;
- Contaminant plumes (liquid or gaseous) below the surface from a remote or unknown source;
- Contaminants or conditions that do not violate current regulatory standards, but may violate such standards in the future; and
- Unknown, unreported, and not readily visible site contamination.

In preparing this report, ENTRIX has reviewed historical records, conducted interviews with certain private and public officials, and performed an on-site visual inspection of the property. ENTRIX has examined and relied upon documents referenced in the report and has relied on oral statements made by certain individuals. ENTRIX has not conducted an independent examination of the facts contained in referenced materials and statements. ENTRIX has assumed the genuineness of the documents and that the information provided in documents or statements is true and accurate. ENTRIX has prepared this report in a professional manner, using that degree of skill and care exercised for similar projects under similar conditions by reputable and competent environmental consultants. ENTRIX shall not be responsible for conditions or consequences arising from relevant facts that were concealed, withheld, or not fully disclosed at the time the report was prepared. ENTRIX also notes that the facts and conditions referenced in this report may change over time, and the conclusions and recommendations set forth herein are applicable only to the facts and conditions as described at the time of this report and the site inspection. ENTRIX believes the conclusions stated herein to be factual. A documented site history dating back to 1940 or first development of the property per the ASTM Standard was not attainable; however, it is known that the site was used as a residence and small-scale farm.

1.3 RELIANCE

This report has been prepared for the benefit of the Soboba Band of Luiseno Indians. Any other party without the express written consent of the Soboba Band of Luiseno Indians or representative and ENTRIX may not use the information contained in this report, including all exhibits and attachments. It should be emphasized that conditions at the Subject Property can change over time. The use of this report by third parties shall be at their own risk.

2.0 SITE AND VICINITY DESCRIPTION

2.1 SITE DESCRIPTION

The Subject Property (Figures 1, Figure 2, and Appendix A Site Photographs) consists of 35 parcels (i.e., totaling 534.97+ acres currently held in fee-title to trust status (see Table 1). This real estate is collectively known as the "Horseshoe Grande" property or Subject Property. The Tribe intends to relocate its existing casino, which presently resides on trust lands, to the Horseshoe Grande property. In addition to the fee-to-trust action and casino relocation, the proposed development at the Subject Property will also include the construction of a 200-250 room hotel, fire and police station, and 1.2 million gallon wastewater treatment plant. The parcels currently include the Country Club at Soboba Springs and vacant land.

2.2 SITE AND VICINITY CHARACTERISTICS

The Subject Property is located within an agricultural/ranch-land area northeast of the City of San Jacinto, Riverside County, California. The general topography in the vicinity of the Subject Property consists of rugged mountainous terrain and steep sided valleys proceeding from the northeast and extending down to a relatively flat area of the San Jacinto River valley to the southeast underlying the city of San Jacinto. Most of the development on the Soboba Band of Luiseno Indian Reservation land directly south and west of the Subject Property is present in the Poppet Creek watershed and the southwest portion of the Reservation in the San Jacinto River Valley.

2.3 GEOLOGY AND HYDROGEOLOGY

The following geological and hydro geological information has been attained for the completion of the ENTRIX's August 2007 DRAFT Environmental Impact Statement for the Horseshoe Grande Property.

Underlying geology in the central and southern area of the Horseshoe Grande property, where the Proposed Action is being considered, consists of quaternary-aged (recent) alluvium (Qal). Alluvium materials consist of unconsolidated stream, river channel and alluvial fan deposits.

The northernmost portion of the property consists mainly of pre-Cenozoic granitic and metamorphic rocks (gr-m). These rocks may include migmatitic gneiss, quartzite, calc-silicate rocks, marble, metaconglomerate, phyllite, amphibolite, granite pegmatite, quartz monzonite, granodiorite, and quartz diorite along the San Jacinto fault zone.

Surrounding the Horseshoe Grande property, Pleistocene non-marine sedimentary deposits (Qco) are present in the immediate northeast direction, pre-Cenozoic granitic and metamorphic rocks (gr-m) are present to the north, and alluvium (Qal) is also present to the south and west, identical to the geology present beneath the subject property.

Pleistocene non-marine sedimentary deposits (Qco) are described as extensively folded, faulted, and dissected alluvial fan deposits. Along the San Jacinto fault zone, rock may consist of interbedded gray fine-grained sandstone and shale grading into coarse gravel and may contain Pleistocene-aged vertebrate fossils.

The Subject Property is located in the San Jacinto River watershed directly adjacent to river. Local well logs suggest a depth of groundwater in the vicinity of the Subject Property of approximately 300+ feet below the surface.

Twenty-seven soil types are present on the Horseshoe Grande property. In the central and southern areas, where the Proposed Action is being considered, soils are present in a historic floodplain adjacent to the San Jacinto River. Soils consist of sediments deposited during flooding. Soils are present on gentle topography and contain slopes of 0 to 5%. Soils range from poorly drained to excessively drained, with the majority of the soils classified as either somewhat poorly drained or moderately well to well drained. In general, the soils are not classified as eroded, however the majority of the soils present in the area of the proposed development north of Lake Park Drive are classified as eroded. Surface soils present at the property contain 1 – 4% organic matter. Approximately 67% of the soils present at the property are suitable for farming. The majority of the soils contain a seasonally high water table, especially those closer to the San Jacinto River.

Soils present in the northern area of the Horseshoe Grande property contain steeper slopes up to 50%. These soils are well to somewhat excessively drained. No construction activities are planned in this area. The soils are described below:

Chino silt loam (Ce) and Chino silt loam, saline-alkali (Cf) soils are present in flood plains and consist of alluvium derived from granite. These soils contain slopes of 0 to 2%, are somewhat poorly drained, and have moderate shrink-swell potential.

Dello loamy sand (DgB) soils are present on alluvial fans and Dello loamy sand, gravelly substratum (DnB) soils are present on flood plains. Both of these soils consist of alluvium derived from granite, contain slopes of 0 to 5%, are somewhat poorly drained, and have low shrink-swell potential. Dello loamy fine sand, gravelly substratum (DrA) soil contains slopes of 0 to 2%, are somewhat poorly drained, and have low shrink-swell potential.

Friant rocky sandy loam (FyF2) soil is present on uplands and consists of residuum weathered from mica schist. This soil contains slopes of 25 to 50%, is well drained, and has low shrink-swell potential.

Gorgonio gravelly loamy fine sand (GmD) soil are present on alluvial fans and consist of alluvium derived from granite. This soil contains slopes of 2 to 15%, is somewhat excessively drained, and has low shrink-swell potential.

Grangeville sandy loam soils (GpB, GrB), fine sandy loam soils (GtA, GvB), and loamy fine sand soil (GoB) are present on alluvial fans and consist of alluvium derived from granite. These soils contain slopes of 0 to 5% except for GtA soil, which contains slopes of 0 to 2%. These soils are moderately well drained except for GvB soil with is somewhat poorly drained. All of these soils have low shrink-swell potential.

Hanford coarse sandy loam (HcC, HcD2) and sandy loam (HfD) soils are present on alluvial fans and consist of alluvium derived from granite. HcC soil contains slopes of 2 to 8% and is well drained. HcD2 soil contains slopes of 8 to 15% and is somewhat excessively drained. HfD soil contains slopes of 2 to 15% and is well drained. All of these soils contain low shrink-swell potential.

Metz loamy fine sand (MhB) soil is present on alluvial fans and consists of alluvium derived from sedimentary rock. This soil contains slopes of 0 to 5%, is somewhat excessively drained, and has low shrink-swell potential.

San Emigdio fine sandy loam soils (SeC2, SeD2) and San Emigdio loam (SgA, SgC, SgD2) are present on alluvial fans and consists of residuum weathered from sedimentary rock. SgA soil contains slopes of 0 to 2%, SeC2 and SgC soils contain slopes of 2 to 8%, and SeD2 and SgD2 soils contain slopes of 8 to 15%. All of these soils are well drained and have low shrink-swell potential.

Soboba cobbly loam (SrE) soil is present on alluvial fans and consists of sandy and gravelly alluvium derived from granite. This soil contains slopes of 2 to 25%, is excessively drained and has low shrink-swell potential.

Willows silty clay (Wg) soil is present on basin floors and consists of alluvium derived from mixed sources. This soil contains slopes of 0 to 2%, is poorly drained, and has high shrink-swell potential.

The Horseshoe Grande property also contains land classified as badland (BaG), riverwash (RsC), rough broken land (RuF), and terrace escarpments (TeG).

2.4 UTILITIES

Electric: Southern California Edison

Potable Water: Private Wells, 2 out of use, 2 in use

Wastewater: Septic System at Maintenance Facility and the local sewer system is connected to the main golf course complexes.

Fuel Source: Propane

3.0 HISTORICAL REVIEW OF SITE AND VICINITY

Based on the review of historic aerial photographs of the area the Subject Property and surrounding areas were used as agricultural lands and resource parcels since prior to 1938. Where available, ENTRIX conducted reviews of aerial photographs, topographic maps, city directories, Sanborn Maps and property and permit records. The attained information below indicates that the golf course was constructed in the 1960s and has been improved upon since.

3.1 AERIAL PHOTOGRAPH REVIEW

ENTRIX conducted a photo review of readily available aerials at www.terraserver-usa.com, photos provided by EDR and recent 2006 Riverside County Land Information System. The aerial photos provided by EDR are located in Appendix C – Support Documents. Results are as follows:

1938 Aerial Photograph (Laval):

Subject Property:	Appears to be agriculturally base with agricultural plots, various outbuildings and sparsely placed residential structures are visible on several of the southern parcels along Lake Park Drive. The northern portions of the Subject Property appear to be agricultural/vacant parcels.
North:	North of the Subject property appears to be covered with native vegetation approaching the rugged unoccupied terrain of the San Jacinto mountains
Southwest:	Appears to be agriculturally base with agricultural plots, various outbuildings on several of the parcels to the south
East:	The San Jacinto River, and beyond vacant land covered with shrub and grass native vegetation.
West:	Small agricultural areas with associated structures and rugged unoccupied terrain.

1953 Aerial Photograph (Pacific Air):

Subject Property:	Similar to the 1938 photo
North:	Similar to the 1938 photo
Southwest:	Similar to the 1938 photo
East:	Similar to the 1938 photo
West:	Similar to the 1938 photo, additional agricultural lands have been developed to the southwest

1967 Aerial Photograph (Western):

Subject Property:	The golf course is visible in this photo. There is still vacant and/or agricultural land on the northwest corner of Lake Park Drive and Soboba Road. Several of the structures along Lake Park Drive have been removed.
North:	Similar to the 1953 photo, additional agricultural plots have been developed to the north/northeast
Southwest:	Similar to the 1953 photo
East:	Similar to the 1953 photo
West:	Similar to the 1953 photo

1980 Aerial Photograph (AMI):

Subject Property:	Similar to the 1967 photo. A large trailer park has been constructed south of the golf course and Lake Park Drive.
North:	Similar to the 1967 photo
Southwest:	Similar to the 1967 photo
East:	Similar to the 1967 photo
West:	Extensive land has been cleared to the west

1989 Aerial Photograph (USGS):

Subject Property:	Similar to the 1980 photo. There is residential development visible on the northeastern portion of the Subject Property.
North:	Residential development is visible to the northeast of the Subject Property
Southwest:	Similar to the 1980 photo
East:	Similar to the 1980 photo
West:	Similar to the 1980 photo

1996 Aerial Photograph (USGS):

Subject Property:	Similar to the 1989 photo
North:	Similar to the 1989 photo
Southwest:	Similar to the 1989 photo

East:	Similar to the 1989 photo
West:	Similar to the 1989 photo

2002 *Aerial Photograph (USGS):*

Subject Property:	Similar to the 1996 photo
North:	Similar to the 1996 photo
Southwest:	Similar to the 1996 photo
East:	Similar to the 1996 photo
West:	Similar to the 1996 photo

3.2 LOCAL AGENCIES

ENTRIX contacted local government agencies to identify any current or historical information or reports of hazardous materials usage, storage, and/or releases that may have impacted the Subject Property. No new information was readily available from the Agencies previously contacted.

3.2.1 Santa Anna Regional Water Quality Control Board

According to an interview conducted on August 2, 2007 with Carl Bernhart of the Santa Ana Regional Water Quality Control Board's UST Division, there are no records on file for the Subject Property. No USTs were found to be installed on the property during ENTRIX's site visit in July. Only leaking USTs are regulated by the Water Quality Control Board, and non-leaking USTs are monitored by the county environmental health departments. No county records were found that suggest that a release may have occurred.

3.2.2 Riverside County Agricultural Commission

The Soboba Springs Country Club currently has a pesticide use permit issued by the Riverside County Agricultural Commission. Monthly summary pesticide use reports for the current year were provided by the Soboba Tribe. No records of violations related to the application of pesticides were uncovered during this investigation.

3.2.3 Riverside County Department of Environmental Health

The Soboba Springs Country Club currently has a hazardous material management permit issued by the Riverside County Department of Environmental Health. This permit relates to the storage of the pesticides and herbicides used on the golf course and stored onsite. See the Site Inspection Section 5.0 of this report for details on the chemical room on the golf course property.

3.3 SANBORN FIRE INSURANCE MAPS (SANBORN MAPS)

Based on ENTRIX's Sanborn research coverage online at www.sanborn.com and with EDR in July 2006, coverage for this area does not exist.

3.4 ENVIRONMENTAL LIEN SEARCH

ENTRIX researched potential environmental liens that may have been filed on the property due to contamination issues that may exist at the Site. No environmental liens have been recorded with the Riverside County Assessor's Office.

3.5 PREVIOUS ENVIRONMENTAL REPORTS AND INVESTIGATIONS

In March 2006, a Phase I Environmental Site Assessment was completed by Analytical Environmental Services (AES) on a portion of the Subject Property, which did not include the vacant land to the north of the golf course across Soboba Road. The AES report specified that a temporary 500-gallon AST was onsite in a secondary containment at the maintenance facility. This tank was removed from the Site between November 2006 and July 2007, as the portable tank belonged to a contractor completing work at the Site.

AES did identified only two RECs, which were two petroleum stains (diesel fuel) in the work and storage areas outside the fence at the maintenance facility. The recommendation was made to have the stains cleaned or remove soil. According to Enrique Savalas, previous Country Club at Soboba Springs Maintenance Facility Manager, the soils were removed in the Summer of 2006 by golf course personnel and soils were placed into 55-gallon drums for off-site disposal. The disposal records for the soils removed from these two areas were not attainable at the time this report was completed. Based on this work, ENTRIX visited the facility in November 2006 and identified the two areas that had been stained/removed and determined them to be relatively small in nature, although the exact dimensions were not known. ENTRIX collected two soil samples (CS1 & CS2) from one previously stained area immediately southeast of the maintenance yard fencing and one soil sample (CS3) east-southeast of the fenced area, the out-of-use equipment storage area. sample from soils determined to be the base of each hole dug, approximately 2-feet bgs.

Both soil samples consisted of medium grained, gray sand and were collected in 4oz. jars and placed on ice for shipment to Libby Environmental for analysis of diesel range hydrocarbons. Both soil samples were non-detect for petroleum hydrocarbons. Furthermore, odors of petroleum products or staining were identified in the investigations. The laboratory report for the two soil samples are attached to this report in Appendix C – Support Documents. No additional RECs beyond those described in this current Phase I ESA were identified during ENTRIX's November 2006 site visit.

3.6 CLIENT/PROPERTY OWNER-PROVIDED INFORMATION AND INTERVIEWS

ENTRIX interviewed several individuals with working knowledge of the Subject Property including Mr. Bryan Addis, General Manager/Resident Golf Pro at the Country Club at Soboba Springs, Mr. Mark Licon, Director of Golf Course Maintenance at the Country Club at Soboba Springs, and Mr. Chuck Cones, Turf and Equipment Manager of the Country Club at Soboba Springs. Mr. Carl Bernhart of the Regional Water Quality Control Board UST Division was also interviewed.

Mr. Addis provided a tour of the Country Club at Soboba Springs main buildings, including restaurant, dining areas, electric golf cart storage, pool and pool maintenance house and offices. Mr. Addis provided general information pertaining to the construction activities pertaining to the new club house to be completed in the November/December of 2007. Mr. Addis was not aware of any mishandling or spills of stored pool chemicals. Additionally, he was not aware of any USTs at the Site, and indicated that the AST at the maintenance facility was likely misregistered as a UST.

Mr. Licon provided a tour of the Country Club at Soboba Springs Maintenance Facility. Mr. Licon is a CA Certified Pesticide Applicator therefore able to supervise and properly direct the maintenance team on the application of pesticides and other lawn care products throughout the golf course. Mr. Licon indicated that the drain line in the pesticide storage room leads to the septic that is connected to the maintenance building and that the wash area drain is not connected to the septic system. Mr. Licon indicated that the washing of the equipment has taken place in the grassy area for the last 12 years. Mr. Licon was not aware of any USTs at the maintenance facility nor was he aware of any releases or spills from the operational AST.

Mr. Cones, Turf Manager for the Country Club at Soboba Springs provided the interior tour of the maintenance facility and petroleum storage within the interior of the facility.

Mr. Bernhart of the Santa Ana Regional Water Quality Control Board's UST Division, indicated that there are no UST records on file for the Subject Property.

4.0 ENVIRONMENTAL DATABASE REVIEW

As part of this assessment, ENTRIX obtained and reviewed state and federal regulatory agency databases. The regulatory database information provided by Environmental Data Resources, Inc. is consistent with that specified by ASTM Standard E 1527-05 for government records review. The EDR report is included as Appendix B.

Migration of contaminants from off-site locations to the Subject Property is typically via groundwater. Consequently, only those releases from nearby locations, hydraulically up-gradient or immediately adjacent to the Subject Property are considered significant. Sites that are situated hydraulically cross-gradient, further down gradient, at significant distance, and/or with resolved regulatory status are not considered to represent a material concern.

The immediately adjoining/neighboring properties of the Subject property were not identified in the database search; the only sites identified were twenty-five unmappable sites. ENTRIX investigated each site and determined that the twenty-five sites were not within the specified search parameters and determined that the twenty-five sites do not pose a threat to the environmental integrity of the Subject Property. Refer to the EDR Report presented in Appendix B for additional ASTM Standard database search results.

Soboba Springs Country Club (Subject Property)

Environmental Databases: Cal FID UST, Sweeps UST, HAZNET
1020 Soboba Road
San Jacinto, CA

The Soboba Spings Country Club holds two permits. One hazardous materials management permit issued by Riverside County's Department of Environmental Health for the storage of pesticides and herbicides on the property. The other permit is for the application of pesticides and is issued by the Riverside County Agricultural Commission. Neither permit was found to have any violations associated with it.

The site reportedly contains two underground storage tanks, one 1000-gallon tank containing gasoline and one 550-gallon tank reported in the database as containing leaded gasoline. Both of the tanks are listed as active since February 1988. Subsequent interviews with country club personnel reveal that there are no known or historic USTs present on the Subject Property. One compartmentalized aboveground storage tank that holds 1000-gallons of gasoline and 550-gallons of diesel. If there is indeed a misreporting issue regarding the presence of two USTs onsite, this matter should be corrected immediately with the Riverside County Department of Environmental Health to avoid any current or future inquires in their existence.

5.0 SITE INSPECTION

Matthew Loxterman conducted an inspection of the Subject Property and surrounding area on August 30 and 31, 2007. The Subject Property contains vacant land and the Country Club at Soboba Springs.

The following observations were noted:

Identified Yes	Identified No	On-site Observation
☒	☐	Hazardous Substances and/or Petroleum Products in Connection with Property Use
☒	☐	Aboveground & Underground Hazardous Substance or Petroleum Product Storage Tanks (ASTs/USTs)
☐	☒	Hazardous Substance and Petroleum Product Containers and Unidentified Containers not in Connection with Property Use
☒	☐	Unidentified Substance Containers or improperly labeled containers or drums
☐	☒	Electrical or Mechanical Equipment Likely to Contain PCBs
☐	☒	Interior Stains or Corrosion
☐	☒	Strong, Pungent, or Noxious Odors
☒	☐	Pool of Liquid
☒	☐	Drains and Sumps
☒	☐	Pits, Ponds, and Lagoons
☒	☐	Stained Soil or Pavement
☐	☒	Stressed Vegetation
☒	☐	Solid Waste Disposal or Evidence of Fill Materials
☒	☒	Waste Water Discharges
☒	☐	Wells
☒	☐	Septic Systems
☐	☒	Other (non ASTM):

Golf Course Maintenance Facilities

The golf course maintenance facility contains the equipment for caring the golf course landscaping. The facility is located in the central area of the course along the western border or the Subject Property and consists of a metal/wood-framed building with an office area, employee break room, tool sharpening room, storage and employee work areas. The building is surrounded by a fence and has an asphalt lot within the fence. The exterior of the facility is used for storing petroleum products, fertilizers, pesticides and herbicides, washing facility vehicles/equipment and storage.

The facility has specific areas for storing fertilizers, pesticides, herbicides, petroleum products, petroleum waste and other hazardous or regulated materials both within enclosed areas and outdoors. These materials are stored in a variety of containers, dry sacks, drums, storage tanks and buckets. Petroleum wastes and hazardous wastes were not observed in the building. One flammable materials storage locker is located in the facility and contains several cans of gasoline, less than 5-gallons in size. Additionally, two 55-gallon drums, one motor oil and one hydraulic oil, were observed in the facility. The drums are stored on concrete and were in good condition, with no obvious spills or stains. A petroleum spill kit was observed in the facility. ENTRIX did not observe any floor drains or sumps in the main work areas.

The golf course pesticides and herbicides are stored in a locked, isolated storage shed or room at the facility. During ENTRIX's Site visit, a spill was observed in the pesticide storage room. The product spilled appeared to be Turf Mark®, a non-hazardous material, liquid spray indicator used to identify where you are applying the materials to the golf course landscaping. The product was mixed with the spray indicator was unknown. The spill appeared to be several gallons and was released potentially from a backpack sprayer that was leaking in the shed. The effluent of the catch-basin in the storage shed is the facility's septic system. Although, the spill was observed in the storage room, the other stored materials appeared to be in good condition, with no obvious spill or leaks. A product inventory list was neither present in the room, nor were the product Material Data Safety Sheets. Previous Site visits completed by ENTRIX in November 2006 and by AES in February 2006, did not reveal any spills or mishandling of any products in the storage room.

The facility also has a separate storage shed/container for petroleum and spent-antifreeze waste materials. The unit is located within the fenced work area, outside the facility. 55-gallon drums of waste oil, mixed gas/diesel fuel and used oil filters were observed in the shed, along with unopened containers of hydraulic fluid in quantities less than 5-gallons. No evidence of leaks or spills were observed and no drains are present in the storage shed.

One 1,550-gallon AST is located in the maintenance area within a concrete secondary containment. The tank is steel, and split into two compartments, 1,000-gallons of gasoline and 550-gallons for diesel fuel. No evidence of spills or releases were observed from the AST. The AST is not currently registered with Regional Water Quality Control Board. No USTs were observed at the facility.

The maintenance facility has two areas for washing the course landscaping equipment such as mowers and lawn care product applicator vehicles. The primary wash area is located within the fenced work area at the facility and consists of a concrete pad and associated drain. The outfall of the drain located in the center of the concrete wash pad is a nearby pit that according to the Facility Manager, the liquids drain into the ground. The concrete wash pad has apparent cracks that may allow potential contaminants into the drainfield. Potential contaminants washed from equipment may contain traces of petroleum products and/or landscaping products such as pesticides/herbicides/fungicides and other lawn care products. These potential contaminants can be released into the subsurface and potentially adversely impacting soils. No oil-water separator is present anywhere at the facility.

The second wash area is approximately 20' x 20' and is located immediately south of the maintenance facility in grass and exposed soil area with obvious staining of petroleum products on ground surface. According to maintenance staff, the concrete pad wash area receives excess amounts of water and cannot be used; therefore additional washing has taken place for potentially the last 12 years in this area. Potential contaminants washed from equipment may contain traces of petroleum products and/or landscaping products such as pesticides/herbicides/fungicides, etc. These potential contaminants may have been released into the subsurface and potentially adversely impacting soils.

Adjacent to the primary wash area, are five drums, two with herbicide labels, one unlabeled drum with unknown contents, although are believed to be micronutrients commonly used at the

Site and the others were unlabeled empty drums. These five drums are stored along the SW side of the building on the concrete wash pad. The drums are not located on secondary containments. No obvious spills or releases were apparent during the inspection.

Additional drums and containers were observed outside the fenced area to the southeast of the building and immediately east of the unpaved parking lot on sandy soils and grass. Two white poly containers (~300-gallons) of Turf Labs micronutrients were observed with approximately 90% and 15% full of product. Additional empty containers were observed in the area. No apparent spills or stains were observed in the area. One improperly labeled white poly drum appeared to contain waste oil (~5 – 8-gallons). According to Mr. Licon, the waste oil was generated by O. J. Construction Inc., a contractor currently performing services for the tribe at the course.

The area south of the maintenance shop also include miscellaneous debris pile with containing scrap metal, an abandoned vehicle and landscaping compost and waste piles. The area east of the building is an unpaved parking area of out-of-use landscaping equipment that is being removed from the Site. North of the facility are remnants of the mobile home foundation, which was demolished approximately 3-months prior to the Site visit. Beyond these areas to the north, south and east are the course fairways, greens, lakes and sand traps. To the west is vacant land.

Golf Course & associated club houses and/or offices

The country club offers an 18-hole course with associated amenities for members and guests at the northeast corner of the course, including restaurant, pool, restrooms & locker rooms, pro-shop and tennis courts. A new club is under construction and is scheduled to open in November/December 2007 timeframe. This area also includes the parking lot, administrative offices, and electric golf cart storage. A concrete drywell is located immediately outside the golf cart storage facility. According to Mr. Bryan Addis, Country Club at Soboba Springs Manager that limited equipment is rinsed in this area and wastewater is collected in the drywell and pumped on an as-needed basis. Mr. Addis was not aware of any other drains connected to the drywell.

The pool chemicals are stored in one and two gallon containers (hypochlorite and muriatic acid) in the locked pool shed that also contains the propane fueled boiler to heat the pool. One 50-lb bucket of algae removal powder, a corrosive hazardous material, was also observed in the pool storage building. The chemicals in the pool storage room were in good condition and storage and handling procedures appeared appropriate. The remaining areas of the golf course did not pose any RECs.

These main facilities are abutted by a residential development immediately to the southeast of the main parking lot, residential structures and vacant land to the east across Soboba Road and the actual golf course to the west and south.

Vacant Land – North of Country Club at Soboba Springs

The Subject Property continues beyond Soboba Road to the north of the golf course, which is vacant land consisting of rugged mountain terrain. A series of residential homes or rental homes, known as the Soboba Springs are located between the eastern portion of the vacant land and the main golf course parking lot. ENTRIX traversed a portion of the site as well as viewed in from several vantage points. This area does not contain any permanent buildings or dwelling nor has ever been utilized for any commercial and/or industrial practices. No RECs were observed.

Vacant Land – South of Country Club at Soboba Springs

South of the golf course, beyond Lake Road is a residential neighborhood that is not included in the Subject Property, although the Subject Property wraps around the residential neighborhood to the south in a “U” shape or horseshoe configuration. This portion of the Subject Property consists of vacant land, with the exception of an outdoor storage area for RVs and vehicles and abandoned, dilapidated building immediately south of the residential development.

Previous Site visits revealed that people storing vehicles were changing oil at the dilapidated structure and leaving oil in buckets, without property storage and disposal. Based on previous interviews with Harold Arres, former Director of the Soboba Environmental Department, signs were posted to instruct people not to change oil at the Site and please remove all oil from the property and properly dispose it at the appropriate oil recycling centers for non-commercial users. No buckets of oil or staining were observed during the site visit. No RECs were identified for this portion of the Subject Property.

5.1 ADJACENT PROPERTY OBSERVATIONS

Identified Yes	Identified No	Observation
☐	☒	Hazardous Substances and/or Petroleum Products in Connection with Property Use
☐	☒	Aboveground & Underground Hazardous Substance or Petroleum Product Storage Tanks (ASTs/USTs)
☐	☒	Hazardous Substance and Petroleum Product Containers and Unidentified Containers not in Connection with Property Use
☐	☒	Unidentified Substance Containers
☐	☒	Electrical or Mechanical Equipment Likely to Contain PCBs
☐	☒	Strong, Pungent, or Noxious Odors
☐	☒	Pool of Liquid
☐	☒	Drains and Sumps
☐	☒	Pits, Ponds, and Lagoons
☐	☒	Stained Soil or Pavement
☐	☒	Stressed Vegetation
☐	☒	Solid Waste Disposal or Evidence of Fill Materials
☐	☒	Waste Water Discharges
☒	☐	Wells
☒	☐	Septic Systems
☐	☒	Other :

There were no RECs observed on adjoining properties during the site visit conducted by ENTRIX in July 2007.

6.0 CONCLUSIONS AND RECOMMENDATIONS

ENTRIX, Inc. (ENTRIX) performed a Phase I Environmental Site Assessment (ESA) on 35 contiguous parcels that are currently owned by the Soboba Band of Luiseño Indians (Soboba Tribe) sovereign nation or have been proposed to be added to tribal lands through the Fee to Trust Process. The parcels currently include the Country Club at Soboba Springs and vacant land. This Phase I ESA was performed under the current ASTM Standard Practice E1527-05.

The following RECs were identified:

REC: Storage of pesticides/herbicides/fungicides at Maintenance Facility

1. Obvious spill onto floor of storage shed and potential release into the septic system. The product spilled appeared to be Turf Mark®, which is a non-toxic liquid dye used as spray indicator to identify where you are applying the materials to the golf course landscaping, what product was mixed with the spray indicator was unknown. The spill appeared to be several gallons and was released potentially from a backpack sprayer that was leaking in the shed.

Recommendation: Have environmental disposal company remove and properly dispose of the materials within the catch-basin drain system in the storage room. Following removal and disposal of the contents, the outfall of the drain should be permanently plugged to prevent releases of potentially hazardous materials into the septic tank and associated leach beds. The contents of septic tank pumped to prevent potential unknown contaminant(s) mixed with the Turf Mark® from entering the drainfield.

2. The isolated storage room for pesticides/herbicides/fungicides and other lawn care products contains a catch basin and effluent pipe leading to the septic system used at the facility.

Recommendation: See recommendation for above REC.

3. Lack of product inventory sheet of the stored materials and associated Material Safety Data Sheets (MSDS).

Recommendation: Inventory products within storage shed and place notebook with associated MSDS should be located at and/or near the storage facility in case of another spill or emergency and to ensure proper handling, assessment, cleanup and disposal of the materials.

REC: Wastewater Discharge – Concrete Wash Area (Primary Wash Area)

4. Outfall of the drain located in the center of the concrete wash pad is a nearby pit that according to the Facility Manager, the liquids drain into the ground. The concrete wash pad has apparent cracks that may allow potential contaminants into the drainfield. Potential contaminants washed from equipment may contain traces of petroleum products and/or landscaping products such as pesticides/herbicides/fungicides and other lawn care products. These potential contaminants can be released into the subsurface and potentially adversely impacting soils. No oil-water separator is present anywhere at the facility.

Recommendation: Construct an isolated wash area that is contained to prevent improper discharge of waste water to the environment, in this case soils. All waste water should be collected and properly treated and recycled or discharge upon appropriate treatment, such as passing all wash water through an oil-water separator with drains screened to trap lawn clippings. The new wash rack system or location should be sized to appropriately handle all equipment washing at the facility to prevent the use of secondary wash areas on exposed soils. Additionally, the concrete drain system should be cleaned and pumped if possible and subsurface investigations should be conducted to evaluate potential contaminants that may have been released into the surrounding soils.

5. Various drums of liquid herbicides and fertilizers, as well as unlabeled drums are located at the wash area without secondary containments and are within 10-feet of the concrete wash area drain.

Recommendation: The drum storage at the wash area should be moved to an isolated area away from any drains or sumps that may allow discharge to the environment. The drums should be stored on impervious surface or within secondary containments to minimize the threat of a release to the environment in the event of a spill.

6. Dry fertilizer and lawn care products are stored on pallets adjacent to the wash area and have obvious signs of spills. Wash water and rain water have potential to allow contaminants to impact the subsurface via the drain system.

Recommendation: Dry storage adjacent to the wash area should be moved to an isolated area away from any drains or sumps that may allow discharge to the environment. The drums should be stored on impervious surface or within secondary containments to minimize the threat of a release to the environment.

REC: Wastewater Discharge – Secondary Lawn/Maintenance Equipment Wash Area

7. This equipment wash area is approximately 20' x 20' and is located immediately south of the maintenance facility in grass and exposed soil area with obvious staining of petroleum products on ground surface. According to maintenance staff, the concrete pad wash area receives excess amounts of water and cannot be used; therefore additional washing has taken place for potentially the last 12 years in this area. Potential contaminants washed from equipment may contain traces of petroleum products and/or landscaping products such as pesticides/herbicides/fungicides, etc. These potential contaminants may have been released into the subsurface and potentially adversely impacting soils.

Recommendations: Stop using this wash area immediately. Construct an isolated wash area that is contained to prevent improper discharge of waste water to the environment, in this case soils. All waste water should be collected and properly treated and recycled or discharge upon appropriate treatment, such as passing all wash water through an oil-water separator with drains screened to trap lawn clippings. The new wash rack system or location should be sized to appropriately handle all equipment washing at the facility to prevent the use of secondary wash areas on exposed soils. Collect soil samples surrounding throughout this area, especially in stained areas to assess if contaminants have impacted the subsurface above state cleanup action levels.

REC: Drum & Container Storage – Outside Fenced Maintenance Area

8. Several containers and drums appeared mislabeled, one drum appeared to contain waste oil. According to maintenance staff, waste oil was potentially generated by O. J. Construction Inc., a contractor currently performing services for the tribe at the course. This area consists of sandy soils and grass.

Recommendation: Relocate all products to contained areas with similar products, e.g. locate all petroleum waste products in one contained area, not on exposed soils. Advise all contractors to store petroleum products and hazardous materials off-site, or within appropriately labeled and stored containers.

REC: Underground Storage Tanks (USTs) & Aboveground Storage Tanks (ASTs)

9. Underground Storage Tanks (USTs) are registered for the golf course, although no USTs were identified in previous inspections by ENTRIX or by AES whom completed the March 2006 Phase I ESA report.

The Maintenance Facility does have a compartmentalized Aboveground Storage Tank (AST), 1,000-gallon gas and 550-gallon diesel. These tanks do not appeared to be registered properly with the appropriate local and state agencies, however reflect the same sizes as two of the "USTs".

Recommendation: Identify installation records of AST and compare install dates with UST install date, February of 1988. Additionally, research previous internal records that may reference the installation and use of USTs, i.e., permit records, plans, previous fuel receipts, pollution liability insurance policies for USTs.

If the AST is indeed misregistered as a UST, the documentation should be changed with the regulatory agencies and ENTRIX can assist the tribe with that process. If this issue can not be easily resolved, ENTRIX will recommend additional research investigations to clarify if USTs are present at the Site.

REC: Soil Staining (Identified by AES in February 2006, reported in March 2006 Phase I ESA)

10. Two small petroleum stains (diesel) were identified in sandy soils near the golf course maintenance facility. During the Summer of 2006, the impacted soils were placed into drums and removed by an approved soil removal/disposal company. Soil samples collected by ENTRIX in November 2006 showed no traces of petroleum in these two areas, however, the disposal records were not available.

Recommendation: Locate and maintain soil disposal are records to demonstrate soils were not disposed of on-site.

We have performed a Phase I Environmental Site Assessment Update in conformance with the scope and limitations of ASTM Practice E 1527-05. Any exceptions to, or deletions from, this practice are described in this report. ENTRIX has identified RECs on the Subject Property as detailed in table above. Further discussion of the RECs can be found in this report.

7.0 REFERENCES

ASTM. Practice E 1527-05, Guidance for Conducting Phase I Environmental Site Assessments.

Environmental Data Resources. *Radius Map with Geocheck Report,* Horseshoe Grande Property. July 31, 2007.

ENTRIX. DRAFT Environmental Impact Statement: Horseshoe Grande Property. August 2007.

Analytical Environmental Services (AES). Phase I ESA: Horseshoe Grande Property. March, 2006.

Riverside County Assessor Online Data. All property records for Subject Property and adjoining properties. Reviewed at http://riverside.asrclkrec.com/.

Riverside County Environmental Health Department. http://www.rivcoeh.org/opencms/index.html. August 2007.

Santa Ana Regional Water Control Board. http://www.waterboards.ca.gov/santaana/. August 2007.

www.terraserver-usa.com. 2002 USGS Aerial Photographs.

USGS. 1989, 1996 & 2002 Aerial Photographs.

Laval, 1938 Aerial Photograph (obtained via EDR)

Pacific Air, 1953 Aerial Photograph (obtained via EDR)

Western, 1967 Aerial Photograph (obtained via EDR)

AMI, 1980 Aerial Photograph (obtained via EDR)

Personal Interview. Mr. Bryan Addis, General Manager of the Country Club at Soboba Springs, August 2007

Personal Interview. Mr. Mark Licon, Director of Golf Course Maintenance at the Country Club at Soboba Springs, August 2007.

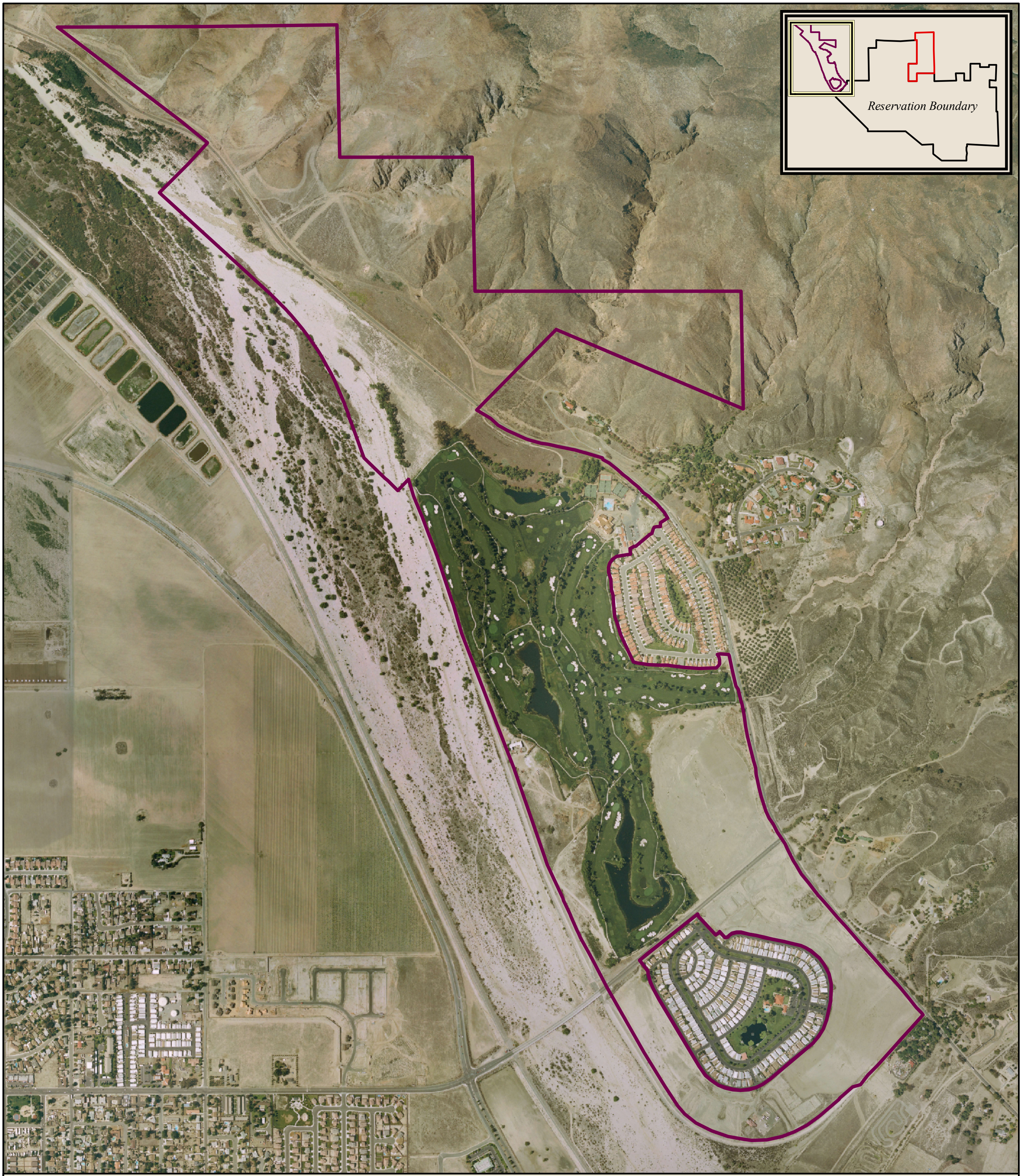
Personal Interview. Mr. Chuck Cones, Turf and Equipment Manager of the Country Club at Soboba Springs, August 2007.

Personal Interview. Mr. Carl Bernhart, Santa Ana Regional Water Quality Control Board UST Division, August 2007.

Personal Interview. Mr. Enrique Savalas, Director of Golf Course Maintenance at the Country Club at Soboba Springs, November 2006.

Personal Interview. Mr. Harold Arres, Former Director of Environmental Department of the Soboba Tribe, November 2006.

FIGURE 1



ENTRIX

MARCH 2008 - D R A F T

0 0.25 0.5 1

Miles

Soboba Band of Luiseño Indians
Aerial Image of the Horseshoe Grande Property
Figure 1

The information included on this map has been compiled by ENTRIX staff from a variety of sources and is subject to change without notice. ENTRIX makes no representations or warranties, express or implied, as to accuracy, completeness, timeliness, or rights to the use of such information. This document is not intended for use as a survey product. ENTRIX shall not be liable for any general, special, indirect, incidental, or consequential damages including, but not limited to, lost revenues or lost profits resulting from the use or misuse of the information contained on this map. Any sale of this map or information on this map is prohibited except by written permission of ENTRIX. Source of Aerial Imagery: Digital Globe, Inc. September 2007

APPENDIX A
SITE PHOTOGRAPHS

Looking southwest at country club parking lot and club house

Looking west-southwest at the new club house under construction

Looking southeast at the parking lot and adjoining residential neighborhood

Looking northwest at the golf course parking and Subject Property beyond Soboba Road

Maintenance facility looking west

Interior of maintenance facility

Pesticide/herbicide/fungicide storage facility – obvious spill of Turf Mark®

Drain system leading to septic tank, one side plugged, one side open to septic

Material spilled in storage room

Secondary Equipment Wash Area

Material storage area outside the fenced facility

Material storage area outside the fenced facility, waste oil in mislabeled drum

Primary Equipment Wash Area with associated drain

Cover to wash area drain outfall that eventually drains directly into the soil

Dry storage of lawn products adjacent to wash area

Drum storage adjacent to wash area, no secondary containments

Gasoline/Diesel Aboveground Storage Tank with concrete secondary containment

Maintenance Facility and parking area on exposed sandy soil

Hazardous and petroleum waste storage and hydraulic fluid storage

Debris area located south of golf course maintenance facility


Golf cart storage area and dry well


Dry well


Looking southwest at the pool and new club house


Pump system for pool

Southern portion of Subject Property looking west

Dilapidated ranch on the southern portion of the Subject Property

APPENDIX B
REGULATORY AGENCY DATABASE REPORT
(EDR REPORT)

The EDR Radius Map
with GeoCheck®

Soboba Horseshoe Grande
1020 Soboba Rd
San Jacinto, CA 92583

Inquiry Number: 1992608.2s

July 31, 2007

EDR® Environmental
Data Resources Inc

The Standard in Environmental Risk Information

440 Wheelers Farms Road
Milford, Connecticut 06461

Nationwide Customer Service

Telephone: 1-800-352-0050
Fax: 1-800-231-6802
Internet: www.edrnet.com

TABLE OF CONTENTS

Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

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

1020 SOBOBA RD
SAN JACINTO, CA 92583

COORDINATES

Latitude (North):	33.792800 - 33˚ 47' 34.1''
Longitude (West):	116.931800 - 116˚ 55' 54.5''
Universal Tranverse Mercator:	Zone 11
UTM X (Meters):	506313.5
UTM Y (Meters):	3738990.8
Elevation:	1585 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map:	33116-G8 SAN JACINTO, CA
Most Recent Revision:	1979

TARGET PROPERTY SEARCH RESULTS

The target property was identified in the following records. For more information on this property see page 6 of the attached EDR Radius Map report:

Site	Database(s)	EPA ID
SOBOBA SPRINGS GOLF COURSE 1020 SOBOBA RD SAN JACINTO, CA 92583	HAZNET	N/A
SOBOBA SPRINGS COUNTRY CLUB 1020 SOBOBA RD SAN JACINTO, CA 92383	CA FID UST SWEEPS UST	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:

FEDERAL RECORDS

NPL - National Priority List

EXECUTIVE SUMMARY

Proposed NPL Proposed National Priority List Sites
Delisted NPL National Priority List Deletions
NPL LIENS Federal Superfund Liens
CERCLIS Comprehensive Environmental Response, Compensation, and Liability Information System
CERC-NFRAP CERCLIS No Further Remedial Action Planned
CORRACTS Corrective Action Report
RCRA-TSDF Resource Conservation and Recovery Act Information
RCRA-LQG Resource Conservation and Recovery Act Information
RCRA-SQG Resource Conservation and Recovery Act Information
ERNS Emergency Response Notification System
HMIRS Hazardous Materials Information Reporting System
US ENG CONTROLS Engineering Controls Sites List
US INST CONTROL Sites with Institutional Controls
DOD Department of Defense Sites
FUDS Formerly Used Defense Sites
US BROWNFIELDS A Listing of Brownfields Sites
CONSENT Superfund (CERCLA) Consent Decrees
ROD Records Of Decision
UMTRA Uranium Mill Tailings Sites
ODI Open Dump Inventory
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)
SSTS Section 7 Tracking Systems
LIENS 2 CERCLA Lien Information
RADINFO Radiation Information Database
US CDL Clandestine Drug Labs
HIST FTTS FIFRA/TSCA Tracking System Administrative Case Listing
ICIS Integrated Compliance Information System
LUCIS Land Use Control Information System
DOT OPS Incident and Accident Data
PADS PCB Activity Database System
MLTS Material Licensing Tracking System
MINES Mines Master Index File
FINDS Facility Index System/Facility Registry System
RAATS RCRA Administrative Action Tracking System

STATE AND LOCAL RECORDS

HIST Cal-Sites Historical Calsites Database
CA BOND EXP. PLAN Bond Expenditure Plan
SCH School Property Evaluation Program
Toxic Pits Toxic Pits Cleanup Act Sites
SWF/LF Solid Waste Information System
CA WDS Waste Discharge System
WMUDS/SWAT Waste Management Unit Database
Cortese "Cortese" Hazardous Waste & Substances Sites List
SWRCY Recycler Database
LUST Geotracker's Leaking Underground Fuel Tank Report
SLIC Statewide SLIC Cases
UST Active UST Facilities
HIST UST Hazardous Substance Storage Container Database
AST Aboveground Petroleum Storage Tank Facilities
LIENS Environmental Liens Listing

EXECUTIVE SUMMARY

CHMIRS	California Hazardous Material Incident Report System
Notify 65	Proposition 65 Records
DEED	Deed Restriction Listing
VCP	Voluntary Cleanup Program Properties
CLEANERS	Cleaner Facilities
WIP	Well Investigation Program Case List
CDL	Clandestine Drug Labs
RESPONSE	State Response Sites
EMI	Emissions Inventory Data
ENVIROSTOR	EnviroStor Database
HAULERS	Registered Waste Tire Haulers Listing

TRIBAL RECORDS

INDIAN LUST	Leaking Underground Storage Tanks on Indian Land
INDIAN UST	Underground Storage Tanks on Indian Land

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.

TRIBAL RECORDS

Indian Lands: This map layer portrays Indian administered lands of the United States that have any area equal to or greater than 640 acres.

A review of the INDIAN RESERV list, as provided by EDR, and dated 12/31/2005 has revealed that there is 1 INDIAN RESERV site within approximately 1.25 miles of the target property.

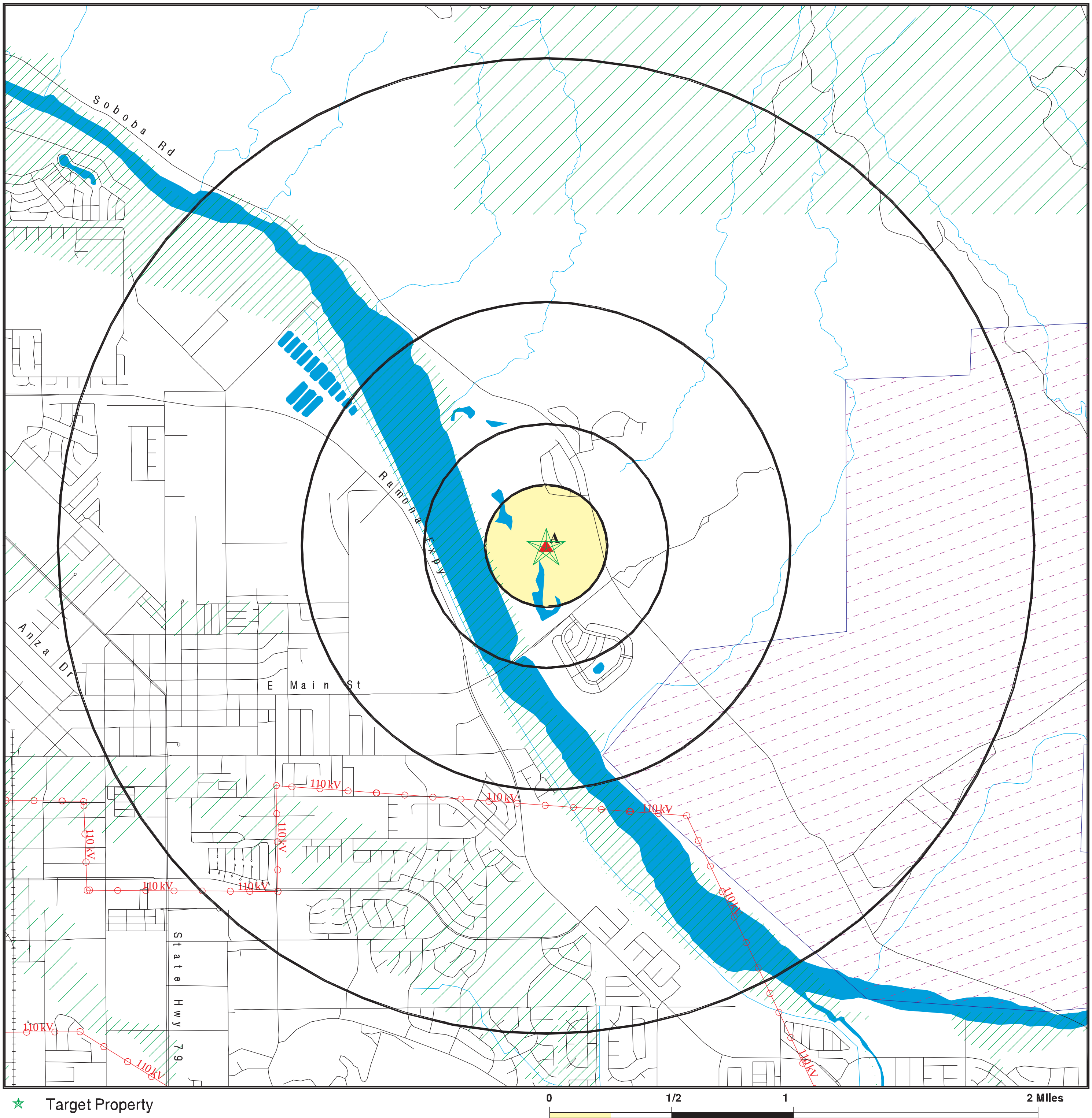
Equal/Higher Elevation	Address	Dist / Dir	Map ID	Page
SOBOBA INDIAN RESERVATION		1/2 - 1 SE	0	7

EXECUTIVE SUMMARY

Due to poor or inadequate address information, the following sites were not mapped:

Site Name	Database(s)
7TH ST, 50 FT E OF RAMONA EXPRESSWAY	CDL
20509 HWY 79, #37	CDL
CEDAR AVE / SOBOBA CUT OFF	CDL
346 S RAMONA BLVD, APT 1	CDL
1800 S SAN JACINTO, SP #153	CDL
SOBOBA RD, 2 MI E GILMAN SPRINGS RD	CDL
344 N STATE ST	CDL
344 N STATE ST, SPACE 138	CDL
344 N STATE ST, SPACE 158	CDL
GOLDEN ERA PRODUCTIONS	HAZNET, CHMIRS
MINIMART	LUST, Cortese
RICE DEVELOPMENT	LUST
76 PRODUCTS FACILITY #5692	LUST
RICE DEVELOPMENT	LUST
GOLDEN ERA PRODUCTIONS	UST
ROBISON PREZISOSO INC	HAZNET
JUOANNE ALLEN	HAZNET
ADELPHIA CABLE COMMUNICATIONS	HAZNET, EMI
WESTERN FARM SERV COASTAL DIV	RCRA-SQG, FINDS
COMM BLDGGILMAN HOT SPRINGS	CA WDS
SID SYBRANDY DAIRY	CA WDS
DEWATERINGSAN JACINTO-RESERVA	CA WDS
344 N STATE ST APT SP 196	US CDL
SOUTHERN CALIFORNIA GAS CO	DOT OPS
E & E TIRES	HAULERS

OVERVIEW MAP - 1992608.2s

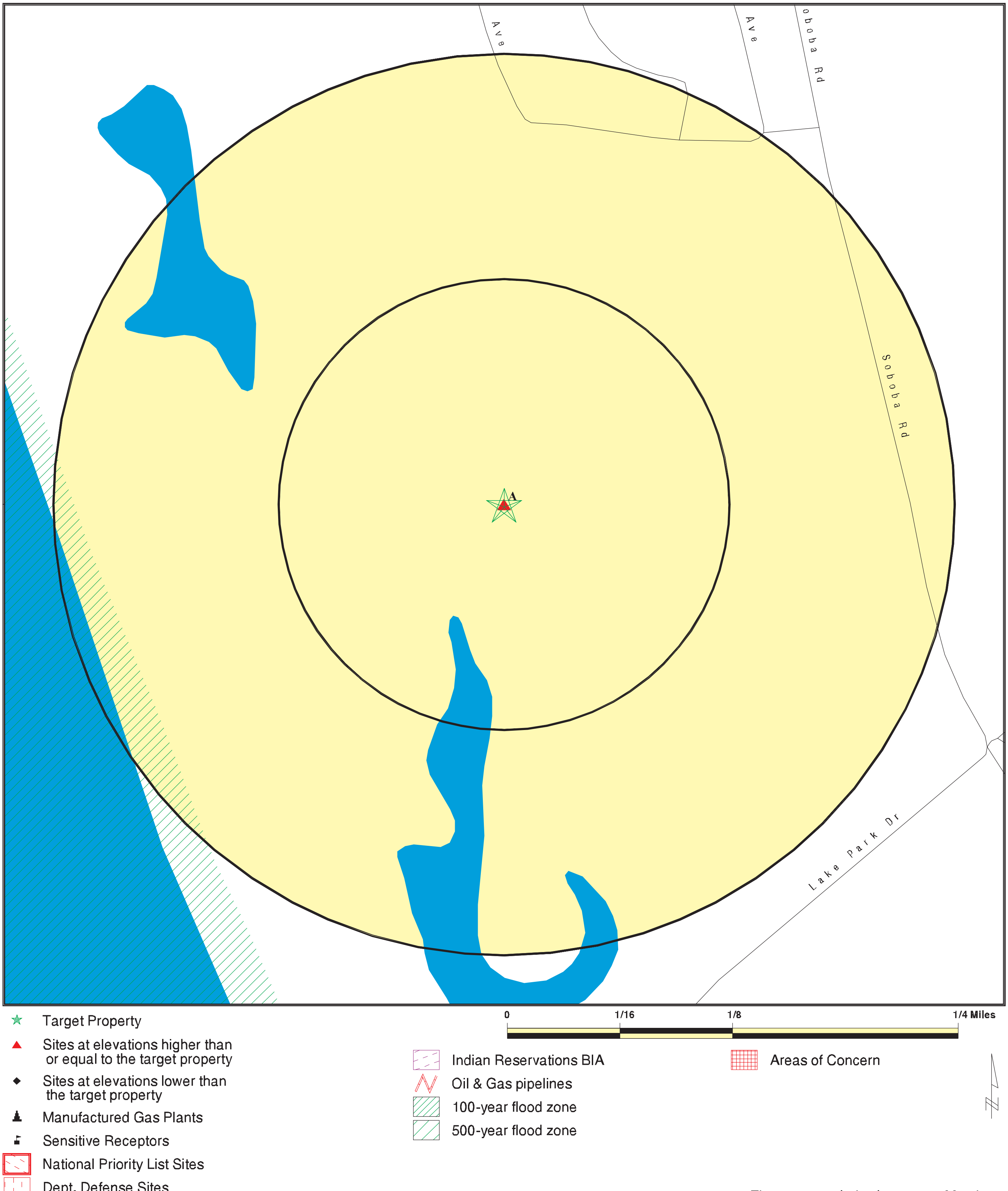


- Target Property
- Sites at elevations higher than or equal to the target property
- Sites at elevations lower than the target property
- Manufactured Gas Plants
- National Priority List Sites
- Dept. Defense Sites
- Indian Reservations BIA
- Power transmission lines
- Oil & Gas pipelines
- 100-year 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: Soboba Horseshoe Grande	CLIENT: Entrix, Inc.
ADDRESS: 1020 Soboba Rd	CONTACT: Matt Loxterman
San Jacinto CA 92583	INQUIRY #: 1992608.2s
LAT/LONG: 33.7928 / 116.9318	DATE: July 31, 2007 1:45 pm

DETAIL MAP - 1992608.2s



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: Soboba Horseshoe Grande ADDRESS: 1020 Soboba Rd San Jacinto CA 92583 LAT/LONG: 33.7928 / 116.9318	CLIENT: Entrix, Inc. CONTACT: Matt Loxterman INQUIRY #: 1992608.2s DATE: July 31, 2007 1:45 pm

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
FEDERAL RECORDS								
NPL		1.250	0	0	0	0	0	0
Proposed NPL		1.250	0	0	0	0	0	0
Delisted NPL		1.250	0	0	0	0	0	0
NPL LIENS		0.250	0	0	NR	NR	NR	0
CERCLIS		0.750	0	0	0	0	NR	0
CERC-NFRAP		0.750	0	0	0	0	NR	0
CORRACTS		1.250	0	0	0	0	0	0
RCRA TSD		0.750	0	0	0	0	NR	0
RCRA Lg. Quan. Gen.		0.500	0	0	0	NR	NR	0
RCRA Sm. Quan. Gen.		0.500	0	0	0	NR	NR	0
ERNS		0.250	0	0	NR	NR	NR	0
HMIRS		0.250	0	0	NR	NR	NR	0
US ENG CONTROLS		0.750	0	0	0	0	NR	0
US INST CONTROL		0.750	0	0	0	0	NR	0
DOD		1.250	0	0	0	0	0	0
FUDS		1.250	0	0	0	0	0	0
US BROWNFIELDS		0.750	0	0	0	0	NR	0
CONSENT		1.250	0	0	0	0	0	0
ROD		1.250	0	0	0	0	0	0
UMTRA		0.750	0	0	0	0	NR	0
ODI		0.750	0	0	0	0	NR	0
TRIS		0.250	0	0	NR	NR	NR	0
TSCA		0.250	0	0	NR	NR	NR	0
FTTS		0.250	0	0	NR	NR	NR	0
SSTS		0.250	0	0	NR	NR	NR	0
LIENS 2		0.250	0	0	NR	NR	NR	0
RADINFO		0.250	0	0	NR	NR	NR	0
CDL		0.250	0	0	NR	NR	NR	0
HIST FTTS		0.250	0	0	NR	NR	NR	0
ICIS		0.250	0	0	NR	NR	NR	0
LUCIS		0.750	0	0	0	0	NR	0
DOT OPS		0.250	0	0	NR	NR	NR	0
PADS		0.250	0	0	NR	NR	NR	0
MLTS		0.250	0	0	NR	NR	NR	0
MINES		0.500	0	0	0	NR	NR	0
FINDS		0.250	0	0	NR	NR	NR	0
RAATS		0.250	0	0	NR	NR	NR	0
STATE AND LOCAL RECORDS								
Hist Cal-Sites		1.250	0	0	0	0	0	0
CA Bond Exp. Plan		1.250	0	0	0	0	0	0
SCH		0.500	0	0	0	NR	NR	0
Toxic Pits		1.250	0	0	0	0	0	0
State Landfill		0.750	0	0	0	0	NR	0
CA WDS		0.250	0	0	NR	NR	NR	0
WMUDS/SWAT		0.750	0	0	0	0	NR	0
Cortese		0.750	0	0	0	0	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
SWRCY		0.750	0	0	0	0	NR	0
LUST		0.750	0	0	0	0	NR	0
CA FID UST	X	0.500	0	0	0	NR	NR	0
SLIC		0.750	0	0	0	0	NR	0
UST		0.500	0	0	0	NR	NR	0
HIST UST		0.500	0	0	0	NR	NR	0
AST		0.500	0	0	0	NR	NR	0
LIENS		0.250	0	0	NR	NR	NR	0
SWEEPS UST	X	0.500	0	0	0	NR	NR	0
CHMIRS		0.250	0	0	NR	NR	NR	0
Notify 65		1.250	0	0	0	0	0	0
DEED		0.750	0	0	0	0	NR	0
VCP		0.750	0	0	0	0	NR	0
DRYCLEANERS		0.500	0	0	0	NR	NR	0
WIP		0.500	0	0	0	NR	NR	0
CDL		0.250	0	0	NR	NR	NR	0
RESPONSE		1.250	0	0	0	0	0	0
HAZNET	X	0.250	0	0	NR	NR	NR	0
EMI		0.250	0	0	NR	NR	NR	0
ENVIROSTOR		1.250	0	0	0	0	0	0
HAULERS		0.250	0	0	NR	NR	NR	0
TRIBAL RECORDS								
INDIAN RESERV		1.250	0	0	0	1	0	1
INDIAN LUST		0.750	0	0	0	0	NR	0
INDIAN UST		0.500	0	0	0	NR	NR	0
EDR PROPRIETARY RECORDS								
Manufactured Gas Plants		1.250	0	0	0	0	0	0
EDR Historical Auto Stations		0.500	0	0	0	NR	NR	0
EDR Historical Cleaners		0.500	0	0	0	NR	NR	0

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

Map ID Direction Distance Distance (ft.) Elevation	Site	Database(s)	EDR ID Number EPA ID Number
A1 Target Property	**SOBOBA SPRINGS GOLF COURSE 1020 SOBOBA RD SAN JACINTO, CA 92583**	**HAZNET**	**S108220737 N/A**

Site 1 of 2 in cluster A

Actual:
1585 ft.

HAZNET:

Gepaid:	CAL000182665
Contact:	ENRIQUE ZAVALA SUPERINTENDENT
Telephone:	9096544114
Facility Addr2:	Not reported
Mailing Name:	Not reported
Mailing Address:	670 QUEEN STREET STE 200
Mailing City,St,Zip:	HONOLULU, HI 968130000
Gen County:	Riverside
TSD EPA ID:	CAT080013352
TSD County:	Los Angeles
Waste Category:	Aqueous solution with less than 10% total organic residues
Disposal Method:	Recycler
Tons:	0.09
Facility County:	Not reported

A2 Target Property	**SOBOBA SPRINGS COUNTRY CLUB 1020 SOBOBA RD SAN JACINTO, CA 92383**	**CA FID UST SWEEPS UST**	**S101589957 N/A**

Site 2 of 2 in cluster A

Actual:
1585 ft.

CA FID UST:

Facility ID:	33001716
Regulated By:	UTNKA
Regulated ID:	00002780
Cortese Code:	Not reported
SIC Code:	Not reported
Facility Phone:	7146549357
Mail To:	Not reported
Mailing Address:	1020 SOBOBA RD
Mailing Address 2:	Not reported
Mailing City,St,Zip:	SAN JACINTO 92383
Contact:	Not reported
Contact Phone:	Not reported
DUNs Number:	Not reported
NPDES Number:	Not reported
EPA ID:	Not reported
Comments:	Not reported
Status:	Active

SWEEPS UST:

Status:	A
Comp Number:	2780
Number:	1
Board Of Equalization:	44-017883
Ref Date:	07-05-90
Act Date:	07-05-90
Created Date:	02-29-88
Tank Status:	A
Owner Tank Id:	000980
Swrcb Tank Id:	33-000-002780-000001
Actv Date:	07-05-90

SOBOBA SPRINGS COUNTRY CLUB (Continued) **S101589957**

Capacity:	1000
Tank Use:	M.V. FUEL
Stg:	P
Content:	LEADED
Number Of Tanks:	2
Status:	A
Comp Number:	2780
Number:	1
Board Of Equalization:	44-017883
Ref Date:	07-05-90
Act Date:	07-05-90
Created Date:	02-29-88
Tank Status:	A
Owner Tank Id:	000980
Swrcb Tank Id:	33-000-002780-000002
Actv Date:	07-05-90
Capacity:	550
Tank Use:	M.V. FUEL
Stg:	P
Content:	REG UNLEADED
Number Of Tanks:	Not reported

IND RES **SOBOBA INDIAN RESERVATION** **INDIAN RESERV** **CIND100438**
Region **N/A**
SE **SOBOBA INDIAN RESERVATION (County), CA**
1/2-1
3851 ft. **Additional polygons located at: East 6489 ft.**

INDIAN RESERV:

Feature:	Indian Reservation
Name:	Soboba Indian Reservation
Agency:	BIA
State:	CA

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
GILMAN HOT SPGS	U003802593	GOLDEN ERA PRODUCTIONS	19625 HWY 79	92583	UST
GILMAN HOT SPRINGS	S104586825	COMM BLDGGILMAN HOT SPRINGS	19625 HIGHWAY 79	92583	CA WDS
GILMAN HOT SPRINGS	S105053031	GOLDEN ERA PRODUCTIONS	19625 HWY 79	92583	HAZNET, CHMIRS
SAN JACINTO	S107536409		7TH ST, 50 FT E OF RAMONA EXPRESSWAY	92583	CDL
SAN JACINTO	S107530646		20509 HWY 79, #37	92583	CDL
SAN JACINTO	S107538013		CEDAR AVE / SOBOBA CUT OFF		CDL
SAN JACINTO	S106117728	RICE DEVELOPMENT	NE CORNER STATE ST / RAMONA		LUST
SAN JACINTO	S106086509	ROBISON PREZISOSO INC	INTERSECT CAMINO LOS BANOS / MAIN ST	92583	HAZNET
SAN JACINTO	1000403116	WESTERN FARM SERV COASTAL DIV	733 MAIN ST	92583	RCRA-SQG, FINDS
SAN JACINTO	S108210723	JUOANNE ALLEN	392 MAIN	92583	HAZNET
SAN JACINTO	1009631230	SOUTHERN CALIFORNIA GAS CO	188 E MAIN ST		DOT OPS
SAN JACINTO	S107533145		346 S RAMONA BLVD, APT 1	92583	CDL
SAN JACINTO	S106571490	SID SYBRANDY DAIRY	34860 RAMONA EXPRESSWAY		CA WDS
SAN JACINTO	S107529916		1800 S SAN JACINTO, SP #153	92583	CDL
SAN JACINTO	S105850453	76 PRODUCTS FACILITY #5692	709 SOUTH SAN JACINTO STREET	92583	LUST
SAN JACINTO	S106093736	ADELPHIA CABLE COMMUNICATIONS	40480 SOBOBA RD	92583	HAZNET, EMI
SAN JACINTO	S107540712		SOBOBA RD, 2 MI E GILMAN SPRINGS RD		CDL
SAN JACINTO	S106800851	DEWATERINGSAN JACINTO-RESERVA	23904 SOBOBA ROAD		CA WDS
SAN JACINTO	S102435843	RICE DEVELOPMENT	STATE ST	92583	LUST
SAN JACINTO	S104754402	MINIMART	700 STATE ST	92583	LUST, Cortese
SAN JACINTO	S107533106		344 N STATE ST	92583	CDL
SAN JACINTO	S107533107		344 N STATE ST, SPACE 138	92583	CDL
SAN JACINTO	S107533108		344 N STATE ST, SPACE 158	92583	CDL
SAN JACINTO	S108487182	E & E TIRES	426 SOUTH STATE STREET	92583	HAULERS
SAN JACINTO	1009619582	344 N STATE ST APT SP 196	344 N STATE ST APT SP 196		US CDL

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.

FEDERAL RECORDS

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: 04/20/2007
Date Data Arrived at EDR: 05/03/2007
Date Made Active in Reports: 07/05/2007
Number of Days to Update: 63

Source: EPA
Telephone: N/A
Last EDR Contact: 05/03/2007
Next Scheduled EDR Contact: 07/30/2007
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 3
Telephone 215-814-5418

EPA Region 4
Telephone 404-562-8033

EPA Region 5
Telephone 312-886-6686

EPA Region 10
Telephone 206-553-8665

EPA Region 6
Telephone: 214-655-6659

EPA Region 7
Telephone: 913-551-7247

EPA Region 8
Telephone: 303-312-6774

EPA Region 9
Telephone: 415-947-4246

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: 04/20/2007
Date Data Arrived at EDR: 05/03/2007
Date Made Active in Reports: 07/05/2007
Number of Days to Update: 63

Source: EPA
Telephone: N/A
Last EDR Contact: 05/03/2007
Next Scheduled EDR Contact: 07/30/2007
Data Release Frequency: Quarterly

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: 04/20/2007
Date Data Arrived at EDR: 05/03/2007
Date Made Active in Reports: 06/25/2007
Number of Days to Update: 53

Source: EPA
Telephone: N/A
Last EDR Contact: 05/03/2007
Next Scheduled EDR Contact: 07/30/2007
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	Source: EPA
Date Data Arrived at EDR: 02/02/1994	Telephone: 202-564-4267
Date Made Active in Reports: 03/30/1994	Last EDR Contact: 05/21/2007
Number of Days to Update: 56	Next Scheduled EDR Contact: 08/20/2007
	Data Release Frequency: No Update Planned

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: 02/27/2007	Source: EPA
Date Data Arrived at EDR: 03/21/2007	Telephone: 703-412-9810
Date Made Active in Reports: 04/27/2007	Last EDR Contact: 06/20/2007
Number of Days to Update: 37	Next Scheduled EDR Contact: 09/17/2007
	Data Release Frequency: Quarterly

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: 03/21/2007	Source: EPA
Date Data Arrived at EDR: 04/27/2007	Telephone: 703-412-9810
Date Made Active in Reports: 05/25/2007	Last EDR Contact: 06/15/2007
Number of Days to Update: 28	Next Scheduled EDR Contact: 09/17/2007
	Data Release Frequency: Quarterly

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 03/14/2007	Source: EPA
Date Data Arrived at EDR: 03/20/2007	Telephone: 800-424-9346
Date Made Active in Reports: 04/27/2007	Last EDR Contact: 06/04/2007
Number of Days to Update: 38	Next Scheduled EDR Contact: 09/03/2007
	Data Release Frequency: Quarterly

RCRA: Resource Conservation and Recovery Act Information

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. RCRAInfo replaces the data recording and reporting abilities of the Resource Conservation and Recovery Information System (RCRIS). 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. Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month. Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month. Transporters are individuals or entities that move hazardous waste from the generator off-site 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: 06/13/2006
Date Data Arrived at EDR: 06/28/2006
Date Made Active in Reports: 08/23/2006
Number of Days to Update: 56

Source: EPA
Telephone: (415) 495-8895
Last EDR Contact: 07/16/2007
Next Scheduled EDR Contact: 09/17/2007
Data Release Frequency: Quarterly

ERNS: Emergency Response Notification System
Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous substances.

Date of Government Version: 12/31/2006
Date Data Arrived at EDR: 01/24/2007
Date Made Active in Reports: 03/12/2007
Number of Days to Update: 47

Source: National Response Center, United States Coast Guard
Telephone: 202-267-2180
Last EDR Contact: 07/23/2007
Next Scheduled EDR Contact: 10/22/2007
Data Release Frequency: Annually

HMIRS: Hazardous Materials Information Reporting System
Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 03/05/2007
Date Data Arrived at EDR: 04/17/2007
Date Made Active in Reports: 05/14/2007
Number of Days to Update: 27

Source: U.S. Department of Transportation
Telephone: 202-366-4555
Last EDR Contact: 07/18/2007
Next Scheduled EDR Contact: 10/15/2007
Data Release Frequency: Annually

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: 04/20/2007
Date Data Arrived at EDR: 04/26/2007
Date Made Active in Reports: 05/25/2007
Number of Days to Update: 29

Source: Environmental Protection Agency
Telephone: 703-603-8905
Last EDR Contact: 07/02/2007
Next Scheduled EDR Contact: 10/01/2007
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: 04/20/2007
Date Data Arrived at EDR: 04/26/2007
Date Made Active in Reports: 05/25/2007
Number of Days to Update: 29

Source: Environmental Protection Agency
Telephone: 703-603-8905
Last EDR Contact: 07/02/2007
Next Scheduled EDR Contact: 10/01/2007
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: 05/11/2007
Next Scheduled EDR Contact: 08/06/2007
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: 12/31/2005
Date Data Arrived at EDR: 09/20/2006
Date Made Active in Reports: 11/22/2006
Number of Days to Update: 63

Source: U.S. Army Corps of Engineers
Telephone: 202-528-4285
Last EDR Contact: 07/02/2007
Next Scheduled EDR Contact: 10/01/2007
Data Release Frequency: Varies

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: 04/04/2007
Date Data Arrived at EDR: 04/04/2007
Date Made Active in Reports: 05/25/2007
Number of Days to Update: 51

Source: Environmental Protection Agency
Telephone: 202-566-2777
Last EDR Contact: 06/11/2007
Next Scheduled EDR Contact: 09/10/2007
Data Release Frequency: Semi-Annually

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: 08/23/2006
Date Data Arrived at EDR: 03/06/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 35

Source: Department of Justice, Consent Decree Library
Telephone: Varies
Last EDR Contact: 07/24/2007
Next Scheduled EDR Contact: 10/22/2007
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: 03/27/2007
Date Data Arrived at EDR: 03/27/2007
Date Made Active in Reports: 04/27/2007
Number of Days to Update: 31

Source: EPA
Telephone: 703-416-0223
Last EDR Contact: 07/02/2007
Next Scheduled EDR Contact: 10/01/2007
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: 12/31/2005
Date Data Arrived at EDR: 11/08/2006
Date Made Active in Reports: 01/29/2007
Number of Days to Update: 82

Source: Department of Energy
Telephone: 505-845-0011
Last EDR Contact: 07/05/2007
Next Scheduled EDR Contact: 09/17/2007
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

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: 12/31/2005
Date Data Arrived at EDR: 04/27/2007
Date Made Active in Reports: 07/05/2007
Number of Days to Update: 69

Source: EPA
Telephone: 202-566-0250
Last EDR Contact: 06/19/2007
Next Scheduled EDR Contact: 09/17/2007
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: 07/30/2007
Next Scheduled EDR Contact: 10/15/2007
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: 04/13/2007
Date Data Arrived at EDR: 04/25/2007
Date Made Active in Reports: 07/05/2007
Number of Days to Update: 71

Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Telephone: 202-566-1667
Last EDR Contact: 06/15/2007
Next Scheduled EDR Contact: 09/17/2007
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: 04/13/2007
Date Data Arrived at EDR: 04/25/2007
Date Made Active in Reports: 07/05/2007
Number of Days to Update: 71

Source: EPA
Telephone: 202-566-1667
Last EDR Contact: 06/15/2007
Next Scheduled EDR Contact: 09/17/2007
Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 12/31/2005	Source: EPA
Date Data Arrived at EDR: 03/13/2007	Telephone: 202-564-4203
Date Made Active in Reports: 04/27/2007	Last EDR Contact: 07/16/2007
Number of Days to Update: 45	Next Scheduled EDR Contact: 10/15/2007
	Data Release Frequency: Annually

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: 03/08/2007	Source: Environmental Protection Agency
Date Data Arrived at EDR: 04/12/2007	Telephone: 202-564-6023
Date Made Active in Reports: 05/14/2007	Last EDR Contact: 05/21/2007
Number of Days to Update: 32	Next Scheduled EDR Contact: 08/20/2007
	Data Release Frequency: Varies

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: 05/01/2007	Source: Environmental Protection Agency
Date Data Arrived at EDR: 05/03/2007	Telephone: 202-343-9775
Date Made Active in Reports: 05/25/2007	Last EDR Contact: 05/03/2007
Number of Days to Update: 22	Next Scheduled EDR Contact: 07/30/2007
	Data Release Frequency: Quarterly

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: 12/01/2006	Source: Drug Enforcement Administration
Date Data Arrived at EDR: 01/08/2007	Telephone: 202-307-1000
Date Made Active in Reports: 01/11/2007	Last EDR Contact: 06/29/2007
Number of Days to Update: 3	Next Scheduled EDR Contact: 09/24/2007
	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	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/01/2007	Telephone: 202-564-2501
Date Made Active in Reports: 04/10/2007	Last EDR Contact: 06/15/2007
Number of Days to Update: 40	Next Scheduled EDR Contact: 09/17/2007
	Data Release Frequency: No Update Planned

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: 02/21/2007
Date Data Arrived at EDR: 04/03/2007
Date Made Active in Reports: 05/14/2007
Number of Days to Update: 41

Source: Environmental Protection Agency
Telephone: 202-564-5088
Last EDR Contact: 06/22/2007
Next Scheduled EDR Contact: 07/16/2007
Data Release Frequency: Quarterly

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: 06/11/2007
Next Scheduled EDR Contact: 09/10/2007
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: 05/14/2007
Date Data Arrived at EDR: 05/30/2007
Date Made Active in Reports: 07/05/2007
Number of Days to Update: 36

Source: Department of Transporation, Office of Pipeline Safety
Telephone: 202-366-4595
Last EDR Contact: 05/30/2007
Next Scheduled EDR Contact: 08/27/2007
Data Release Frequency: Varies

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: 10/17/2006
Date Data Arrived at EDR: 11/29/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 43

Source: EPA
Telephone: 202-566-0500
Last EDR Contact: 06/08/2007
Next Scheduled EDR Contact: 08/06/2007
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: 04/05/2007
Date Data Arrived at EDR: 04/25/2007
Date Made Active in Reports: 05/25/2007
Number of Days to Update: 30

Source: Nuclear Regulatory Commission
Telephone: 301-415-7169
Last EDR Contact: 07/02/2007
Next Scheduled EDR Contact: 10/01/2007
Data Release Frequency: Quarterly

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: 02/06/2007
Date Data Arrived at EDR: 03/28/2007
Date Made Active in Reports: 05/14/2007
Number of Days to Update: 47

Source: Department of Labor, Mine Safety and Health Administration
Telephone: 303-231-5959
Last EDR Contact: 06/28/2007
Next Scheduled EDR Contact: 09/24/2007
Data Release Frequency: Semi-Annually

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: 04/12/2007
Date Data Arrived at EDR: 05/17/2007
Date Made Active in Reports: 07/05/2007
Number of Days to Update: 49

Source: EPA
Telephone: (415) 947-8000
Last EDR Contact: 07/02/2007
Next Scheduled EDR Contact: 10/01/2007
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: 06/04/2007
Next Scheduled EDR Contact: 09/03/2007
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: 12/31/2005
Date Data Arrived at EDR: 03/06/2007
Date Made Active in Reports: 04/13/2007
Number of Days to Update: 38

Source: EPA/NTIS
Telephone: 800-424-9346
Last EDR Contact: 06/12/2007
Next Scheduled EDR Contact: 09/10/2007
Data Release Frequency: Biennially

USGS WATER WELLS: National Water Information System (NWIS)

This database consists of well records in the United States. Available site descriptive information includes well location information (latitude and longitude, well depth, site use, water use, and aquifer).

Date of Government Version: 03/25/2005
Date Data Arrived at EDR: 03/25/2005
Date Made Active in Reports: N/A
Number of Days to Update: 0

Source: USGS
Telephone: N/A
Last EDR Contact: 03/25/2005
Next Scheduled EDR Contact: N/A
Data Release Frequency: N/A

PWS: Public Water System Data

This Safe Drinking Water Information System (SDWIS) file contains public water systems name and address, population served and the primary source of water

Date of Government Version: 02/24/2000
Date Data Arrived at EDR: 04/27/2005
Date Made Active in Reports: N/A
Number of Days to Update: 0

Source: EPA
Telephone: N/A
Last EDR Contact: 05/21/2007
Next Scheduled EDR Contact: 08/20/2007
Data Release Frequency: N/A

STATE AND LOCAL RECORDS

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: 05/25/2007
Next Scheduled EDR Contact: 08/27/2007
Data Release Frequency: No Update Planned

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

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: 05/29/2007
Date Data Arrived at EDR: 05/30/2007
Date Made Active in Reports: 06/29/2007
Number of Days to Update: 30

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 05/30/2007
Next Scheduled EDR Contact: 08/27/2007
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: 07/30/2007
Next Scheduled EDR Contact: 10/29/2007
Data Release Frequency: No Update Planned

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: 06/11/2007
Date Data Arrived at EDR: 06/13/2007
Date Made Active in Reports: 06/29/2007
Number of Days to Update: 16

Source: Integrated Waste Management Board
Telephone: 916-341-6320
Last EDR Contact: 06/13/2007
Next Scheduled EDR Contact: 09/10/2007
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: 06/20/2007
Next Scheduled EDR Contact: 09/17/2007
Data Release Frequency: Quarterly

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: 06/04/2007
Next Scheduled EDR Contact: 09/03/2007
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: 04/01/2001
Date Data Arrived at EDR: 05/29/2001
Date Made Active in Reports: 07/26/2001
Number of Days to Update: 58

Source: CAL EPA/Office of Emergency Information
Telephone: 916-323-3400
Last EDR Contact: 07/23/2007
Next Scheduled EDR Contact: 10/22/2007
Data Release Frequency: No Update Planned

SWRCY: Recycler Database

A listing of recycling facilities in California.

Date of Government Version: 04/09/2007
Date Data Arrived at EDR: 04/11/2007
Date Made Active in Reports: 04/27/2007
Number of Days to Update: 16

Source: Department of Conservation
Telephone: 916-323-3836
Last EDR Contact: 07/11/2007
Next Scheduled EDR Contact: 10/08/2007
Data Release Frequency: Quarterly

LUST REG 1: Active Toxic Site Investigation

Del Norte, Humboldt, Lake, Mendocino, Modoc, Siskiyou, Sonoma, Trinity counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 02/01/2001
Date Data Arrived at EDR: 02/28/2001
Date Made Active in Reports: 03/29/2001
Number of Days to Update: 29

Source: California Regional Water Quality Control Board North Coast (1)
Telephone: 707-570-3769
Last EDR Contact: 05/21/2007
Next Scheduled EDR Contact: 08/20/2007
Data Release Frequency: No Update Planned

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: 07/16/2007
Next Scheduled EDR Contact: 10/15/2007
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: 05/07/2007
Next Scheduled EDR Contact: 08/06/2007
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: 05/21/2007
Next Scheduled EDR Contact: 08/20/2007
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: 07/02/2007
Next Scheduled EDR Contact: 10/01/2007
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: 06/04/2007
Next Scheduled EDR Contact: 09/03/2007
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: 04/01/2007
Date Data Arrived at EDR: 04/25/2007
Date Made Active in Reports: 05/10/2007
Number of Days to Update: 15

Source: California Regional Water Quality Control Board Central Valley Region (5)
Telephone: 916-464-4834
Last EDR Contact: 07/20/2007
Next Scheduled EDR Contact: 10/01/2007
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: 06/25/2007
Next Scheduled EDR Contact: 09/24/2007
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: 05/14/2007
Next Scheduled EDR Contact: 08/13/2007
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: 07/09/2007
Next Scheduled EDR Contact: 10/08/2007
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: 04/10/2007
Date Data Arrived at EDR: 04/11/2007
Date Made Active in Reports: 04/27/2007
Number of Days to Update: 16

Source: State Water Resources Control Board
Telephone: see region list
Last EDR Contact: 07/11/2007
Next Scheduled EDR Contact: 10/08/2007
Data Release Frequency: Quarterly

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

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: 04/10/2007
Date Data Arrived at EDR: 04/11/2007
Date Made Active in Reports: 04/27/2007
Number of Days to Update: 16

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 07/11/2007
Next Scheduled EDR Contact: 10/08/2007
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: 05/21/2007
Next Scheduled EDR Contact: 08/20/2007
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: 07/09/2007
Next Scheduled EDR Contact: 10/08/2007
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: 05/14/2007
Next Scheduled EDR Contact: 08/13/2007
Data Release Frequency: Semi-Annually

SLIC REG 4: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 11/17/2004
Date Data Arrived at EDR: 11/18/2004
Date Made Active in Reports: 01/04/2005
Number of Days to Update: 47

Source: Region Water Quality Control Board Los Angeles Region (4)
Telephone: 213-576-6600
Last EDR Contact: 07/23/2007
Next Scheduled EDR Contact: 10/22/2007
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: 07/02/2007
Next Scheduled EDR Contact: 10/01/2007
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: 07/02/2007
Next Scheduled EDR Contact: 10/01/2007
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: 06/04/2007
Next Scheduled EDR Contact: 09/03/2007
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: 05/21/2007
Next Scheduled EDR Contact: 08/20/2007
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: 04/06/2006
Date Data Arrived at EDR: 04/06/2006
Date Made Active in Reports: 05/11/2006
Number of Days to Update: 35

Source: California Region Water Quality Control Board Santa Ana Region (8)
Telephone: 951-782-3298
Last EDR Contact: 07/17/2007
Next Scheduled EDR Contact: 10/01/2007
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: 03/13/2007
Date Data Arrived at EDR: 03/14/2007
Date Made Active in Reports: 04/06/2007
Number of Days to Update: 23

Source: California Regional Water Quality Control Board San Diego Region (9)
Telephone: 858-467-2980
Last EDR Contact: 06/29/2007
Next Scheduled EDR Contact: 08/27/2007
Data Release Frequency: Annually

UST: Active UST Facilities
Active UST facilities gathered from the local regulatory agencies

Date of Government Version: 07/10/2007
Date Data Arrived at EDR: 07/11/2007
Date Made Active in Reports: 07/25/2007
Number of Days to Update: 14

Source: SWRCB
Telephone: 916-480-1028
Last EDR Contact: 07/11/2007
Next Scheduled EDR Contact: 10/08/2007
Data Release Frequency: Semi-Annually

UST MENDOCINO: Mendocino County UST Database
A listing of underground storage tank locations in Mendocino County.

Date of Government Version: 06/25/2007
Date Data Arrived at EDR: 06/26/2007
Date Made Active in Reports: 07/25/2007
Number of Days to Update: 29

Source: Department of Public Health
Telephone: 707-463-4466
Last EDR Contact: 06/25/2007
Next Scheduled EDR Contact: 09/24/2007
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

LIENS: Environmental Liens Listing
A listing of property locations with environmental liens for California where DTSC is a lien holder.

Date of Government Version: 05/07/2007
Date Data Arrived at EDR: 05/08/2007
Date Made Active in Reports: 05/25/2007
Number of Days to Update: 17

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 02/22/2007
Next Scheduled EDR Contact: 08/06/2007
Data Release Frequency: Varies

AST: Aboveground Petroleum Storage Tank Facilities
Registered Aboveground Storage Tanks.

Date of Government Version: 05/01/2007
Date Data Arrived at EDR: 05/01/2007
Date Made Active in Reports: 05/25/2007
Number of Days to Update: 24

Source: State Water Resources Control Board
Telephone: 916-341-5712
Last EDR Contact: 07/30/2007
Next Scheduled EDR Contact: 10/29/2007
Data Release Frequency: Quarterly

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 1980'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

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: 12/31/2005
Date Data Arrived at EDR: 02/23/2007
Date Made Active in Reports: 04/06/2007
Number of Days to Update: 42

Source: Office of Emergency Services
Telephone: 916-845-8400
Last EDR Contact: 05/21/2007
Next Scheduled EDR Contact: 08/20/2007
Data Release Frequency: Varies

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: 07/16/2007
Next Scheduled EDR Contact: 10/15/2007
Data Release Frequency: No Update Planned

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: 04/03/2007
Date Data Arrived at EDR: 04/05/2007
Date Made Active in Reports: 04/27/2007
Number of Days to Update: 22

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 07/03/2007
Next Scheduled EDR Contact: 10/01/2007
Data Release Frequency: Semi-Annually

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: 05/29/2007
Date Data Arrived at EDR: 05/30/2007
Date Made Active in Reports: 06/29/2007
Number of Days to Update: 30

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 05/30/2007
Next Scheduled EDR Contact: 08/27/2007
Data Release Frequency: Quarterly

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: 04/18/2005
Date Data Arrived at EDR: 04/18/2005
Date Made Active in Reports: 05/06/2005
Number of Days to Update: 18

Source: Department of Toxic Substance Control
Telephone: 916-327-4498
Last EDR Contact: 07/30/2007
Next Scheduled EDR Contact: 10/01/2007
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: 03/01/2007
Date Data Arrived at EDR: 03/13/2007
Date Made Active in Reports: 04/06/2007
Number of Days to Update: 24

Source: Los Angeles Water Quality Control Board
Telephone: 213-576-6726
Last EDR Contact: 07/27/2007
Next Scheduled EDR Contact: 10/22/2007
Data Release Frequency: Varies

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: 12/31/2006
Date Data Arrived at EDR: 03/07/2007
Date Made Active in Reports: 04/06/2007
Number of Days to Update: 30

Source: Department of Toxic Substances Control
Telephone: 916-255-6504
Last EDR Contact: 07/23/2007
Next Scheduled EDR Contact: 10/22/2007
Data Release Frequency: Varies

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: 05/29/2007
Date Data Arrived at EDR: 05/30/2007
Date Made Active in Reports: 06/29/2007
Number of Days to Update: 30

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 05/30/2007
Next Scheduled EDR Contact: 08/27/2007
Data Release Frequency: Quarterly

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: 12/31/2005
Date Data Arrived at EDR: 11/20/2006
Date Made Active in Reports: 01/03/2007
Number of Days to Update: 44

Source: California Environmental Protection Agency
Telephone: 916-255-1136
Last EDR Contact: 05/11/2007
Next Scheduled EDR Contact: 08/06/2007
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: 12/31/2005
Date Data Arrived at EDR: 04/17/2007
Date Made Active in Reports: 05/10/2007
Number of Days to Update: 23

Source: California Air Resources Board
Telephone: 916-322-2990
Last EDR Contact: 07/20/2007
Next Scheduled EDR Contact: 10/15/2007
Data Release Frequency: Varies

HAULERS: Registered Waste Tire Haulers Listing
A listing of registered waste tire haulers.

Date of Government Version: 06/07/2007
Date Data Arrived at EDR: 06/08/2007
Date Made Active in Reports: 06/29/2007
Number of Days to Update: 21

Source: Integrated Waste Management Board
Telephone: 916-341-6422
Last EDR Contact: 05/11/2007
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

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: 05/29/2007
Date Data Arrived at EDR: 05/30/2007
Date Made Active in Reports: 06/29/2007
Number of Days to Update: 30

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 05/30/2007
Next Scheduled EDR Contact: 08/27/2007
Data Release Frequency: Quarterly

TRIBAL RECORDS

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: 05/11/2007
Next Scheduled EDR Contact: 08/06/2007
Data Release Frequency: Semi-Annually

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: 12/01/2006
Date Data Arrived at EDR: 12/01/2006
Date Made Active in Reports: 01/29/2007
Number of Days to Update: 59

Source: EPA Region 1
Telephone: 617-918-1313
Last EDR Contact: 05/21/2007
Next Scheduled EDR Contact: 08/20/2007
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: 06/01/2007
Date Data Arrived at EDR: 06/14/2007
Date Made Active in Reports: 07/05/2007
Number of Days to Update: 21

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 05/21/2007
Next Scheduled EDR Contact: 08/20/2007
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: 01/04/2005
Date Data Arrived at EDR: 01/21/2005
Date Made Active in Reports: 02/28/2005
Number of Days to Update: 38

Source: EPA Region 6
Telephone: 214-665-6597
Last EDR Contact: 05/21/2007
Next Scheduled EDR Contact: 08/20/2007
Data Release Frequency: Varies

INDIAN LUST R4: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Florida, Minnesota, Mississippi and North Carolina.

Date of Government Version: 03/20/2007
Date Data Arrived at EDR: 04/16/2007
Date Made Active in Reports: 05/14/2007
Number of Days to Update: 28

Source: EPA Region 4
Telephone: 404-562-8677
Last EDR Contact: 05/21/2007
Next Scheduled EDR Contact: 08/20/2007
Data Release Frequency: Semi-Annually

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: 05/30/2007
Date Data Arrived at EDR: 05/31/2007
Date Made Active in Reports: 07/05/2007
Number of Days to Update: 35

Source: EPA Region 8
Telephone: 303-312-6271
Last EDR Contact: 05/21/2007
Next Scheduled EDR Contact: 08/20/2007
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: 05/23/2007
Date Data Arrived at EDR: 05/24/2007
Date Made Active in Reports: 07/05/2007
Number of Days to Update: 42

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 05/21/2007
Next Scheduled EDR Contact: 08/20/2007
Data Release Frequency: Quarterly

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: 06/18/2007
Date Data Arrived at EDR: 06/18/2007
Date Made Active in Reports: 07/05/2007
Number of Days to Update: 17

Source: Environmental Protection Agency
Telephone: 415-972-3372
Last EDR Contact: 05/21/2007
Next Scheduled EDR Contact: 08/20/2007
Data Release Frequency: Quarterly

INDIAN UST R6: Underground Storage Tanks on Indian Land

Date of Government Version: 06/06/2007
Date Data Arrived at EDR: 06/07/2007
Date Made Active in Reports: 07/05/2007
Number of Days to Update: 28

Source: EPA Region 6
Telephone: 214-665-7591
Last EDR Contact: 05/21/2007
Next Scheduled EDR Contact: 08/20/2007
Data Release Frequency: Semi-Annually

INDIAN UST R7: Underground Storage Tanks on Indian Land

Date of Government Version: 06/01/2007
Date Data Arrived at EDR: 06/14/2007
Date Made Active in Reports: 07/05/2007
Number of Days to Update: 21

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 05/21/2007
Next Scheduled EDR Contact: 08/20/2007
Data Release Frequency: Varies

INDIAN UST R4: Underground Storage Tanks on Indian Land

Date of Government Version: 03/20/2007
Date Data Arrived at EDR: 04/16/2007
Date Made Active in Reports: 05/14/2007
Number of Days to Update: 28

Source: EPA Region 4
Telephone: 404-562-9424
Last EDR Contact: 05/21/2007
Next Scheduled EDR Contact: 08/20/2007
Data Release Frequency: Semi-Annually

INDIAN UST R9: Underground Storage Tanks on Indian Land

Date of Government Version: 06/18/2007	Source: EPA Region 9
Date Data Arrived at EDR: 06/18/2007	Telephone: 415-972-3368
Date Made Active in Reports: 07/05/2007	Last EDR Contact: 05/21/2007
Number of Days to Update: 17	Next Scheduled EDR Contact: 08/20/2007
	Data Release Frequency: Quarterly

INDIAN UST R1: Underground Storage Tanks on Indian Land
A listing of underground storage tank locations on Indian Land.

Date of Government Version: 12/01/2006	Source: EPA, Region 1
Date Data Arrived at EDR: 12/01/2006	Telephone: 617-918-1313
Date Made Active in Reports: 01/29/2007	Last EDR Contact: 05/21/2007
Number of Days to Update: 59	Next Scheduled EDR Contact: 08/20/2007
	Data Release Frequency: Varies

INDIAN UST R5: Underground Storage Tanks on Indian Land

Date of Government Version: 12/02/2004	Source: EPA Region 5
Date Data Arrived at EDR: 12/29/2004	Telephone: 312-886-6136
Date Made Active in Reports: 02/04/2005	Last EDR Contact: 05/21/2007
Number of Days to Update: 37	Next Scheduled EDR Contact: 08/20/2007
	Data Release Frequency: Varies

INDIAN UST R8: Underground Storage Tanks on Indian Land

Date of Government Version: 05/30/2007	Source: EPA Region 8
Date Data Arrived at EDR: 05/31/2007	Telephone: 303-312-6137
Date Made Active in Reports: 07/05/2007	Last EDR Contact: 05/21/2007
Number of Days to Update: 35	Next Scheduled EDR Contact: 08/20/2007
	Data Release Frequency: Quarterly

INDIAN UST R10: Underground Storage Tanks on Indian Land

Date of Government Version: 05/23/2007	Source: EPA Region 10
Date Data Arrived at EDR: 05/24/2007	Telephone: 206-553-2857
Date Made Active in Reports: 07/05/2007	Last EDR Contact: 05/21/2007
Number of Days to Update: 42	Next Scheduled EDR Contact: 08/20/2007
	Data Release Frequency: Quarterly

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	Source: EDR, Inc.
Date Data Arrived at EDR: N/A	Telephone: N/A
Date Made Active in Reports: N/A	Last EDR Contact: N/A
Number of Days to Update: 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	Source: EDR, Inc.
Date Data Arrived at EDR: N/A	Telephone: N/A
Date Made Active in Reports: N/A	Last EDR Contact: N/A
Number of Days to Update: 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	Source: EDR, Inc.
Date Data Arrived at EDR: N/A	Telephone: N/A
Date Made Active in Reports: N/A	Last EDR Contact: N/A
Number of Days to Update: 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: 04/24/2007	Source: Alameda County Environmental Health Services
Date Data Arrived at EDR: 04/26/2007	Telephone: 510-567-6700
Date Made Active in Reports: 05/10/2007	Last EDR Contact: 07/23/2007
Number of Days to Update: 14	Next Scheduled EDR Contact: 10/22/2007
	Data Release Frequency: Semi-Annually

Underground Tanks

Underground storage tank sites located in Alameda county.

Date of Government Version: 04/24/2007	Source: Alameda County Environmental Health Services
Date Data Arrived at EDR: 04/26/2007	Telephone: 510-567-6700
Date Made Active in Reports: 05/07/2007	Last EDR Contact: 07/23/2007
Number of Days to Update: 11	Next Scheduled EDR Contact: 10/22/2007
	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: 05/29/2007	Source: Contra Costa Health Services Department
Date Data Arrived at EDR: 05/31/2007	Telephone: 925-646-2286
Date Made Active in Reports: 06/29/2007	Last EDR Contact: 05/29/2007
Number of Days to Update: 29	Next Scheduled EDR Contact: 08/27/2007
	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: 04/09/2007
Date Data Arrived at EDR: 04/10/2007
Date Made Active in Reports: 04/27/2007
Number of Days to Update: 17

Source: Dept. of Community Health
Telephone: 559-445-3271
Last EDR Contact: 07/17/2007
Next Scheduled EDR Contact: 08/06/2007
Data Release Frequency: Semi-Annually

KERN COUNTY:

Underground Storage Tank Sites & Tank Listing
Kern County Sites and Tanks Listing.

Date of Government Version: 06/20/2007
Date Data Arrived at EDR: 06/21/2007
Date Made Active in Reports: 07/25/2007
Number of Days to Update: 34

Source: Kern County Environment Health Services Department
Telephone: 661-862-8700
Last EDR Contact: 06/18/2007
Next Scheduled EDR Contact: 09/03/2007
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: 12/31/1998
Date Data Arrived at EDR: 07/07/1999
Date Made Active in Reports: N/A
Number of Days to Update: 0

Source: EPA Region 9
Telephone: 415-972-3178
Last EDR Contact: 07/16/2007
Next Scheduled EDR Contact: 10/15/2007
Data Release Frequency: No Update Planned

HMS: Street Number List
Industrial Waste and Underground Storage Tank Sites.

Date of Government Version: 01/31/2007
Date Data Arrived at EDR: 04/12/2007
Date Made Active in Reports: 04/27/2007
Number of Days to Update: 15

Source: Department of Public Works
Telephone: 626-458-3517
Last EDR Contact: 05/14/2007
Next Scheduled EDR Contact: 08/13/2007
Data Release Frequency: Semi-Annually

List of Solid Waste Facilities
Solid Waste Facilities in Los Angeles County.

Date of Government Version: 05/15/2007
Date Data Arrived at EDR: 06/08/2007
Date Made Active in Reports: 06/29/2007
Number of Days to Update: 21

Source: La County Department of Public Works
Telephone: 818-458-5185
Last EDR Contact: 05/16/2007
Next Scheduled EDR Contact: 08/13/2007
Data Release Frequency: Varies

City of Los Angeles Landfills
Landfills owned and maintained by the City of Los Angeles.

Date of Government Version: 03/01/2007
Date Data Arrived at EDR: 03/27/2007
Date Made Active in Reports: 04/27/2007
Number of Days to Update: 31

Source: Engineering & Construction Division
Telephone: 213-473-7869
Last EDR Contact: 06/11/2007
Next Scheduled EDR Contact: 09/10/2007
Data Release Frequency: Varies

Site Mitigation List
Industrial sites that have had some sort of spill or complaint.

Date of Government Version: 12/04/2006
Date Data Arrived at EDR: 01/09/2007
Date Made Active in Reports: 01/24/2007
Number of Days to Update: 15

Source: Community Health Services
Telephone: 323-890-7806
Last EDR Contact: 05/14/2007
Next Scheduled EDR Contact: 08/13/2007
Data Release Frequency: Annually

City of El Segundo Underground Storage Tank
Underground storage tank sites located in El Segundo city.

Date of Government Version: 05/14/2007
Date Data Arrived at EDR: 05/15/2007
Date Made Active in Reports: 06/25/2007
Number of Days to Update: 41

Source: City of El Segundo Fire Department
Telephone: 310-524-2236
Last EDR Contact: 05/14/2007
Next Scheduled EDR Contact: 08/13/2007
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: 05/30/2007
Next Scheduled EDR Contact: 08/20/2007
Data Release Frequency: Annually

City of Torrance Underground Storage Tank
Underground storage tank sites located in the city of Torrance.

Date of Government Version: 05/29/2007
Date Data Arrived at EDR: 05/29/2007
Date Made Active in Reports: 06/25/2007
Number of Days to Update: 27

Source: City of Torrance Fire Department
Telephone: 310-618-2973
Last EDR Contact: 05/29/2007
Next Scheduled EDR Contact: 08/13/2007
Data Release Frequency: Semi-Annually

MARIN COUNTY:

Underground Storage Tank Sites
Currently permitted USTs in Marin County.

Date of Government Version: 05/08/2007
Date Data Arrived at EDR: 06/08/2007
Date Made Active in Reports: 07/25/2007
Number of Days to Update: 47

Source: Public Works Department Waste Management
Telephone: 415-499-6647
Last EDR Contact: 07/30/2007
Next Scheduled EDR Contact: 10/29/2007
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: 04/09/2007
Date Data Arrived at EDR: 04/10/2007
Date Made Active in Reports: 04/27/2007
Number of Days to Update: 17

Source: Napa County Department of Environmental Management
Telephone: 707-253-4269
Last EDR Contact: 07/24/2007
Next Scheduled EDR Contact: 09/24/2007
Data Release Frequency: Semi-Annually

Closed and Operating Underground Storage Tank Sites
Underground storage tank sites located in Napa county.

Date of Government Version: 04/09/2007
Date Data Arrived at EDR: 04/10/2007
Date Made Active in Reports: 04/24/2007
Number of Days to Update: 14

Source: Napa County Department of Environmental Management
Telephone: 707-253-4269
Last EDR Contact: 07/24/2007
Next Scheduled EDR Contact: 09/24/2007
Data Release Frequency: Annually

ORANGE COUNTY:

List of Industrial Site Cleanups
Petroleum and non-petroleum spills.

Date of Government Version: 06/01/2007
Date Data Arrived at EDR: 06/19/2007
Date Made Active in Reports: 06/29/2007
Number of Days to Update: 10

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 06/06/2007
Next Scheduled EDR Contact: 09/03/2007
Data Release Frequency: Annually

List of Underground Storage Tank Cleanups
Orange County Underground Storage Tank Cleanups (LUST).

Date of Government Version: 06/01/2007
Date Data Arrived at EDR: 06/19/2007
Date Made Active in Reports: 06/29/2007
Number of Days to Update: 10

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 06/06/2007
Next Scheduled EDR Contact: 09/03/2007
Data Release Frequency: Quarterly

List of Underground Storage Tank Facilities
Orange County Underground Storage Tank Facilities (UST).

Date of Government Version: 06/01/2007
Date Data Arrived at EDR: 06/19/2007
Date Made Active in Reports: 07/25/2007
Number of Days to Update: 36

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 06/06/2007
Next Scheduled EDR Contact: 09/03/2007
Data Release Frequency: Quarterly

PLACER COUNTY:

Master List of Facilities
List includes aboveground tanks, underground tanks and cleanup sites.

Date of Government Version: 04/04/2007
Date Data Arrived at EDR: 04/05/2007
Date Made Active in Reports: 04/27/2007
Number of Days to Update: 22

Source: Placer County Health and Human Services
Telephone: 530-889-7312
Last EDR Contact: 06/18/2007
Next Scheduled EDR Contact: 09/17/2007
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: 05/21/2007
Date Data Arrived at EDR: 05/22/2007
Date Made Active in Reports: 06/29/2007
Number of Days to Update: 38

Source: Department of Public Health
Telephone: 951-358-5055
Last EDR Contact: 07/16/2007
Next Scheduled EDR Contact: 10/15/2007
Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Underground Storage Tank Tank List

Underground storage tank sites located in Riverside county.

Date of Government Version: 05/21/2007
Date Data Arrived at EDR: 05/22/2007
Date Made Active in Reports: 06/25/2007
Number of Days to Update: 34

Source: Health Services Agency
Telephone: 951-358-5055
Last EDR Contact: 07/16/2007
Next Scheduled EDR Contact: 10/15/2007
Data Release Frequency: Quarterly

SACRAMENTO COUNTY:

Contaminated Sites

List of sites where unauthorized releases of potentially hazardous materials have occurred.

Date of Government Version: 05/04/2007
Date Data Arrived at EDR: 05/23/2007
Date Made Active in Reports: 06/29/2007
Number of Days to Update: 37

Source: Sacramento County Environmental Management
Telephone: 916-875-8406
Last EDR Contact: 07/31/2007
Next Scheduled EDR Contact: 10/29/2007
Data Release Frequency: Quarterly

ML - Regulatory Compliance Master List

Any business that has hazardous materials on site - hazardous material storage sites, underground storage tanks, waste generators.

Date of Government Version: 05/04/2007
Date Data Arrived at EDR: 05/24/2007
Date Made Active in Reports: 06/29/2007
Number of Days to Update: 36

Source: Sacramento County Environmental Management
Telephone: 916-875-8406
Last EDR Contact: 07/31/2007
Next Scheduled EDR Contact: 10/29/2007
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: 03/23/2007
Date Data Arrived at EDR: 03/27/2007
Date Made Active in Reports: 04/27/2007
Number of Days to Update: 31

Source: San Bernardino County Fire Department Hazardous Materials Division
Telephone: 909-387-3041
Last EDR Contact: 06/04/2007
Next Scheduled EDR Contact: 09/03/2007
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: 05/16/2005
Date Data Arrived at EDR: 05/18/2005
Date Made Active in Reports: 06/16/2005
Number of Days to Update: 29

Source: Hazardous Materials Management Division
Telephone: 619-338-2268
Last EDR Contact: 07/05/2007
Next Scheduled EDR Contact: 10/01/2007
Data Release Frequency: Quarterly

Solid Waste Facilities

San Diego County Solid Waste Facilities.

Date of Government Version: 11/01/2006
Date Data Arrived at EDR: 01/03/2007
Date Made Active in Reports: 01/24/2007
Number of Days to Update: 21

Source: Department of Health Services
Telephone: 619-338-2209
Last EDR Contact: 06/04/2007
Next Scheduled EDR Contact: 08/20/2007
Data Release Frequency: Varies

Environmental Case Listing

The listing contains all underground tank release cases and projects pertaining to properties contaminated with hazardous substances that are actively under review by the Site Assessment and Mitigation Program.

Date of Government Version: 03/29/2007
Date Data Arrived at EDR: 04/24/2007
Date Made Active in Reports: 05/10/2007
Number of Days to Update: 16

Source: San Diego County Department of Environmental Health
Telephone: 619-338-2371
Last EDR Contact: 07/03/2007
Next Scheduled EDR Contact: 10/01/2007
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: 06/08/2007
Date Data Arrived at EDR: 06/12/2007
Date Made Active in Reports: 06/29/2007
Number of Days to Update: 17

Source: Department Of Public Health San Francisco County
Telephone: 415-252-3920
Last EDR Contact: 06/04/2007
Next Scheduled EDR Contact: 09/03/2007
Data Release Frequency: Quarterly

Underground Storage Tank Information

Underground storage tank sites located in San Francisco county.

Date of Government Version: 06/08/2007
Date Data Arrived at EDR: 06/12/2007
Date Made Active in Reports: 07/25/2007
Number of Days to Update: 43

Source: Department of Public Health
Telephone: 415-252-3920
Last EDR Contact: 06/04/2007
Next Scheduled EDR Contact: 09/03/2007
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: 04/06/2007
Date Data Arrived at EDR: 04/10/2007
Date Made Active in Reports: 04/24/2007
Number of Days to Update: 14

Source: Environmental Health Department
Telephone: N/A
Last EDR Contact: 07/30/2007
Next Scheduled EDR Contact: 10/15/2007
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: 04/30/2007
Date Data Arrived at EDR: 05/01/2007
Date Made Active in Reports: 05/25/2007
Number of Days to Update: 24

Source: San Mateo County Environmental Health Services Division
Telephone: 650-363-1921
Last EDR Contact: 07/09/2007
Next Scheduled EDR Contact: 10/08/2007
Data Release Frequency: Annually

Fuel Leak List

A listing of leaking underground storage tank sites located in San Mateo county.

Date of Government Version: 04/11/2007
Date Data Arrived at EDR: 04/12/2007
Date Made Active in Reports: 04/27/2007
Number of Days to Update: 15

Source: San Mateo County Environmental Health Services Division
Telephone: 650-363-1921
Last EDR Contact: 07/09/2007
Next Scheduled EDR Contact: 10/08/2007
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: 06/25/2007
Next Scheduled EDR Contact: 09/24/2007
Data Release Frequency: No Update Planned

LOP Listing

A listing of leaking underground storage tanks located in Santa Clara county.

Date of Government Version: 03/26/2007
Date Data Arrived at EDR: 03/27/2007
Date Made Active in Reports: 04/27/2007
Number of Days to Update: 31

Source: Department of Environmental Health
Telephone: 408-918-3417
Last EDR Contact: 06/25/2007
Next Scheduled EDR Contact: 09/24/2007
Data Release Frequency: Varies

Hazardous Material Facilities

Hazardous material facilities, including underground storage tank sites.

Date of Government Version: 06/11/2007
Date Data Arrived at EDR: 06/12/2007
Date Made Active in Reports: 06/29/2007
Number of Days to Update: 17

Source: City of San Jose Fire Department
Telephone: 408-277-4659
Last EDR Contact: 06/04/2007
Next Scheduled EDR Contact: 09/03/2007
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: 03/26/2007
Date Data Arrived at EDR: 04/16/2007
Date Made Active in Reports: 05/10/2007
Number of Days to Update: 24

Source: Solano County Department of Environmental Management
Telephone: 707-784-6770
Last EDR Contact: 07/09/2007
Next Scheduled EDR Contact: 09/24/2007
Data Release Frequency: Quarterly

Underground Storage Tanks

Underground storage tank sites located in Solano county.

Date of Government Version: 03/26/2007
Date Data Arrived at EDR: 04/18/2007
Date Made Active in Reports: 05/07/2007
Number of Days to Update: 19

Source: Solano County Department of Environmental Management
Telephone: 707-784-6770
Last EDR Contact: 07/09/2007
Next Scheduled EDR Contact: 09/24/2007
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: 04/23/2007
Date Data Arrived at EDR: 04/24/2007
Date Made Active in Reports: 05/10/2007
Number of Days to Update: 16

Source: Department of Health Services
Telephone: 707-565-6565
Last EDR Contact: 07/09/2007
Next Scheduled EDR Contact: 10/22/2007
Data Release Frequency: Quarterly

SUTTER COUNTY:

Underground Storage Tanks

Underground storage tank sites located in Sutter county.

Date of Government Version: 05/04/2007
Date Data Arrived at EDR: 05/04/2007
Date Made Active in Reports: 05/24/2007
Number of Days to Update: 20

Source: Sutter County Department of Agriculture
Telephone: 530-822-7500
Last EDR Contact: 07/02/2007
Next Scheduled EDR Contact: 10/01/2007
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: 05/30/2007
Date Data Arrived at EDR: 06/22/2007
Date Made Active in Reports: 06/29/2007
Number of Days to Update: 7

Source: Ventura County Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 06/12/2007
Next Scheduled EDR Contact: 09/10/2007
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: 08/01/2006
Date Data Arrived at EDR: 09/05/2006
Date Made Active in Reports: 10/05/2006
Number of Days to Update: 30

Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 05/21/2007
Next Scheduled EDR Contact: 08/20/2007
Data Release Frequency: Annually

Listing of Underground Tank Cleanup Sites

Ventura County Underground Storage Tank Cleanup Sites (LUST).

Date of Government Version: 06/05/2007
Date Data Arrived at EDR: 06/21/2007
Date Made Active in Reports: 06/29/2007
Number of Days to Update: 8

Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 06/12/2007
Next Scheduled EDR Contact: 09/10/2007
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: 03/28/2007
Date Data Arrived at EDR: 04/24/2007
Date Made Active in Reports: 05/07/2007
Number of Days to Update: 13

Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 07/11/2007
Next Scheduled EDR Contact: 10/08/2007
Data Release Frequency: Quarterly

YOLO COUNTY:

Underground Storage Tank Comprehensive Facility Report

Underground storage tank sites located in Yolo county.

Date of Government Version: 04/30/2007
Date Data Arrived at EDR: 05/15/2007
Date Made Active in Reports: 06/25/2007
Number of Days to Update: 41

Source: Yolo County Department of Health
Telephone: 530-666-8646
Last EDR Contact: 07/30/2007
Next Scheduled EDR Contact: 10/15/2007
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: 12/31/2004
Date Data Arrived at EDR: 02/17/2006
Date Made Active in Reports: 04/07/2006
Number of Days to Update: 49

Source: Department of Environmental Protection
Telephone: 860-424-3375
Last EDR Contact: 06/13/2007
Next Scheduled EDR Contact: 09/10/2007
Data Release Frequency: Annually

NJ MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 04/01/2007
Date Data Arrived at EDR: 04/05/2007
Date Made Active in Reports: 05/08/2007
Number of Days to Update: 33

Source: Department of Environmental Protection
Telephone: N/A
Last EDR Contact: 07/03/2007
Next Scheduled EDR Contact: 10/01/2007
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: 10/26/2006
Date Data Arrived at EDR: 11/29/2006
Date Made Active in Reports: 01/05/2007
Number of Days to Update: 37

Source: Department of Environmental Conservation
Telephone: 518-402-8651
Last EDR Contact: 06/01/2007
Next Scheduled EDR Contact: 08/27/2007
Data Release Frequency: Annually

PA MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 03/17/2006
Date Made Active in Reports: 06/06/2006
Number of Days to Update: 81

Source: Department of Environmental Protection
Telephone: N/A
Last EDR Contact: 06/11/2007
Next Scheduled EDR Contact: 09/10/2007
Data Release Frequency: Annually

RI MANIFEST: Manifest information

Hazardous waste manifest information

Date of Government Version: 04/09/2007
Date Data Arrived at EDR: 04/12/2007
Date Made Active in Reports: 04/27/2007
Number of Days to Update: 15

Source: Department of Environmental Management
Telephone: 401-222-2797
Last EDR Contact: 06/18/2007
Next Scheduled EDR Contact: 09/17/2007
Data Release Frequency: Annually

WI MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 12/31/2006
Date Data Arrived at EDR: 04/27/2007
Date Made Active in Reports: 06/08/2007
Number of Days to Update: 42

Source: Department of Natural Resources
Telephone: N/A
Last EDR Contact: 07/09/2007
Next Scheduled EDR Contact: 10/08/2007
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.

STREET AND ADDRESS INFORMATION

GEOCHECK ®- PHYSICAL SETTING SOURCE ADDENDUM

TARGET PROPERTY ADDRESS

SOBOBA HORSESHOE GRANDE
1020 SOBOBA RD
SAN JACINTO, CA 92583

TARGET PROPERTY COORDINATES

Latitude (North):	33.79280 - 33˚ 47’ 34.1’’
Longitude (West):	116.9318 - 116˚ 55’ 54.5’’
Universal Tranverse Mercator:	Zone 11
UTM X (Meters):	506313.5
UTM Y (Meters):	3738990.8
Elevation:	1585 ft. above sea level

USGS TOPOGRAPHIC MAP

Target Property Map:	33116-G8 SAN JACINTO, CA
Most Recent Revision:	1979

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).

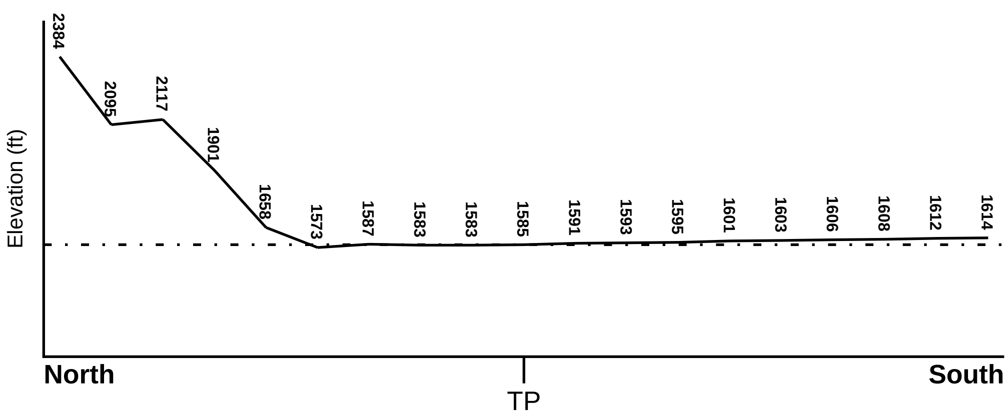
TOPOGRAPHIC INFORMATION

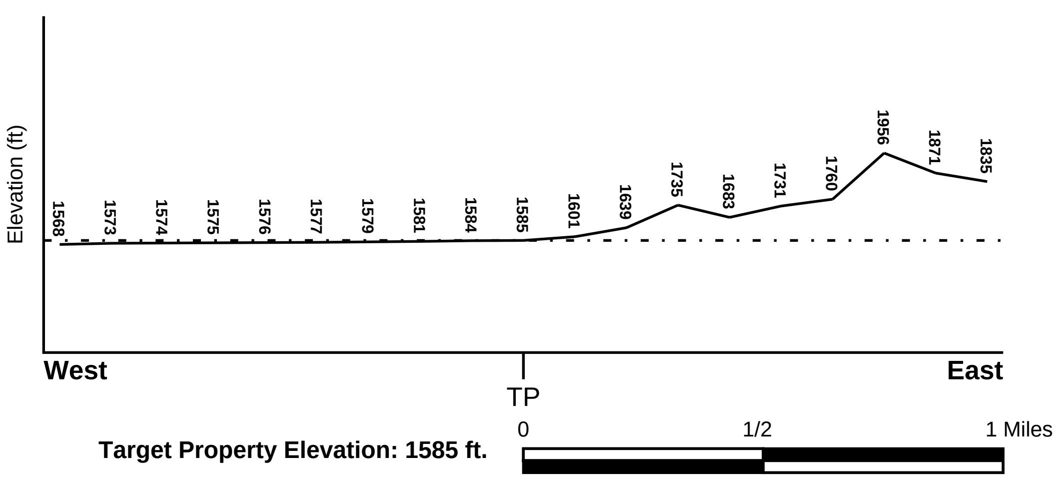
Surface topography may be indicative of the direction of surficial groundwater flow. This information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

TARGET PROPERTY TOPOGRAPHY

General Topographic Gradient: General West

SURROUNDING TOPOGRAPHY: ELEVATION PROFILES





Target Property Elevation: 1585 ft.

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
RIVERSIDE, CA	YES - refer to the Overview Map and Detail Map

Flood Plain Panel at Target Property: 0650560005D

Additional Panels in search area: 0602451490C
0602451495B

NATIONAL WETLAND INVENTORY

NWI Quad at Target Property	NWI Electronic Data Coverage
SAN JACINTO	Not Available

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.

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:	Tertiary
Series:	Pliocene
Code:	Tpc *(decoded above as Era, System & Series)*

GEOLOGIC AGE IDENTIFICATION

Category: Continental Deposits

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:	SAN EMIGDIO
Soil Surface Texture:	fine sandy 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:	Well drained. Soils have intermediate water holding capacity. Depth to water table is more than 6 feet.

Hydric Status: Soil does not meet the requirements for a hydric soil.

Corrosion Potential - Uncoated Steel:	HIGH
Depth to Bedrock Min:	> 60 inches
Depth to Bedrock Max:	> 60 inches

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	8 inches	fine sandy loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 6.00 Min: 2.00	Max: 8.40 Min: 7.90
2	8 inches	40 inches	fine sandy loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 6.00 Min: 2.00	Max: 8.40 Min: 7.90
3	40 inches	60 inches	stratified	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 6.00 Min: 2.00	Max: 8.40 Min: 7.90

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: loamy sand
loam
loamy fine sand
sandy loam
silt loam

Surficial Soil Types: loamy sand
loam
loamy fine sand
sandy loam
silt loam

Shallow Soil Types: silty clay loam

Deeper Soil Types: loam
silty clay loam

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.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

WELL SEARCH DISTANCE INFORMATION

DATABASE	SEARCH DISTANCE (miles)
Federal USGS	1.000
Federal FRDS PWS	Nearest PWS within 1 mile
State Database	1.000

FEDERAL USGS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
A2	USGS3104117	1/4 - 1/2 Mile NW
3	USGS3104098	1/4 - 1/2 Mile South
5	USGS3104112	1/2 - 1 Mile West
7	USGS3104081	1/2 - 1 Mile SSE
9	USGS3104085	1/2 - 1 Mile SW
10	USGS3104133	1/2 - 1 Mile WNW
11	USGS3104094	1/2 - 1 Mile WSW
12	USGS3104080	1/2 - 1 Mile SSW

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

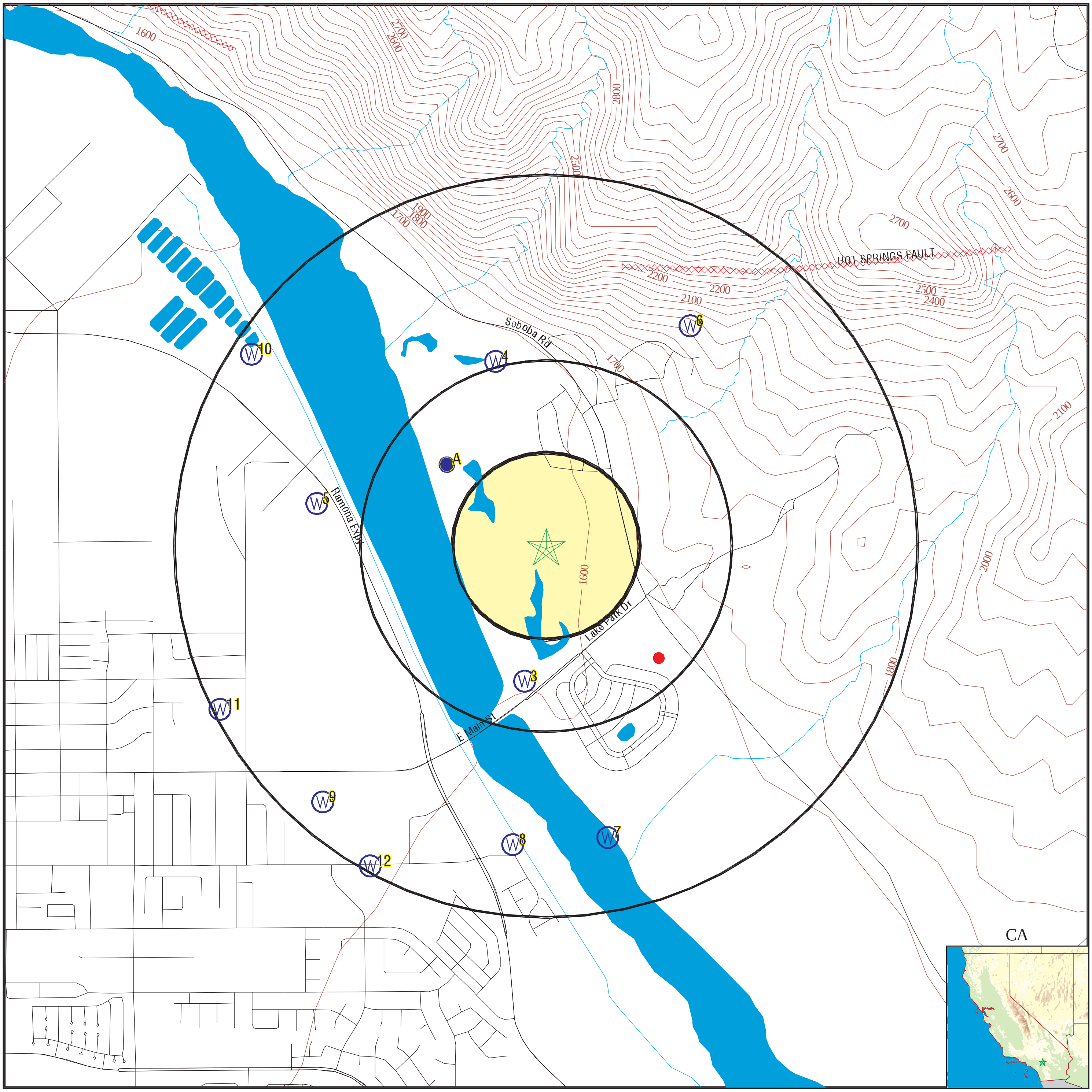
MAP ID	WELL ID	LOCATION FROM TP
A1	4762	1/4 - 1/2 Mile NW
4	4739	1/2 - 1 Mile NNW
6	4740	1/2 - 1 Mile NNE
8	4784	1/2 - 1 Mile South

OTHER STATE DATABASE INFORMATION

STATE OIL/GAS WELL INFORMATION

DISTANCE FROM TP (Miles)	DISTANCE FROM TP (Miles)
1/4 - 1/2 Mile SE	

PHYSICAL SETTING SOURCE MAP - 1992608.2s



- County Boundary
- Major Roads
- Contour Lines
- Earthquake Fault Lines
- Earthquake epicenter, Richter 5 or greater
- Water Wells
- Public Water Supply Wells
- Cluster of Multiple Icons

0 1/4 1/2 1 Miles

- Groundwater Flow Direction
- Indeterminate Groundwater Flow at Location
- Groundwater Flow Varies at Location
- Closest Hydrogeological Data
- Oil, gas or related wells

SITE NAME:	Soboba Horseshoe Grande	CLIENT:	Entrix, Inc.
ADDRESS:	1020 Soboba Rd	CONTACT:	Matt Loxterman
	San Jacinto CA 92583	INQUIRY #:	1992608.2s
LAT/LONG:	33.7928 / 116.9318	DATE:	July 31, 2007 1:45 pm

Map ID Direction Distance Elevation	Database	EDR ID Number
A1 **NW** **1/4 - 1/2 Mile** **Lower**	**CA WELLS**	**4762**

Water System Information:

Prime Station Code:	04S/01W-25G01 S	User ID:	WAT
FRDS Number:	3310009005	County:	Riverside
District Number:	14	Station Type:	WELL/AMBNT
Water Type:	Well/Groundwater	Well Status:	Inactive Raw
Source Lat/Long:	334745.0 1165608.0	Precision:	100 Feet (one Second)
Source Name:	WELL 0041 SOBOBA - INACTIVE		
System Number:	3310009		
System Name:	Eastern Municipal WD		
Organization That Operates System:			
	P.O. Box 8300 San Jacinto, CA 92381-1300		
Pop Served:	253705	Connections:	84839
Area Served:	HEMET-SAN JACINTO-SUN CITY		
Sample Collected:	01/29/1985 00:00:00	Findings:	F 1 UG/L
Chemical:	PROPAMIDE		
Sample Collected:	01/29/1985 00:00:00	Findings:	F 5 UG/L
Chemical:	METHIDATHION		
Sample Collected:	01/29/1985 00:00:00	Findings:	F 5 UG/L
Chemical:	ACIFLURFEN		
Sample Collected:	01/29/1985 00:00:00	Findings:	F 1 UG/L
Chemical:	FLUCHLORALIN		
Sample Collected:	04/17/1985 00:00:00	Findings:	F 1 UG/L
Chemical:	KEROSENE		

A2 **NW** **1/4 - 1/2 Mile** **Lower**	**FED USGS**	**USGS3104117**

Agency cd:	USGS	Site no:	334746116560801
Site name:	004S001W25G001S		
Latitude:	334746		
Longitude:	1165608	Dec lat:	33.79613026
Dec lon:	-116.93641226	Coor meth:	M
Coor accr:	S	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	06
State:	06	County:	065
Country:	US	Land net:	Not Reported
Location map:	SAN JACINTO	Map scale:	24000
Altitude:	Not Reported		
Altitude method:	Not Reported		
Altitude accuracy:	Not Reported		
Altitude datum:	Not Reported		
Hydrologic:	San Jacinto. California. Area = 757 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	Not Reported
Date inventoried:	Not Reported	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:	620	Hole depth:	620
Source of depth data:	Not Reported		
Project number:	9479335800		
Real time data flag:	Not Reported	Daily flow data begin date:	Not Reported
Daily flow data end date:	Not Reported	Daily flow data count:	Not Reported
Peak flow data begin date:	Not Reported	Peak flow data end date:	Not Reported
Peak flow data count:	Not Reported	Water quality data begin date:	Not Reported
Water quality data end date:	Not Reported	Water quality data count:	Not Reported
Ground water data begin date:	Not Reported	Ground water data end date:	Not Reported
Ground water data count:	Not Reported		

Ground-water levels, Number of Measurements: 0

3
South
1/4 - 1/2 Mile
Higher

FED USGS USGS3104098

Agency cd:	USGS	Site no:	334715116555501
Site name:	004S001W36A001S		
Latitude:	334715		
Longitude:	1165555	Dec lat:	33.78751935
Dec lon:	-116.93280101	Coor meth:	M
Coor accr:	S	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	06
State:	06	County:	065
Country:	US	Land net:	Not Reported
Location map:	SAN JACINTO	Map scale:	24000
Altitude:	Not Reported		
Altitude method:	Not Reported		
Altitude accuracy:	Not Reported		
Altitude datum:	Not Reported		
Hydrologic:	San Jacinto. California. Area = 757 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	Not Reported
Date inventoried:	Not Reported	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:	840	Hole depth:	840
Source of depth data:	Not Reported		
Project number:	9479335800		
Real time data flag:	Not Reported	Daily flow data begin date:	Not Reported
Daily flow data end date:	Not Reported	Daily flow data count:	Not Reported
Peak flow data begin date:	Not Reported	Peak flow data end date:	Not Reported
Peak flow data count:	Not Reported	Water quality data begin date:	Not Reported
Water quality data end date:	Not Reported	Water quality data count:	Not Reported
Ground water data begin date:	Not Reported	Ground water data end date:	Not Reported
Ground water data count:	Not Reported		

Ground-water levels, Number of Measurements: 0

Map ID Direction Distance Elevation	Database	EDR ID Number
4 **NNW** **1/2 - 1 Mile** **Lower**	**CA WELLS**	**4739**

Water System Information:

Prime Station Code:	04S/01E-30D01 S	User ID:	WAT
FRDS Number:	3310009003	County:	Riverside
District Number:	14	Station Type:	SPRING/AMBNT/MUN/INTAKE/SUPPLY
Water Type:	Well/Groundwater	Well Status:	Inactive Raw
Source Lat/Long:	334800.0 1165600.0	Precision:	Undefined
Source Name:	SOBOBA SPRING - INACTIVE		
System Number:	3310009		
System Name:	Eastern Municipal WD		
Organization That Operates System:			
	P.O. Box 8300 San Jacinto, CA 92381-1300		
Pop Served:	253705	Connections:	84839
Area Served:	HEMET-SAN JACINTO-SUN CITY		

	Database	EDR ID Number
5 **West** **1/2 - 1 Mile** **Lower**	**FED USGS**	**USGS3104112**

Agency cd:	USGS	Site no:	334740116563001
Site name:	004S001W25M001S		
Latitude:	334740		
Longitude:	1165630	Dec lat:	33.79446364
Dec lon:	-116.94252353	Coor meth:	M
Coor accr:	S	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	06
State:	06	County:	065
Country:	US	Land net:	Not Reported
Location map:	SAN JACINTO	Map scale:	24000
Altitude:	Not Reported		
Altitude method:	Not Reported		
Altitude accuracy:	Not Reported		
Altitude datum:	Not Reported		
Hydrologic:	San Jacinto. California. Area = 757 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	Not Reported
Date inventoried:	Not Reported	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:	518	Hole depth:	518
Source of depth data:	Not Reported		
Project number:	9479335800		
Real time data flag:	Not Reported	Daily flow data begin date:	Not Reported
Daily flow data end date:	Not Reported	Daily flow data count:	Not Reported
Peak flow data begin date:	Not Reported	Peak flow data end date:	Not Reported
Peak flow data count:	Not Reported	Water quality data begin date:	Not Reported
Water quality data end date:	Not Reported	Water quality data count:	Not Reported
Ground water data begin date:	Not Reported	Ground water data end date:	Not Reported
Ground water data count:	Not Reported		

Ground-water levels, Number of Measurements: 0

Map ID Direction Distance Elevation	Database	EDR ID Number
6 **NNE** **1/2 - 1 Mile** **Higher**	**CA WELLS**	**4740**

Water System Information:

Prime Station Code:	04S/01E-30DS1 S	User ID:	WAT
FRDS Number:	3310009004	County:	Riverside
District Number:	14	Station Type:	WELL/AMBNT
Water Type:	Well/Groundwater	Well Status:	Abandoned
Source Lat/Long:	334805.0 1165527.0	Precision:	100 Feet (one Second)
Source Name:	SOBOBA SPRING IRRIGATION - ABANDONED		
System Number:	3310009		
System Name:	Eastern Municipal WD		
Organization That Operates System:			
	P.O. Box 8300 San Jacinto, CA 92381-1300		
Pop Served:	253705	Connections:	84839
Area Served:	HEMET-SAN JACINTO-SUN CITY		

Map ID Direction Distance Elevation	Database	EDR ID Number
7 **SSE** **1/2 - 1 Mile** **Higher**	**FED USGS**	**USGS3104081**

Agency cd:	USGS	Site no:	334653116554101
Site name:	004S001W36G001S		
Latitude:	334653		
Longitude:	1165541	Dec lat:	33.78140838
Dec lon:	-116.92891199	Coor meth:	M
Coor accr:	S	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	06
State:	06	County:	065
Country:	US	Land net:	Not Reported
Location map:	SAN JACINTO	Map scale:	24000
Altitude:	Not Reported		
Altitude method:	Not Reported		
Altitude accuracy:	Not Reported		
Altitude datum:	Not Reported		
Hydrologic:	San Jacinto. California. Area = 757 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	Not Reported
Date inventoried:	Not Reported	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:	1076	Hole depth:	1076
Source of depth data:	Not Reported		
Project number:	9479335800		
Real time data flag:	Not Reported	Daily flow data begin date:	Not Reported
Daily flow data end date:	Not Reported	Daily flow data count:	Not Reported
Peak flow data begin date:	Not Reported	Peak flow data end date:	Not Reported
Peak flow data count:	Not Reported	Water quality data begin date:	Not Reported
Water quality data end date:	Not Reported	Water quality data count:	Not Reported
Ground water data begin date:	Not Reported	Ground water data end date:	Not Reported
Ground water data count:	Not Reported		

Ground-water levels, Number of Measurements: 0

Map ID Direction Distance Elevation	Database	EDR ID Number
8 South 1/2 - 1 Mile Higher	**CA WELLS**	**4784**

Water System Information:

Prime Station Code:	04S/01W-36G01 S	User ID:	WAT
FRDS Number:	3310009019	County:	Riverside
District Number:	14	Station Type:	WELL/AMBNT
Water Type:	Well/Groundwater	Well Status:	Active Raw
Source Lat/Long:	334652.0 1165557.0	Precision:	100 Feet (one Second)
Source Name:	WELL 2412 MOUNTAIN AVE		
System Number:	3310009		
System Name:	Eastern Municipal WD		
Organization That Operates System:			
	P.O. Box 8300 San Jacinto, CA 92381-1300		
Pop Served:	253705	Connections:	84839
Area Served:	HEMET-SAN JACINTO-SUN CITY		
Sample Collected:	02/14/1991 00:00:00	Findings:	2 PCI/L
Chemical:	GROSS BETA COUNTING ERROR		
Sample Collected:	02/14/1991 00:00:00	Findings:	400 PCI/L
Chemical:	TRITIUM COUNTING ERROR		
Sample Collected:	02/14/1991 00:00:00	Findings:	1 PCI/L
Chemical:	STRONTIUM-90 COUNTING ERROR		
Sample Collected:	02/14/1991 00:00:00	Findings:	4 PCI/L
Chemical:	URANIUM (PCI/L)		
Sample Collected:	08/15/1991 00:00:00	Findings:	370 US
Chemical:	SPECIFIC CONDUCTANCE		
Sample Collected:	08/15/1991 00:00:00	Findings:	7.7
Chemical:	PH, LABORATORY		
Sample Collected:	08/15/1991 00:00:00	Findings:	125 MG/L
Chemical:	ALKALINITY (TOTAL) AS CACO3		
Sample Collected:	08/15/1991 00:00:00	Findings:	153 MG/L
Chemical:	BICARBONATE ALKALINITY		
Sample Collected:	08/15/1991 00:00:00	Findings:	146 MG/L
Chemical:	HARDNESS (TOTAL) AS CACO3		
Sample Collected:	08/15/1991 00:00:00	Findings:	50 MG/L
Chemical:	CALCIUM		
Sample Collected:	08/15/1991 00:00:00	Findings:	5 MG/L
Chemical:	MAGNESIUM		
Sample Collected:	08/15/1991 00:00:00	Findings:	20 MG/L
Chemical:	SODIUM		
Sample Collected:	08/15/1991 00:00:00	Findings:	3 MG/L
Chemical:	POTASSIUM		

Sample Collected:	08/15/1991 00:00:00	Findings:	8 MG/L
Chemical:	CHLORIDE		
Sample Collected:	08/15/1991 00:00:00	Findings:	1 PCI/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	08/15/1991 00:00:00	Findings:	2 PCI/L
Chemical:	URANIUM (PCI/L)		
Sample Collected:	12/06/1993 00:00:00	Findings:	11 MG/L
Chemical:	CHLORIDE		
Sample Collected:	12/06/1993 00:00:00	Findings:	.2 MG/L
Chemical:	FLUORIDE (F) (NATURAL-SOURCE)		
Sample Collected:	12/06/1993 00:00:00	Findings:	30 UG/L
Chemical:	MANGANESE		
Sample Collected:	12/06/1993 00:00:00	Findings:	250 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	10/03/1994 00:00:00	Findings:	4.9 UG/L
Chemical:	BROMODICHLORMETHANE (THM)		
Sample Collected:	10/03/1994 00:00:00	Findings:	3.3 UG/L
Chemical:	DIBROMOCHLOROMETHANE (THM)		
Sample Collected:	08/15/1991 00:00:00	Findings:	.2 MG/L
Chemical:	FLUORIDE (F) (NATURAL-SOURCE)		
Sample Collected:	08/15/1991 00:00:00	Findings:	60 UG/L
Chemical:	MANGANESE		
Sample Collected:	08/15/1991 00:00:00	Findings:	.08 MG/L
Chemical:	FOAMING AGENTS (MBAS)		
Sample Collected:	08/15/1991 00:00:00	Findings:	230 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	08/26/1987 00:00:00	Findings:	425 US
Chemical:	SPECIFIC CONDUCTANCE		
Sample Collected:	08/26/1987 00:00:00	Findings:	7.3
Chemical:	PH, LABORATORY		
Sample Collected:	08/26/1987 00:00:00	Findings:	138 MG/L
Chemical:	ALKALINITY (TOTAL) AS CACO3		
Sample Collected:	08/26/1987 00:00:00	Findings:	169 MG/L
Chemical:	BICARBONATE ALKALINITY		
Sample Collected:	08/26/1987 00:00:00	Findings:	148 MG/L
Chemical:	HARDNESS (TOTAL) AS CACO3		
Sample Collected:	08/26/1987 00:00:00	Findings:	62 MG/L
Chemical:	CALCIUM		
Sample Collected:	08/26/1987 00:00:00	Findings:	4.6 MG/L
Chemical:	MAGNESIUM		
Sample Collected:	08/26/1987 00:00:00	Findings:	21 MG/L
Chemical:	SODIUM		
Sample Collected:	08/26/1987 00:00:00	Findings:	3.6 MG/L
Chemical:	POTASSIUM		

Sample Collected: 08/26/1987 00:00:00 Findings: 19 MG/L
Chemical: CHLORIDE

Sample Collected: 08/26/1987 00:00:00 Findings: .37 MG/L
Chemical: FLUORIDE (F) (NATURAL-SOURCE)

Sample Collected: 08/26/1987 00:00:00 Findings: 245 MG/L
Chemical: TOTAL DISSOLVED SOLIDS

Sample Collected: 08/26/1987 00:00:00 Findings: 3.5 MG/L
Chemical: NITRATE (AS NO3)

Sample Collected: 02/14/1991 00:00:00 Findings: 4 PCI/L
Chemical: GROSS ALPHA

Sample Collected: 02/14/1991 00:00:00 Findings: 2 PCI/L
Chemical: GROSS ALPHA COUNTING ERROR

Sample Collected: 02/14/1991 00:00:00 Findings: 5 PCI/L
Chemical: GROSS BETA

Sample Collected: 11/19/1991 00:00:00 Findings: 4.5 PCI/L
Chemical: GROSS ALPHA

Sample Collected: 11/19/1991 00:00:00 Findings: 1 PCI/L
Chemical: GROSS ALPHA COUNTING ERROR

Sample Collected: 11/19/1991 00:00:00 Findings: 5 PCI/L
Chemical: URANIUM (PCI/L)

Sample Collected: 02/18/1992 00:00:00 Findings: 390 US
Chemical: SPECIFIC CONDUCTANCE

Sample Collected: 02/18/1992 00:00:00 Findings: 7.5
Chemical: PH, LABORATORY

Sample Collected: 02/18/1992 00:00:00 Findings: 140 MG/L
Chemical: ALKALINITY (TOTAL) AS CACO3

Sample Collected: 02/18/1992 00:00:00 Findings: 171 MG/L
Chemical: BICARBONATE ALKALINITY

Sample Collected: 02/18/1992 00:00:00 Findings: 150 MG/L
Chemical: HARDNESS (TOTAL) AS CACO3

Sample Collected: 02/18/1992 00:00:00 Findings: 50 MG/L
Chemical: CALCIUM

Sample Collected: 02/18/1992 00:00:00 Findings: 6 MG/L
Chemical: MAGNESIUM

Sample Collected: 02/18/1992 00:00:00 Findings: 19 MG/L
Chemical: SODIUM

Sample Collected: 02/18/1992 00:00:00 Findings: 4 MG/L
Chemical: POTASSIUM

Sample Collected: 02/18/1992 00:00:00 Findings: 9 MG/L
Chemical: CHLORIDE

Sample Collected: 02/18/1992 00:00:00 Findings: .3 MG/L
Chemical: FLUORIDE (F) (NATURAL-SOURCE)

Sample Collected: 02/18/1992 00:00:00 Findings: 230 UG/L
Chemical: IRON

Sample Collected:	02/18/1992 00:00:00	Findings:	90 UG/L
Chemical:	MANGANESE		
Sample Collected:	02/18/1992 00:00:00	Findings:	230 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	05/19/1992 00:00:00	Findings:	400 US
Chemical:	SPECIFIC CONDUCTANCE		
Sample Collected:	05/19/1992 00:00:00	Findings:	7.4
Chemical:	PH, LABORATORY		
Sample Collected:	05/19/1992 00:00:00	Findings:	138 MG/L
Chemical:	ALKALINITY (TOTAL) AS CACO3		
Sample Collected:	05/19/1992 00:00:00	Findings:	168 MG/L
Chemical:	BICARBONATE ALKALINITY		
Sample Collected:	05/19/1992 00:00:00	Findings:	163 MG/L
Chemical:	HARDNESS (TOTAL) AS CACO3		
Sample Collected:	05/19/1992 00:00:00	Findings:	55 MG/L
Chemical:	CALCIUM		
Sample Collected:	05/19/1992 00:00:00	Findings:	6 MG/L
Chemical:	MAGNESIUM		
Sample Collected:	05/19/1992 00:00:00	Findings:	21 MG/L
Chemical:	SODIUM		
Sample Collected:	05/19/1992 00:00:00	Findings:	4 MG/L
Chemical:	POTASSIUM		
Sample Collected:	05/19/1992 00:00:00	Findings:	9 MG/L
Chemical:	CHLORIDE		
Sample Collected:	05/19/1992 00:00:00	Findings:	.2 MG/L
Chemical:	FLUORIDE (F) (NATURAL-SOURCE)		
Sample Collected:	05/19/1992 00:00:00	Findings:	390 UG/L
Chemical:	IRON		
Sample Collected:	05/19/1992 00:00:00	Findings:	100 UG/L
Chemical:	MANGANESE		
Sample Collected:	05/19/1992 00:00:00	Findings:	100 UG/L
Chemical:	ALUMINUM		
Sample Collected:	05/19/1992 00:00:00	Findings:	245 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	11/19/1991 00:00:00	Findings:	390 US
Chemical:	SPECIFIC CONDUCTANCE		
Sample Collected:	11/19/1991 00:00:00	Findings:	7.5
Chemical:	PH, LABORATORY		
Sample Collected:	11/19/1991 00:00:00	Findings:	145 MG/L
Chemical:	ALKALINITY (TOTAL) AS CACO3		
Sample Collected:	11/19/1991 00:00:00	Findings:	177 MG/L
Chemical:	BICARBONATE ALKALINITY		
Sample Collected:	11/19/1991 00:00:00	Findings:	155 MG/L
Chemical:	HARDNESS (TOTAL) AS CACO3		

Sample Collected: Chemical:	11/19/1991 00:00:00 CALCIUM	Findings:	52 MG/L
Sample Collected: Chemical:	11/19/1991 00:00:00 MAGNESIUM	Findings:	6 MG/L
Sample Collected: Chemical:	11/19/1991 00:00:00 SODIUM	Findings:	18 MG/L
Sample Collected: Chemical:	11/19/1991 00:00:00 POTASSIUM	Findings:	4 MG/L
Sample Collected: Chemical:	11/19/1991 00:00:00 CHLORIDE	Findings:	9 MG/L
Sample Collected: Chemical:	11/19/1991 00:00:00 FLUORIDE (F) (NATURAL-SOURCE)	Findings:	.2 MG/L
Sample Collected: Chemical:	11/19/1991 00:00:00 BARIUM	Findings:	200 UG/L
Sample Collected: Chemical:	11/19/1991 00:00:00 COPPER	Findings:	60 UG/L
Sample Collected: Chemical:	11/19/1991 00:00:00 IRON	Findings:	8000 UG/L
Sample Collected: Chemical:	11/19/1991 00:00:00 LEAD	Findings:	9 UG/L
Sample Collected: Chemical:	11/19/1991 00:00:00 MANGANESE	Findings:	200 UG/L
Sample Collected: Chemical:	11/19/1991 00:00:00 ALUMINUM	Findings:	5400 UG/L
Sample Collected: Chemical:	11/19/1991 00:00:00 TOTAL DISSOLVED SOLIDS	Findings:	250 MG/L
Sample Collected: Chemical:	10/03/1994 00:00:00 CHLOROFORM (THM)	Findings:	5.9 UG/L
Sample Collected: Chemical:	10/03/1994 00:00:00 TOTAL TRIHALOMETHANES	Findings:	14 UG/L
Sample Collected: Chemical:	01/09/1995 00:00:00 SPECIFIC CONDUCTANCE	Findings:	440 US
Sample Collected: Chemical:	01/09/1995 00:00:00 PH, LABORATORY	Findings:	7.8
Sample Collected: Chemical:	01/09/1995 00:00:00 ALKALINITY (TOTAL) AS CACO3	Findings:	143 MG/L
Sample Collected: Chemical:	01/09/1995 00:00:00 BICARBONATE ALKALINITY	Findings:	174 MG/L
Sample Collected: Chemical:	01/09/1995 00:00:00 HARDNESS (TOTAL) AS CACO3	Findings:	168 MG/L
Sample Collected: Chemical:	01/09/1995 00:00:00 CALCIUM	Findings:	57 MG/L
Sample Collected: Chemical:	01/09/1995 00:00:00 MAGNESIUM	Findings:	6 MG/L

Sample Collected:	01/09/1995 00:00:00	Findings:	21 MG/L
Chemical:	SODIUM		
Sample Collected:	01/09/1995 00:00:00	Findings:	3 MG/L
Chemical:	POTASSIUM		
Sample Collected:	01/09/1995 00:00:00	Findings:	14 MG/L
Chemical:	CHLORIDE		
Sample Collected:	01/09/1995 00:00:00	Findings:	.2 MG/L
Chemical:	FLUORIDE (F) (NATURAL-SOURCE)		
Sample Collected:	01/09/1995 00:00:00	Findings:	40 UG/L
Chemical:	MANGANESE		
Sample Collected:	01/09/1995 00:00:00	Findings:	284 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	01/09/1995 00:00:00	Findings:	.2 NTU
Chemical:	TURBIDITY, LABORATORY		
Sample Collected:	05/03/1995 00:00:00	Findings:	2 PCI/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	08/08/1995 00:00:00	Findings:	1 PCI/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	01/24/1996 00:00:00	Findings:	2 PCI/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	08/05/1997 00:00:00	Findings:	3 UNITS
Chemical:	COLOR		
Sample Collected:	08/05/1997 00:00:00	Findings:	450 US
Chemical:	SPECIFIC CONDUCTANCE		
Sample Collected:	08/05/1997 00:00:00	Findings:	7.6
Chemical:	PH, LABORATORY		
Sample Collected:	08/05/1997 00:00:00	Findings:	150 MG/L
Chemical:	ALKALINITY (TOTAL) AS CACO3		
Sample Collected:	08/05/1997 00:00:00	Findings:	180 MG/L
Chemical:	BICARBONATE ALKALINITY		
Sample Collected:	08/05/1997 00:00:00	Findings:	180 MG/L
Chemical:	HARDNESS (TOTAL) AS CACO3		
Sample Collected:	08/05/1997 00:00:00	Findings:	61 MG/L
Chemical:	CALCIUM		
Sample Collected:	08/05/1997 00:00:00	Findings:	6 MG/L
Chemical:	MAGNESIUM		
Sample Collected:	08/05/1997 00:00:00	Findings:	22 MG/L
Chemical:	SODIUM		
Sample Collected:	08/05/1997 00:00:00	Findings:	3 MG/L
Chemical:	POTASSIUM		
Sample Collected:	08/05/1997 00:00:00	Findings:	13 MG/L
Chemical:	CHLORIDE		
Sample Collected:	08/05/1997 00:00:00	Findings:	.2 MG/L
Chemical:	FLUORIDE (F) (NATURAL-SOURCE)		

Sample Collected:	08/05/1997 00:00:00	Findings:	28 MG/L
Chemical:	SILICA		
Sample Collected:	08/05/1997 00:00:00	Findings:	87 UG/L
Chemical:	COPPER		
Sample Collected:	08/05/1997 00:00:00	Findings:	140 UG/L
Chemical:	IRON		
Sample Collected:	08/05/1997 00:00:00	Findings:	14 UG/L
Chemical:	LEAD		
Sample Collected:	08/05/1997 00:00:00	Findings:	43 UG/L
Chemical:	MANGANESE		
Sample Collected:	12/06/1993 00:00:00	Findings:	450 US
Chemical:	SPECIFIC CONDUCTANCE		
Sample Collected:	12/06/1993 00:00:00	Findings:	8
Chemical:	PH, LABORATORY		
Sample Collected:	12/06/1993 00:00:00	Findings:	138 MG/L
Chemical:	ALKALINITY (TOTAL) AS CACO3		
Sample Collected:	12/06/1993 00:00:00	Findings:	168 MG/L
Chemical:	BICARBONATE ALKALINITY		
Sample Collected:	12/06/1993 00:00:00	Findings:	151 MG/L
Chemical:	HARDNESS (TOTAL) AS CACO3		
Sample Collected:	12/06/1993 00:00:00	Findings:	52 MG/L
Chemical:	CALCIUM		
Sample Collected:	12/06/1993 00:00:00	Findings:	5 MG/L
Chemical:	MAGNESIUM		
Sample Collected:	12/06/1993 00:00:00	Findings:	20 MG/L
Chemical:	SODIUM		
Sample Collected:	12/06/1993 00:00:00	Findings:	3 MG/L
Chemical:	POTASSIUM		
Sample Collected:	08/05/1997 00:00:00	Findings:	300 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	08/05/1997 00:00:00	Findings:	1.6 NTU
Chemical:	TURBIDITY, LABORATORY		

9
SW
1/2 - 1 Mile
Higher

FED USGS **USGS3104085**

Agency cd:	USGS	Site no:	334658116562901
Site name:	004S001W36E002S		
Latitude:	334658		
Longitude:	1165629	Dec lat:	33.78279725
Dec lon:	-116.94224568	Coor meth:	M
Coor accr:	S	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	06
State:	06	County:	065
Country:	US	Land net:	Not Reported
Location map:	SAN JACINTO	Map scale:	24000

Altitude:	Not Reported		
Altitude method:	Not Reported		
Altitude accuracy:	Not Reported		
Altitude datum:	Not Reported		
Hydrologic:	San Jacinto. California. Area = 757 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	Not Reported
Date inventoried:	Not Reported	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:	Not Reported	Hole depth:	Not Reported
Source of depth data:	Not Reported		
Project number:	9479335800		
Real time data flag:	Not Reported	Daily flow data begin date:	Not Reported
Daily flow data end date:	Not Reported	Daily flow data count:	Not Reported
Peak flow data begin date:	Not Reported	Peak flow data end date:	Not Reported
Peak flow data count:	Not Reported	Water quality data begin date:	Not Reported
Water quality data end date:	Not Reported	Water quality data count:	Not Reported
Ground water data begin date:	Not Reported	Ground water data end date:	Not Reported
Ground water data count:	Not Reported		

Ground-water levels, Number of Measurements: 0

10
WNW
1/2 - 1 Mile
Lower

FED USGS USGS3104133

Agency cd:	USGS	Site no:	334801116564101
Site name:	004S001W25D002S		
Latitude:	334801		
Longitude:	1165641	Dec lat:	33.80029684
Dec lon:	-116.9455792	Coor meth:	M
Coor accr:	S	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	06
State:	06	County:	065
Country:	US	Land net:	Not Reported
Location map:	SAN JACINTO	Map scale:	24000
Altitude:	Not Reported		
Altitude method:	Not Reported		
Altitude accuracy:	Not Reported		
Altitude datum:	Not Reported		
Hydrologic:	San Jacinto. California. Area = 757 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	Not Reported
Date inventoried:	Not Reported	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:	830	Hole depth:	830
Source of depth data:	Not Reported		
Project number:	9479335800		
Real time data flag:	Not Reported	Daily flow data begin date:	Not Reported
Daily flow data end date:	Not Reported	Daily flow data count:	Not Reported
Peak flow data begin date:	Not Reported	Peak flow data end date:	Not Reported

Peak flow data count:	Not Reported	Water quality data begin date:	Not Reported
Water quality data end date:	Not Reported	Water quality data count:	Not Reported
Ground water data begin date:	Not Reported	Ground water data end date:	Not Reported
Ground water data count:	Not Reported		

Ground-water levels, Number of Measurements: 0

11
WSW
1/2 - 1 Mile
Lower

FED USGS **USGS3104094**

Agency cd:	USGS	Site no:	334711116564901
Site name:	004S001W35A007S		
Latitude:	334711.1		
Longitude:	1165649.4	Dec lat:	33.78641667
Dec lon:	-116.94705556	Coor meth:	G
Coor accr:	5	Latlong datum:	NAD83
Dec latlong datum:	NAD83	District:	06
State:	06	County:	065
Country:	US	Land net:	Not Reported
Location map:	SAN JACINTO	Map scale:	24000
Altitude:	1587		
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:	19890425
Date inventoried:	20010125	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:	1320	Hole depth:	1620
Source of depth data:	owner		
Project number:	470652422		
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:	2001-02-16
Water quality data end date:	2001-02-16	Water quality data count:	1
Ground water data begin date:	2001-02-09	Ground water data end date:	2001-02-09
Ground water data count:	1		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
2001-02-09	312	

12
SSW
1/2 - 1 Mile
Higher

FED USGS **USGS3104080**

Agency cd:	USGS	Site no:	334649116562101
Site name:	004S001W36L003S		
Latitude:	334649		
Longitude:	1165621	Dec lat:	33.7802973
Dec lon:	-116.94002339	Coor meth:	M
Coor accr:	S	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	06
State:	06	County:	065
Country:	US	Land net:	Not Reported
Location map:	SAN JACINTO	Map scale:	24000
Altitude:	Not Reported		
Altitude method:	Not Reported		
Altitude accuracy:	Not Reported		
Altitude datum:	Not Reported		
Hydrologic:	San Jacinto. California. Area = 757 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	Not Reported
Date inventoried:	Not Reported	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:	897	Hole depth:	897
Source of depth data:	Not Reported		
Project number:	9479335800		
Real time data flag:	Not Reported	Daily flow data begin date:	Not Reported
Daily flow data end date:	Not Reported	Daily flow data count:	Not Reported
Peak flow data begin date:	Not Reported	Peak flow data end date:	Not Reported
Peak flow data count:	Not Reported	Water quality data begin date:	Not Reported
Water quality data end date:	Not Reported	Water quality data count:	Not Reported
Ground water data begin date:	Not Reported	Ground water data end date:	Not Reported
Ground water data count:	Not Reported		

Ground-water levels, Number of Measurements: 0

Direction Distance	Database	EDR ID Number
SE **1/4 - 1/2 Mile**	**OIL_GAS**	**CA10011595**

Apinumber:	06500150	Operator:	Wonder Oil Co.
Lease:	Stroh	Well no:	1
Field:	RIVERSIDE COUNTY	Cagaso m3 area:	Not Reported
Map:	W1-7	Status cod:	006
Source:	hud		
Latitude:	33.788405		
Longitude:	-116.92567		
Td:	2800	Sec:	30
Twn:	4S	Rge:	1E
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spuddate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	1

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS
RADON

AREA RADON INFORMATION

Federal EPA Radon Zone for RIVERSIDE 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 RIVERSIDE COUNTY, CA

Number of sites tested: 12

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	0.117 pCi/L	100%	0%	0%
Living Area - 2nd Floor	0.450 pCi/L	100%	0%	0%
Basement	1.700 pCi/L	100%	0%	0%

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.

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.

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.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

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

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.

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.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

STREET AND ADDRESS INFORMATION

APPENDIX C
SUPPORT DOCUMENTS

LIBBY ENVIRONMENTAL CHEMISTRY LABORATORY

SOBOHA-GOLF COURSE PROJECT
San Jacinto, California
Entrix, Inc.
Client Project #4111901
Libby Project No.L06116-01

Analyses of Diesel & Oil Range Hydrocarbons (EPA Method 8015) in Soil

Sample Number	Date Analyzed	Surrogate Recovery (%)	Diesel (mg/kg)	Mineral Oil (mg/kg)	Oil (mg/kg)
Method Blank	11/17/2006	105	nd	nd	nd
CS1	11/17/2006	108	nd	nd	nd
CS2	11/17/2006	106	nd	nd	nd
CS3	11/17/2006	103	nd	nd	nd
CS3 Dup	11/17/2006	103	nd	nd	nd
Practical Quantitation Limit			25	40	40

"nd" Indicates not detected at the listed detection limits.
"int" Indicates that interference prevents determination.

ACCEPTABLE RECOVERY LIMITS FOR SURROGATE (2-F Biphenyl): 65% TO 135%

ANALYSES PERFORMED BY: Sherry Chilcutt

The EDR Aerial Photo Decade Package

Soboba Horseshoe Grande
1020 Soboba Rd
San Jacinto, CA 92583

Inquiry Number: 1992608.4

July 31, 2007

EDR® Environmental Data Resources Inc

The Standard in Environmental Risk Information

440 Wheelers Farms Road
Milford, Connecticut 06461

Nationwide Customer Service

Telephone:	1-800-352-0050
Fax:	1-800-231-6802
Internet:	www.edrnet.com

EDR Aerial Photo Decade Package

Environmental Data Resources, Inc. (EDR) Aerial Photo Decade Package is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDRs professional researchers provide digitally reproduced historical aerial photographs, and when available, provide one photo per decade.

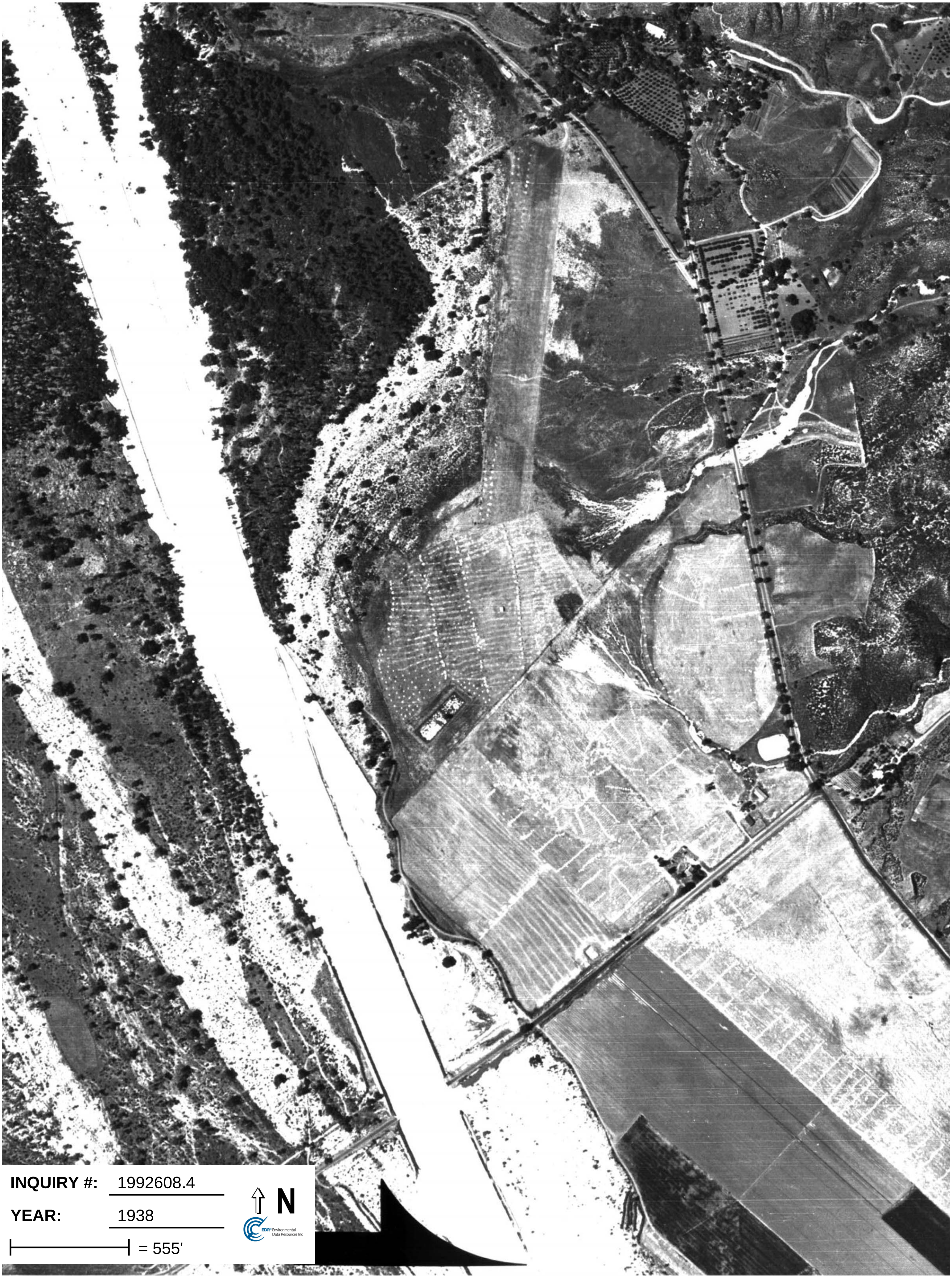
When delivered electronically by EDR, the aerial photo images included with this report are for ONE TIME USE ONLY. Further reproduction of these aerial photo images is prohibited without permission from EDR. For more information contact your EDR Account Executive.

Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

Date EDR Searched Historical Sources:
Aerial Photography July 31, 2007

Target Property:
1020 Soboba Rd
San Jacinto, CA 92583

Year	***Scale***	***Details***	***Source***
1938	Aerial Photograph. Scale: 1"=555'	Flight Year: 1938	Laval
1953	Aerial Photograph. Scale: 1"=555'	Flight Year: 1953	Pacific Air
1967	Aerial Photograph. Scale: 1"=555'	Flight Year: 1967	Western
1980	Aerial Photograph. Scale: 1"=600'	Flight Year: 1980	AMI
1989	Aerial Photograph. Scale: 1"=666'	Flight Year: 1989	USGS
1996	Aerial Photograph. Scale: 1"=666'	Flight Year: 1996	USGS
2002	Aerial Photograph. Scale: 1"=666'	Flight Year: 2002	USGS


INQUIRY #: 1992608.4
YEAR: 1938
= 555'
N
EDR Environmental Data Resources Inc

INQUIRY #: 1992608.4

YEAR: 1953

= 555'

N

EDR Environmental Data Resources Inc

INQUIRY #: 1992608.4

YEAR: 1967

= 555'

N

EDR Environmental Data Resources Inc

INQUIRY #: 1992608.4

YEAR: 1980

= 600'

N

EDR Environmental Data Resources Inc


INQUIRY #: 1992608.4
YEAR: 1989
= 666'
N


INQUIRY #: 1992608.4
YEAR: 1996
= 666'
N
EDR Environmental Data Resources Inc

INQUIRY #: 1992608.4

YEAR: 2002

= 666'

N

EDR Environmental Data Resources Inc

Certified Sanborn® Map Report

Sanborn® Library search results
Certification # 547A-4BFE-8E6A

Soboba Horseshoe Grande
1020 Soboba Rd
San Jacinto, CA 92583

Inquiry Number 1992608.3

July 31, 2007

EDR® Environmental Data Resources Inc

The Standard in Environmental Risk Information

440 Wheelers Farms Rd
Milford, Connecticut 06461

Nationwide Customer Service

Telephone: 1-800-352-0050
Fax: 1-800-231-6802
Internet: www.edrnet.com

Certified Sanborn® Map Report

7/31/07

Site Name:
Soboba Horseshoe Grande
1020 Soboba Rd
San Jacinto, CA 92583

EDR Inquiry # 1992608.3

Client Name:
Entrix, Inc.
148 NW Rogers Street
Olympia, WA 98502

Contact: Matt Loxterman

EDR® Environmental Data Resources Inc

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Certified Sanborn Results:

Site Name:	Soboba Horseshoe Grande
Address:	1020 Soboba Rd
City, State, Zip:	San Jacinto, CA 92583
Cross Street:	
P.O. #	4111901
Project:	Horseshoe Grand
Certification #	547A-4BFE-8E6A

THE SANBORN LIBRARY LLC. Sanborn SEAL OF AUTHORITY™

Sanborn® Library search results
Certification # 547A-4BFE-8E6A

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.

Total Maps: 0

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

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Appendix Y:

Phase II Environmental Site Assessment

PHASE II ENVIRONMENTAL SITE ASSESSMENT INVESTIGATION REPORT

GOLF COURSE MAINTENANCE FACILITY AT THE HORSESHOE GRANDE PROPERTY SAN JACINTO, CA

Lead Agency

U.S. Department of the Interior
Bureau of Indian Affairs
Pacific Region
2800 Cottage Way
Room W-2820
Sacramento, CA 95825-1846

Prepared for:

Soboba Band of Luiseno Indians
San Jacinto, California

Prepared by:

Northwest Economic Associates
A Division of ENTRIX, Inc.
Vancouver, Washington

Project No. 41119010

April 24, 2008

PHASE II ENVIRONMENTAL SITE ASSESSMENT INVESTIGATION REPORT

GOLF COURSE MAINTENANCE FACILITY AT THE HORSESHOE GRANDE FACILITY SAN JACINTO, CA

Lead Agency
U.S. Department of the Interior
Bureau of Indian Affairs
Pacific Region
2800 Cottage Way
Room W-2820
Sacramento, CA 95825-1846

Prepared for:

The Soboba Band of Luiseno Indians
23904 Soboba Road
San Jacinto, California 92581

Prepared by:

Northwest Economic Associates
A Division of ENTRIX, Inc.
12009 NE 99th Street
Suite 1410
Vancouver, WA 98682

Project No. 41119010
April 24, 2008

Page

LIST OF TABLES

LIST OF FIGURES

PHASE II INVESTIGATION REPORT

GOLF COURSE MAINTENANCE FACILITY AT THE HORSESHOE GRANDE FACILITY SAN JACINTO, CA

This report has been prepared by ENTRIX, Inc. (ENTRIX) under the professional supervision of the Principal(s) and/or staff whose signature(s) appear hereon.

The scope of work and specifications are presented in accordance with generally accepted professional geologic practice. There is no other warranty either expressed or implied.

David B. Blankenhorn, P.G. State of California Professional Geologist #7009	Date

1.0 INTRODUCTION

This report discusses the confirmation Phase II investigation activities that were conducted in April 2008 at the Horseshoe Grande Property located in San Jacinto, Riverside County, California (Figure 1). These activities were conducted by ENTRIX, Inc. (ENTRIX) on behalf of The Soboba Band of Luiseno Indians to further investigate three Recognized Environmental Conditions (RECs) that were identified in a Phase I Environmental Site Assessment (ESA) prepared by ENTRIX in August 2007. The specific areas that were addressed in this Phase II investigation consisted of the following:

- The drainage infrastructure (identified as REC-1 in the Phase I ESA) associated with a chemical storage shed that was used to store pesticides, herbicides, and other lawn care products;

- A wash area located on a concrete pad at the southwest corner of the maintenance shop (identified as REC-2 in the Phase I ESA) and associated drainage infrastructure; and,

- A wash area located to the south of the maintenance facility in a grass and exposed soil area (identified as REC-3 in the Phase I ESA).

The scope of work for this investigation involved conducting further inspection of the specified RECs, installing 11 soil borings adjacent to these RECs, and collecting 14 soil samples that were submitted for chemical analysis.

The remainder of this report is organized as follows:

- Section 2.0 provides a description of the Phase I ESA findings with respect to the areas investigated during the Phase II activities;
- Section 3.0 discusses the methods used in the investigation;
- Section 4.0 presents the results of the investigation; and,
- Section 5.0 provides a summary of findings and recommendations.

The following information summarizes the Phase I ESA findings with respect to the areas investigated during the Phase II activities.

2.1 CHEMICAL STORAGE SHED (REC-1)

The chemical storage shed is located adjacent in the southeast corner of the maintenance facility. The shed is used for storage of pesticides, herbicides, and other lawn care products. The shed has a concrete floor with a catch basin that discharges to the septic system at the facility. During the site visit that was conducted as part of the Phase I ESA, a spill was observed on the floor of the storage shed and within the catch basin. The product that was spilled appeared to be Turf Mark®, which is a non-toxic liquid dye that is used as a spray indicator for golf course landscaping activities. At the time of the site visit, It was not known whether the spill included any additional chemicals or whether the spilled material discharged to the septic system and associated drainage infrastructure. This area was recommended for additional investigation due to the potential impacts associated with the discharge of chemicals to the subsurface through the septic system and associated drainage infrastructure.

2.2 PRIMARY WASH AREA (REC-2)

This area consists of a concrete pad located at the southwest corner of the maintenance shop and is used as the primary wash area at the facility. The concrete pad is fractured and includes a drain which is situated within the center of the pad. The drain discharges to a pit that is lined with plastic and underlain by pea gravel. This area was recommended for additional investigation due to the potential impacts associated with the discharge of chemicals to the subsurface through fractures in the concrete pad and the drainage infrastructure.

2.3 SECONDARY WASH AREA (REC-3)

This unpaved 20' x 20' area is used as a secondary wash area and is located to the south of the maintenance facility. The ground surface consists of grass and exposed soil and, during the site visit that was conducted as part of the Phase I ESA, petroleum hydrocarbon staining was observed on the ground surface. This area was recommended for additional investigation due to the observed petroleum hydrocarbon staining and potential for subsurface impacts by other chemicals such as pesticides and herbicides.

This section presents the methods that were used during implementation of the Phase II investigation activities.

3.1 PERSONNEL AND PROCEDURES

All environmental work was performed by a qualified ENTRIX field geologist working under the supervision of a State of California Professional Geologist. This person supervised the field activities, collected soil samples, coordinated delivery of the samples to a certified analytical laboratory, and oversaw all phases of the work including managing subcontractors, maintaining soil boring logs, data analysis, and report preparation. All field procedures (e.g., permitting, sampling protocol, chain-of-custody, preparation of a Health and Safety Plan, etc.) followed Riverside County and State of California guidelines at the time the work was performed.

3.2 SITE SAFETY

A site safety plan was developed in conformance with the Occupational Safety and Health Administration (OSHA) guidelines set forth in "Hazardous Waste Operations and Emergency Response" (29 CFR 1910.120). The document was reviewed and signed by all ENTRIX personnel and subcontractors performing work on the site. A copy was present on-site at all times and kept in an easily accessed location.

3.3 UTILITY CLEARANCE

Utility clearance was obtained at the subject site prior to commencing the soil boring installation. A private utility locator, Spectrum Geophysics, was used to identify subsurface utilities present in the vicinity of the proposed soil boring locations to ensure that no underground piping or other infrastructure obstructed the soil boring locations. In addition, Underground Services Alert was notified 48 hours prior to the start of work activities (Ticket No. A80870947).

3.4 SOIL BORING INSTALLATION PROCEDURES

The Phase II investigation activities were conducted on April 8, 2008. The soil borings were installed using a truck-mounted hydraulic-hammer rig. The soil borings were advanced to total depths ranging between 4 and 12 feet bgs and continuous soil cores were collected from the boring by advancing a 1.5-inch outside diameter core barrel into the subsurface soil. Soil samples were collected into acetate sample liners which were placed within the core barrel. Collected soil samples were field screened using visual and olfactory observations and a portable photoionization detector (PID).

An ENTRIX geologist described the soil cores according to the Unified Soil Classification System (USCS) as described in the American Society of Testing and

Materials (ASTM) Standard D 2488-90 and a continuous log of the soil encountered was maintained for each boring. The soil boring logs are provided in Appendix A.

All drilling and sampling equipment was properly decontaminated between each sampling effort and following completion of each soil boring to reduce the potential for cross-contamination between sample locations and introduction of potential contaminants between boreholes. Before, during, and following drilling operations, drilling equipment was thoroughly cleaned using a high pressure hot water (steam) washer. Sampling equipment and any tools, measuring devices, or other equipment which contacted soil, groundwater, or any media being assessed was washed in a low-phosphate soap and water solution, and rinsed in clean water before each use.

Upon completion of drilling and sample collection, the borings were abandoned by filling with hydrated bentonite and the surface was completed to match existing grade.

3.5 Soil Sample Selection and Analytical Program

Fourteen soil samples were collected and submitted for laboratory analysis during the soil boring installation. Soil samples were assigned a unique identification with labels showing project number, boring number, and depth interval denoted either by depth or a sequential numbering system. Samples were transferred to the analytical laboratory under chain-of-custody (COC) control. The COC included the sample identification, location, date and time of sampling, number and type of containers, and a list of analyses to be performed. Samples were packed in ice chests containing sealed wet ice contained in double-bagged sealable plastic bags.

All of the soil samples were analyzed for volatile organic compounds (VOCs) by EPA Method 8260B, total petroleum hydrocarbons (TPH) with carbon chain quantification (C6 through C44) by EPA Method 8015M, organochlorine pesticides by EPA Method 8081A, herbicides by EPA Method 8151A, and CAM Metals (plus mercury) by EPA Method 6010B/7000, with the exception of B8-3.5’-4’ and B9-3.5’-4’ which were analyzed for TPH only. The soil samples were analyzed by American Analytics, a State of California certified-laboratory, located in Chatsworth, California.

The following presents the results of the Phase II investigation activities. The results are organized according the three specific areas of investigation. A summary of the soil analytical results is presented in Table 1 and a copy of the laboratory analytical report is provided in Appendix B.

4.1 CHEMICAL STORAGE SHED (REC-1)

The Phase II investigation activities in this area consisted of a visual inspection of the catchbasin and drainage infrastructure, the installation of 3 soil borings, and the collection of 3 soil samples for chemical analysis. In regards to the visual inspection, the catchbasin appeared to be in good condition and no fractures were observed. The catchbasin discharge is conveyed through a PVC pipe which extends from the catch basin to the east to a subsurface, concrete septic tank (6 feet by 12 feet by 6 feet deep) approximately located outside of the shed. The septic was inspected through an access port and appeared to be in good condition.

Three soil borings were installed adjacent to the septic tank to the north, south, and east (B1 through B3, respectively). The borings were installed to total depths of 10.5 feet bgs and soil samples were collected for analysis at a depth of 6-6.5 feet bgs at each location. During the installation, no visual or olfactory evidence of impacts were observed in any of the borings and no volatile organic compounds were detected by the PID. The soil sample results indicate no detectable concentrations of VOCs, TPH, organochlorine pesticides, or herbicides in any of the samples.

In regards to metals, only the detected concentration of arsenic in sample B1-6’-6.5’ (0.80 mg/kg) exceeds the U.S. Environmental Protection Agency (EPA) Region IX Preliminary Remediation Goal (PRG) of 0.39 mg/kg for residential land use. However, the detected concentration in this sample is within the range of background levels for arsenic in California soils (0.59 to 11 mg/kg as indicated in Bradford, et. al., 1996) and is below the USEPA Region IX Soil Screening Level (SSL) of 29 mg/kg for migration to groundwater.

4.2 PRIMARY WASH AREA (REC-2)

The Phase II investigation activities in this area consisted of a visual inspection of the wash area and drainage infrastructure, the installation of 4 soil borings, and the collection of 7 soil samples for chemical analysis. In regards to the visual inspection, fractures were observed in the concrete wash pad. Drainage from the wash pad discharges to a plastic-lined pit underlain with pea gravel that is located to the west of the pad. The pit is connected to the wash pad drain by a PVC pipe that extends approximately 20 feet to the west and then transitions to the south for approximately 5 feet where it discharges into the pit. During the site inspection, another potential drainfield was observed to the west of the transition point in the discharge pipe.

The soil borings (B8 through B11) were advanced adjacent to the wash pad, wash pad drain, and the discharge pit. Soil borings B8 and B9 were installed approximately 3 feet southeast and 3 feet southwest, respectively, of the drain in the center of the concrete pad in areas where fractures were present. These borings were installed to total depths of 4 feet bgs and 2 soil samples analyzed from each of these borings. Soil boring B10 was advanced approximately 4 feet to the southwest of the discharge pit, and soil boring B11 was installed directly west of the concrete wash pad adjacent to the drainage pipe. Soil borings B10 and B11 were both advanced to a total depth of 12 feet bgs. One soil sample from B10 and two soil samples from B11 were submitted for chemical analysis. During the installation of borings B8 though B11, no visual or olfactory evidence of impacts were observed in any of the borings and no volatile organic compounds were detected by the PID.

The soil analytical results indicate no detectable concentrations of VOCs, TPH, organochlorine pesticides, or herbicides in soil samples B8-3.5'-4', B9-3.5'-4', B11-3.5-4', or B11-7.5'-8'. However, selected compounds were detected in the following samples:

- B8-0'-0.5' – TPH (C6-C44) was detected at a concentration of 1,100 mg/kg;
- B9-0'-0.5' – TPH (C6-C44) was detected at a concentration of 460 mg/kg; and,
- B10-7.5'-8' – Tetracholoethylene (PCE) was detected at a concentration of 0.0053 mg/kg.

The detections of TPH are in the mid- to heavy distillate carbon change range (C12-C44). The extent of impacts at soil borings B8 and B9 is limited as indicated by the results from the deeper samples which were collected at 3.5 to 4 feet bgs in these borings. The analytical results for the deeper samples indicated non-detectable levels (<10 mg/kg) of TPH. The detected concentration of PCE in B10-7.5'-8' is below the USEPA Region IX PRG of 0.48 mg/kg for residential land use.

In regards to metals, only the detected concentrations of arsenic in samples B8-0'-0.5' (5.5 mg/kg) and B9-0'-0.5' (2.8 mg/kg) exceed the USEPA Region IX PRG of 0.39 mg/kg for residential land use. However, the detected concentrations are within the range of background levels for arsenic in California soils (0.59 to 11 mg/kg as indicated in Bradford, et. al., 1996) and are below the USEPA Region IX Soil Screening Level (SSL) of 29 mg/kg for migration to groundwater.

4.3 SECONDARY WASH AREA (REC-3)

The Phase II investigation activities in this area consisted of the installation of 4 soil borings and the collection of 4 soil samples for chemical analysis. The soil borings (B4 through B7) were advanced in the vicinity of the two water sources used in this wash area. The soil borings were advanced to a total depth of 4 feet bgs and, during installation, no visual or olfactory evidence of impacts were observed in any of the borings and no volatile organic compounds were detected by the PID.

Soil samples were collected for chemical analysis from a depth of 0.0 to 0.5 feet bgs at each soil boring. The soil sample results indicate no detectable concentrations of VOCs, TPH, organochlorine pesticides, or herbicides in any of the samples.

In regards to metals, only the detected concentrations of arsenic in samples B4-0'-0.5' (0.85 mg/kg) and B6-0'-0.5' (2.4 mg/kg) exceed the USEPA Region IX PRG of 0.39 mg/kg for residential land use. However, the detected concentrations are within the range of background levels for arsenic in California soils (0.59 to 11 mg/kg as indicated in Bradford, et. al., 1996) and are below the USEPA Region IX Soil Screening Level (SSL) of 29 mg/kg for migration to groundwater.

The following summarizes the findings of the Phase II investigation activities conducted on April 8, 2008 at the Horseshoe Grande Property located in San Jacinto, Riverside County, California.

5.1 SUMMARY OF FINDINGS

- The Phase II investigation activities were conducted in three areas that were identified as RECs in a Phase I ESA prepared by ENTRIX in August 2007. These areas consisted of the following:
  - The drainage infrastructure (identified as REC-1 in the Phase I ESA) associated with a chemical storage shed that was used to store pesticides, herbicides, and other lawn care products;
  - A wash area located on a concrete pad at the southwest corner of the maintenance shop (identified as REC-2 in the Phase I ESA) and associated drainage infrastructure; and,
  - A wash area located to the south of the maintenance facility in a grass and exposed soil area (identified as REC-3in the Phase I ESA).
- The scope of work for this investigation involved the installation of 11 soil borings adjacent to the identified RECs and the collection of 14 soil samples that were submitted for chemical analysis. All of the soil samples were analyzed for volatile organic compounds (VOCs) by EPA Method 8260B, total petroleum hydrocarbons (TPH) with carbon chain quantification (C6 through C44) by EPA Method 8015M, organochlorine pesticides by EPA Method 8081A, herbicides by EPA Method 8151A, and CAM Metals (plus mercury) by EPA Method 6010B/7000, with the exception of B8-3.5'-4' and B9-3.5'-4' which were analyzed for TPH only.
- During the installation of the soil borings, no visual or olfactory evidence of impacts were observed in any of the borings and no volatile organic compounds were detected by the PID.
- The soil analytical results indicate no detectable concentrations of VOCs, TPH, organochlorine pesticides, or herbicides in any of the soil samples except for the following:
  - B8-0'-0.5' – TPH (C6-C44) was detected at a concentration of 1,100 mg/kg. The detected concentration of TPH are in the mid- to heavy distillate carbon change range (C12-C44). The extent of impacts at soil

borings B8 is limited as indicated by the results from the deeper sample that was collected at 3.5 to 4 feet bgs. The analytical results for the deeper sample indicated non-detectable levels (<10 mg/kg) of TPH.

  - B9-0'-0.5' – TPH (C6-C44) was detected at a concentration of 460 mg/kg. The detected concentration of TPH are in the mid- to heavy distillate carbon change range (C12-C44). The extent of impacts at soil borings B9 is limited as indicated by the results from the deeper sample that was collected at 3.5 to 4 feet bgs. The analytical results for the deeper sample indicated non-detectable levels (<10 mg/kg) of TPH.

  - B10-7.5'-8' – Tetracholoethylene (PCE) was detected at a concentration of 0.0053 mg/kg which is below the USEPA Region IX PRG of 0.48 mg/kg for residential land use.

- In regard to metals, only the detected concentrations of arsenic in five of the soil samples exceed the USEPA Region IX PRG of 0.39 mg/kg for residential land use. However, the detected concentrations are within the range of background levels for arsenic in California soils (0.59 to 11 mg/kg as indicated in Bradford, et. al., 1996) and are below the USEPA Region IX Soil Screening Level (SSL) of 29 mg/kg for migration to groundwater.

5.2 RECOMMENDATIONS

Based on the results of the Phase II investigation, no further site assessment or remediation activities appear warranted.

TABLES

TABLE 1
Analytical Data Summary for Soil Samples
Soboba Band of Luiseno Indians
Golf Course Maintenance Facility at the Horseshoe Grande Facility - San Jacinto, CA

Soil Sample ID	Date Collected	Sample Depth (feet bgs)	PCE (mg/kg)	All Other VOCs (mg/kg)	TPH[a] (mg/kg)	Arsenic (mg/kg)	Barium (mg/kg)	Chromium (mg/kg)	Cobalt (mg/kg)	Copper (mg/kg)	Lead (mg/kg)	Nickel (mg/kg)	Vanadium (mg/kg)	Zinc (mg/kg)	All Other Metals (mg/kg)	Pesticides (mg/kg)	Herbicides (mg/kg)
B1-6'-6.5'	***4/8/2008***	***6'-6.5'***	< 0.005	Below Appropriate Detection Limits	< 10	**0.80**	160	5.2	4.6	3.3	3	< 3.0	20	42	Below Appropriate Detection Limits	Below Appropriate Detection Limits	Below Appropriate Detection Limits
B2-6'-6.5'	***4/8/2008***	***6'-6.5'***	< 0.005	Below Appropriate Detection Limits	< 10	< 0.50	98	< 3.0	3.2	< 3.0	< 3.0	< 3.0	15	27	Below Appropriate Detection Limits	Below Appropriate Detection Limits	Below Appropriate Detection Limits
B3-6'-6.5'	***4/8/2008***	***6'-6.5'***	< 0.005	Below Appropriate Detection Limits	< 10	< 0.50	220	8.7	6.0	6.1	3.9	3.9	30	48	Below Appropriate Detection Limits	Below Appropriate Detection Limits	Below Appropriate Detection Limits
B4-0'-0.5'	***4/8/2008***	***0'-0.5'***	< 0.005	Below Appropriate Detection Limits	< 10	**0.85**	160	6.5	5.8	5.5	4.2	< 3.0	25	53	Below Appropriate Detection Limits	Below Appropriate Detection Limits	Below Appropriate Detection Limits
B5-0'-0.5'	***4/8/2008***	***0'-0.5'***	< 0.005	Below Appropriate Detection Limits	< 10	< 0.50	130	5.5	4.4	5.6	9.2	< 3.0	21	46	Below Appropriate Detection Limits	Below Appropriate Detection Limits	Below Appropriate Detection Limits
B6-0'-0.5'	***4/8/2008***	***0'-0.5'***	< 0.005	Below Appropriate Detection Limits	< 10	**2.4**	110	13	4.9	7.5	5.2	5.8	31	46	Below Appropriate Detection Limits	Below Appropriate Detection Limits	Below Appropriate Detection Limits
B7-0'-0.5'	***4/8/2008***	***0'-0.5'***	< 0.005	Below Appropriate Detection Limits	< 10	< 0.50	110	5.0	4.3	< 3.0	< 3.0	< 3.0	18	36	Below Appropriate Detection Limits	Below Appropriate Detection Limits	Below Appropriate Detection Limits
B8-0'-0.5'	***4/8/2008***	***0'-0.5'***	< 0.005	Below Appropriate Detection Limits	1,100	**5.5**	42	9.2	3.3	33	5.9	7.9	17	40	Below Appropriate Detection Limits	Below Appropriate Detection Limits	Below Appropriate Detection Limits
B8-3.5'-4'	***4/8/2008***	***3.5'-4'***	NS	Below Appropriate Detection Limits	< 10	NA	NA	NA	NA	NA	NA	NA	NA	NA	Below Appropriate Detection Limits	Below Appropriate Detection Limits	Below Appropriate Detection Limits
B9-0'-0.5'	***4/8/2008***	***0'-0.5'***	< 0.005	Below Appropriate Detection Limits	460	**2.8**	63	8.5	3.6	35	18	5.0	22	41	Below Appropriate Detection Limits	Below Appropriate Detection Limits	Below Appropriate Detection Limits
B9-3.5'-4'	***4/8/2008***	***3.5'-4'***	NA	Below Appropriate Detection Limits	< 10	NA	NA	NA	NA	NA	NA	NA	NA	NA	Below Appropriate Detection Limits	Below Appropriate Detection Limits	Below Appropriate Detection Limits
B10-7.5'-8'	***4/8/2008***	***7.5'-8'***	0.0053	Below Appropriate Detection Limits	< 10	< 0.50	130	6.1	4.7	5.0	< 3.0	< 3.0	20	41	Below Appropriate Detection Limits	Below Appropriate Detection Limits	Below Appropriate Detection Limits
B11-3.5'-4'	***4/8/2008***	***3.5'-4'***	< 0.005	Below Appropriate Detection Limits	< 10	< 0.50	140	5.6	5.9	< 3.0	< 3.0	< 3.0	23	52	Below Appropriate Detection Limits	Below Appropriate Detection Limits	Below Appropriate Detection Limits
B11-7.5'-8'	***4/8/2008***	***7.5'-8'***	< 0.005	Below Appropriate Detection Limits	< 10	< 0.50	120	7.0	4.7	3.0	< 3.0	< 3.0	22	41	Below Appropriate Detection Limits	Below Appropriate Detection Limits	Below Appropriate Detection Limits
USEPA Region 9 Preliminary Remediation Goals for Residential Land Use			0.48	Varies by Compound	Not Established	0.39[c]	540	210	900	3,100	400	1,600	78	23,000	Varies by Compound	Varies by Compound	Varies by Compound
USEPA Region 9 Migration to Groundwater Soil Screening Level[b]			0.06	Varies by Compound	Not Established	29	1,600	38	NA	NA	NA	130	6,000	12,000	Varies by Compound	Varies by Compound	Varies by Compound

NOTES:

NA = Not Analyzed

< indicates compound was not detected above the indicated method reporting limit.

PRG = Preliminary Remediation Goals

SSL = Soil Screening Level

mg/Kg = milligrams per kilogram

[a] Total petroleum hydrocarbons carbon chain quantification

[b] SSL indicated calculated using dilution attenuation factor (DAF) of 20 (default value)

[c] CA background levels for arsenic are 0.59 - 11 mg/Kg

Boldface font indicates site-related concentrations that exceed the Residential Soil PRGs.

FIGURES

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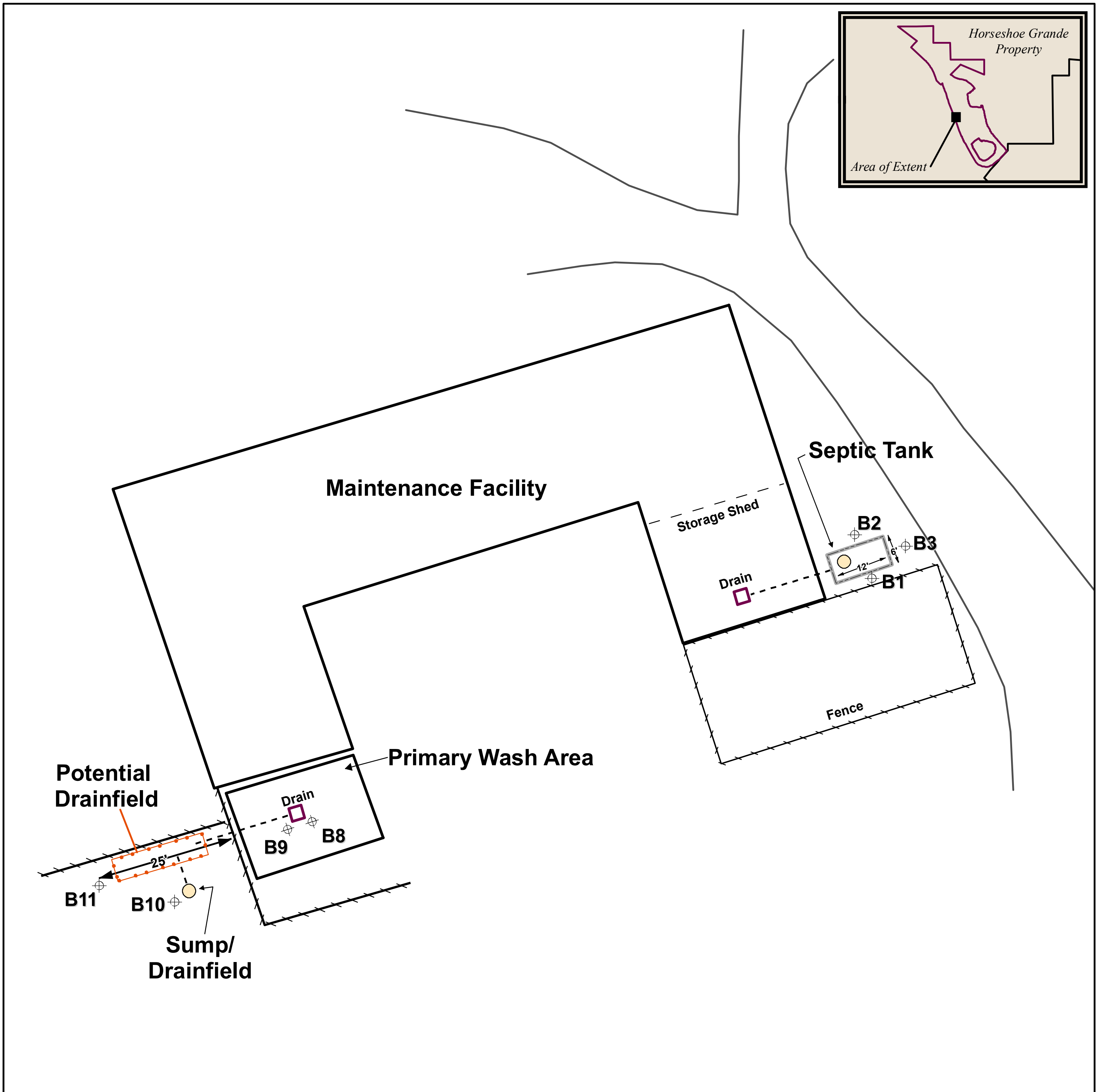
APRIL 2008 - D R A F T

Figure 1: Soboba Band of Luiseño Indians Maintenance Facility RECs

 Source of Aerial Imagery: Digital Globe, Inc. September 2007



Notes:
B11 is 25' W of fence (as shown)
B10 is 4' SW of Sump
B9 and B8 are 3' from edge of drain

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0 5 10 20 30 40 50
Feet

Figure 2: Soboba Band of Luiseño Indians
Maintenance Facility REC 1 & REC 2
Soil Boring Locations

 Source of Aerial Imagery: Digital Globe, Inc. September 2007

APPENDIX A

SOIL BORING LOGS

ENTRIX

Soboba Band of Luiseno Indians - Maintenance Facility

SOIL BORING LOG

ENTRIX FIELD PERSONNEL: Ryan Shatt, L.G.
FIELD MONITORING DEVICE: PID MiniRae 2000
SUBCONTRACTOR & EQUIPMENT: Strongarm Environmental - Truck Mounted Direct Push Rig
BOREHOLE DIAMETER: 2-inch
SURFACE ELEVATION: NA
WEATHER CONDITIONS: Sunny, warm
DATE OF FIELDWORK: 4/8/2008

B1

LAT/LONG

GROUNDWATER LEVEL AT THE TIME OF DRILLING	SAMPLE DEPTH	DEPTH BELOW SURFACE (ft)	LITHOLOGICAL DESCRIPTION	UNIFIED SOIL CLASSIFICATION	FIELD SCREENING PID RESULTS	DEPTH BELOW SURFACE (ft)	NOTES
		1.5				1.5	
		0	0'-10.5': Dry, brown, med-coarse, SAND, trace silt, trace mica.	SM	0.0	0	
					0.0		
		2.5			0.0	2.5	No odors or signs of obvious contamination 0' - 10.5'.
					0.0		
					0.0		
		5			0.0	5	
N/A	Sample Submitted for Analysis				0.0		Bottom of septic tank at 6 ft bgs.
		7.5			0.0	7.5	
					0.0		
					0.0		
	Sampled Interval	10			0.0	10	
			End of Boring at 10.5' bgs				
		12.5				12.5	

SAMPLING KEY

- Sampled Interval
- Sample Submitted for Analysis
- Groundwater Level at the time of Drilling
- SD Sheen Detected

No.	Revision/Issue	Date

ENTRIX
ENVIRONMENTAL CONSULTANTS

200 First Avenue West
Suite 500
Seattle, WA 98119
(206) 269-0104

ENTRIX

SOIL BORING LOG

Soboba Band of Luiseno Indians - Maintenance Facility

ENTRIX FIELD PERSONNEL: Ryan Shatt, L.G.
FIELD MONITORING DEVICE: PID MiniRae 2000
SUBCONTRACTOR & EQUIPMENT: Strongarm Environmental - Truck Mounted Direct Push Rig
BOREHOLE DIAMETER: 2-inch
SURFACE ELEVATION: NA
WEATHER CONDITIONS: Sunny, warm
DATE OF FIELDWORK: 4/8/2008

B2

LAT/LONG

GROUNDWATER LEVEL AT THE TIME OF DRILLING	SAMPLE DEPTH	DEPTH BELOW SURFACE (ft)	LITHOLOGICAL DESCRIPTION	UNIFIED SOIL CLASSIFICATION	FIELD SCREENING PID RESULTS	DEPTH BELOW SURFACE (ft)	NOTES
		1.5				1.5	
		0	0'-4': Dry, brown, med-coarse, SAND, trace silt, trace mica.	SM	0.0	0	
					0.0		
		2.5			0.0	2.5	No odors or signs of obvious contamination 0' - 10.5'.
			4'-8': Dry to moist, brown, SAND and silt, trace mica.		0.0		
					0.0		
		5			0.0	5	
N/A	⧓ (Sample Submitted for Analysis)				0.0		Bottom of septic tank at 6 ft bgs.
		7.5			0.0	7.5	
			8'-10.5': Dry, brown, fine to coarse SAND, trace silt. Contains zones of sandy silt.		0.0		
					0.0		
	⌧ (Sampled Interval)	10			0.0	10	
			End of Boring at 10.5' bgs				
		12.5				12.5	

SAMPLING KEY

- ⌧ Sampled Interval
- ⧓ Sample Submitted for Analysis
- ▽ Groundwater Level at the time of Drilling
- SD Sheen Detected

No.	Revision/Issue	Date

ENTRIX ENVIRONMENTAL CONSULTANTS

200 First Avenue West
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Seattle, WA 98119
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ENTRIX

SOIL BORING LOG

Soboba Band of Luiseno Indians - Maintenance Facility

ENTRIX FIELD PERSONNEL: Ryan Shatt, L.G.
FIELD MONITORING DEVICE: PID MiniRae 2000
SUBCONTRACTOR & EQUIPMENT: Strongarm Environmental - Truck Mounted Direct Push Rig
BOREHOLE DIAMETER: 2-inch
SURFACE ELEVATION: NA
WEATHER CONDITIONS: Sunny, warm
DATE OF FIELDWORK: 4/8/2008

B3

LAT/LONG

GROUNDWATER LEVEL AT THE TIME OF DRILLING	SAMPLE DEPTH	DEPTH BELOW SURFACE (ft)	LITHOLOGICAL DESCRIPTION	UNIFIED SOIL CLASSIFICATION	FIELD SCREENING PID RESULTS	DEPTH BELOW SURFACE (ft)	NOTES
		1.5				1.5	
		0	0'-5.5': Dry, brown, fine to coarse SAND, trace silt, trace mica.	SM	0.0	0	
					0.0		
		2.5			0.0	2.5	No odors or signs of obvious contamination 0' - 10.5'.
					0.0		
					0.0		
		5			0.0	5	
N/A	Sample Submitted for Analysis		5.5'-8': Damp, brown, sandy SILT, trace mica.		0.0		Bottom of septic tank at 6 ft bgs.
		7.5			0.0	7.5	
			8'-10.5': Damp, brown, fine to coarse SAND, trace silt.		0.0		
					0.0		
	Sampled Interval	10			0.0	10	
			End of Boring at 10.5' bgs				
		12.5				12.5	

SAMPLING KEY

Sampled Interval

Sample Submitted for Analysis

Groundwater Level at the time of Drilling

SD Sheen Detected

No.	Revision/Issue	Date

ENTRIX
ENVIRONMENTAL CONSULTANTS

200 First Avenue West
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Seattle, WA 98119
(206) 269-0104

ENTRIX

Soboba Band of Luiseno Indians - Maintenance Facility

SOIL BORING LOG

ENTRIX FIELD PERSONNEL: Ryan Shatt, L.G.
FIELD MONITORING DEVICE: PID MiniRae 2000
SUBCONTRACTOR & EQUIPMENT: Strongarm Environmental - Truck Mounted Direct Push Rig
BOREHOLE DIAMETER: 2-inch
SURFACE ELEVATION: NA
WEATHER CONDITIONS: Sunny, warm
DATE OF FIELDWORK: 4/8/2008

B4

LAT/LONG

GROUNDWATER LEVEL AT THE TIME OF DRILLING	SAMPLE DEPTH	DEPTH BELOW SURFACE (ft)	LITHOLOGICAL DESCRIPTION	UNIFIED SOIL CLASSIFICATION	FIELD SCREENING PID RESULTS	DEPTH BELOW SURFACE (ft)	NOTES
		1.5				1.5	
	Sample Submitted for Analysis	0	0'-4': Damp to moist, brown silty SAND, trace mica.	SM	0.0 0.0 0.0 0.0	0	No odors or signs of obvious contamination 0' - 4'.
		2.5				2.5	
	Sampled Interval						
			End of Boring at 4' bgs				
		5				5	
N/A							
		7.5				7.5	
		10				10	
		12.5				12.5	

SAMPLING KEY

- Sampled Interval
- Sample Submitted for Analysis
- Groundwater Level at the time of Drilling
- SD Sheen Detected

No.	Revision/Issue	Date

ENTRIX
ENVIRONMENTAL CONSULTANTS

200 First Avenue West
Suite 500
Seattle, WA 98119
(206) 269-0104

ENTRIX

SOIL BORING LOG

ENTRIX FIELD PERSONNEL: Ryan Shatt, L.G.
FIELD MONITORING DEVICE: PID MiniRae 2000
SUBCONTRACTOR & EQUIPMENT: Strongarm Environmental - Truck Mounted Direct Push Rig
BOREHOLE DIAMETER: 2-inch
SURFACE ELEVATION: NA
WEATHER CONDITIONS: Sunny, warm
DATE OF FIELDWORK: 4/8/2008

Soboba Band of Luiseno Indians - Maintenance Facility

B5

LAT/LONG

GROUNDWATER LEVEL AT THE TIME OF DRILLING	SAMPLE DEPTH	DEPTH BELOW SURFACE (ft)	LITHOLOGICAL DESCRIPTION	UNIFIED SOIL CLASSIFICATION	FIELD SCREENING PID RESULTS	DEPTH BELOW SURFACE (ft)	NOTES
		1.5				1.5	
		0				0	
	Sample Submitted for Analysis		0'-4': Damp to moist, brown silty SAND, trace mica.	SM	0.0 0.0 0.0 0.0		No odors or signs of obvious contamination 0' - 4'.
		2.5				2.5	
	Sampled Interval						
			End of Boring at 4' bgs				
		5				5	
N/A							
		7.5				7.5	
		10				10	
		12.5				12.5	

SAMPLING KEY

- Sampled Interval
- Sample Submitted for Analysis
- Groundwater Level at the time of Drilling
- SD Sheen Detected

No.	Revision/Issue	Date

ENTRIX
ENVIRONMENTAL CONSULTANTS

200 First Avenue West
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Seattle, WA 98119
(206) 269-0104

SOIL BORING LOG

ENTRIX

Soboba Band of Luiseno Indians - Maintenance Facility

ENTRIX FIELD PERSONNEL: Ryan Shatt, L.G.
FIELD MONITORING DEVICE: PID MiniRae 2000
SUBCONTRACTOR & EQUIPMENT: Strongarm Environmental - Truck Mounted Direct Push Rig
BOREHOLE DIAMETER: 2-inch
SURFACE ELEVATION: NA
WEATHER CONDITIONS: Sunny, warm
DATE OF FIELDWORK: 4/8/2008

B6

LAT/LONG

GROUNDWATER LEVEL AT THE TIME OF DRILLING	SAMPLE DEPTH	DEPTH BELOW SURFACE (ft)	LITHOLOGICAL DESCRIPTION	UNIFIED SOIL CLASSIFICATION	FIELD SCREENING PID RESULTS	DEPTH BELOW SURFACE (ft)	NOTES
		1.5				1.5	
		0				0	
	Sample Submitted for Analysis		0'-2.5': Damp, brown, med. dense, sandy SILT, trace brick and rubble.	SM	0.0		
					0.0		
		2.5	2.5'-4': Damp, lt. brown, loose fine SAND.		0.0	2.5	No odors or signs of obvious contamination 0' - 4'.
	Sampled Interval				0.0		
			End of Boring at 4' bgs				
		5				5	
N/A							
		7.5				7.5	
		10				10	
		12.5				12.5	

SAMPLING KEY

- Sampled Interval
- Sample Submitted for Analysis
- Groundwater Level at the time of Drilling
- SD Sheen Detected

No.	Revision/Issue	Date

ENTRIX ENVIRONMENTAL CONSULTANTS

200 First Avenue West
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ENTRIX

Soboba Band of Luiseno Indians - Maintenance Facility

SOIL BORING LOG

ENTRIX FIELD PERSONNEL: Ryan Shatt, L.G.
FIELD MONITORING DEVICE: PID MiniRae 2000
SUBCONTRACTOR & EQUIPMENT: Strongarm Environmental - Truck Mounted Direct Push Rig
BOREHOLE DIAMETER: 2-inch
SURFACE ELEVATION: NA
WEATHER CONDITIONS: Sunny, warm
DATE OF FIELDWORK: 4/8/2008

B7

LAT/LONG

GROUNDWATER LEVEL AT THE TIME OF DRILLING	SAMPLE DEPTH	DEPTH BELOW SURFACE (ft)	LITHOLOGICAL DESCRIPTION	UNIFIED SOIL CLASSIFICATION	FIELD SCREENING PID RESULTS	DEPTH BELOW SURFACE (ft)	NOTES
		1.5				1.5	
	Sample Submitted for Analysis	0	0'-3': Damp, brown, med. dense, sandy SILT, trace mica.	SM	0.0 0.0 0.0	0	No odors or signs of obvious contamination 0' - 4'.
	Sampled Interval	2.5	3'-4': Damp, lt. brown, loose fine SAND.		0.0	2.5	
			End of Boring at 4' bgs				
N/A		5				5	
		7.5				7.5	
		10				10	
		12.5				12.5	

SAMPLING KEY

- Sampled Interval
- Sample Submitted for Analysis
- Groundwater Level at the time of Drilling
- SD Sheen Detected

No.	Revision/Issue	Date

ENTRIX ENVIRONMENTAL CONSULTANTS

200 First Avenue West
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Seattle, WA 98119
(206) 269-0104

ENTRIX

SOIL BORING LOG

ENTRIX FIELD PERSONNEL: Ryan Shatt, L.G.
FIELD MONITORING DEVICE: PID MiniRae 2000
SUBCONTRACTOR & EQUIPMENT: Strongarm Environmental - Truck Mounted Direct Push Rig
BOREHOLE DIAMETER: 2-inch
SURFACE ELEVATION: NA
WEATHER CONDITIONS: Sunny, warm
DATE OF FIELDWORK: 4/8/2008

Soboba Band of Luiseno Indians - Maintenance Facility

B8

LAT/LONG

GROUNDWATER LEVEL AT THE TIME OF DRILLING	SAMPLE DEPTH	DEPTH BELOW SURFACE (ft)	LITHOLOGICAL DESCRIPTION	UNIFIED SOIL CLASSIFICATION	FIELD SCREENING PID RESULTS	DEPTH BELOW SURFACE (ft)	NOTES
		1.5	4 inches concrete			1.5	
	Sample Submitted for Analysis	0	0'-2': Dry to damp, brown sandy SILT, trace mica.	SM	0.0 0.0	0	No odors or signs of obvious contamination 0' - 4'.
	Sample Submitted for Analysis	2.5	2'-4': Dry, coarse SAND.	SP	0.0 0.0	2.5	
		5	End of Boring at 4' bgs			5	
N/A		7.5				7.5	
		10				10	
		12.5				12.5	

SAMPLING KEY

- Sampled Interval
- Sample Submitted for Analysis
- Groundwater Level at the time of Drilling
- SD Sheen Detected

No.	Revision/Issue	Date

ENTRIX ENVIRONMENTAL CONSULTANTS

200 First Avenue West
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ENTRIX

SOIL BORING LOG

Soboba Band of Luiseno Indians - Maintenance Facility

ENTRIX FIELD PERSONNEL: Ryan Shatt, L.G.
FIELD MONITORING DEVICE: PID MiniRae 2000
SUBCONTRACTOR & EQUIPMENT: Strongarm Environmental - Truck Mounted Direct Push Rig
BOREHOLE DIAMETER: 2-inch
SURFACE ELEVATION: NA
WEATHER CONDITIONS: Sunny, warm
DATE OF FIELDWORK: 4/8/2008

B9
LAT/LONG

GROUNDWATER LEVEL AT THE TIME OF DRILLING	SAMPLE DEPTH	DEPTH BELOW SURFACE (ft)	LITHOLOGICAL DESCRIPTION	UNIFIED SOIL CLASSIFICATION	FIELD SCREENING PID RESULTS	DEPTH BELOW SURFACE (ft)	NOTES
		1.5	4 inches concrete			1.5	
	⧓	0	0'-4': Dry, tan, med. to coarse SAND, trace mica.	SM	0.0 0.0 0.0 0.0	0	No odors or signs of obvious contamination 0' - 4'.
	⧓	2.5				2.5	
		5	End of Boring at 4' bgs			5	
N/A		7.5				7.5	
		10				10	
		12.5				12.5	

SAMPLING KEY

⌧ Sampled Interval

⧓ Sample Submitted for Analysis

▽ Groundwater Level at the time of Drilling

SD Sheen Detected

No.	Revision/Issue	Date

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ENVIRONMENTAL CONSULTANTS

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ENTRIX

Soboba Band of Luiseno Indians - Maintenance Facility

SOIL BORING LOG

ENTRIX FIELD PERSONNEL: Ryan Shatt, L.G.
FIELD MONITORING DEVICE: PID MiniRae 2000
SUBCONTRACTOR & EQUIPMENT: Strongarm Environmental - Truck Mounted Direct Push Rig
BOREHOLE DIAMETER: 2-inch
SURFACE ELEVATION: NA
WEATHER CONDITIONS: Sunny, warm
DATE OF FIELDWORK: 4/8/2008

B10

LAT/LONG

GROUNDWATER LEVEL AT THE TIME OF DRILLING	SAMPLE DEPTH	DEPTH BELOW SURFACE (ft)	LITHOLOGICAL DESCRIPTION	UNIFIED SOIL CLASSIFICATION	FIELD SCREENING PID RESULTS	DEPTH BELOW SURFACE (ft)	NOTES
		1.5				1.5	
		0	0'-3.5': Dry, brown sandy SILT, contains roots.	SM	0.0	0	No odors or signs of obvious contamination 0' - 12'.
					0.0		
		2.5			0.0	2.5	
			3.5'-7.5': Pea gravel	GP	0.0		
					0.0		
		5			0.0	5	Bottom of sump at 4.5 ft bgs.
N/A					0.0		
					0.0		
	Sample Submitted for Analysis	7.5	7.5'-8': Moist, brown silty SAND to med. SAND. 8'-12': Moist to dry med. SAND, trace mica.	SM SP	0.0	7.5	
					0.0		
		10			0.0	10	
	Sampled Interval				0.0		
					0.0		
		12.5	End of Boring at 12' bgs			12.5	

SAMPLING KEY

- Sampled Interval
- Sample Submitted for Analysis
- Groundwater Level at the time of Drilling
- SD Sheen Detected

No.	Revision/Issue	Date

ENTRIX
ENVIRONMENTAL CONSULTANTS

200 First Avenue West
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ENTRIX

SOIL BORING LOG

ENTRIX FIELD PERSONNEL: Ryan Shatt, L.G.
FIELD MONITORING DEVICE: PID MiniRae 2000
SUBCONTRACTOR & EQUIPMENT: Strongarm Environmental - Truck Mounted Direct Push Rig
BOREHOLE DIAMETER: 2-inch
SURFACE ELEVATION: NA
WEATHER CONDITIONS: Sunny, warm
DATE OF FIELDWORK: 4/8/2008

Soboba Band of Luiseno Indians - Maintenance Facility

B11

LAT/LONG

GROUNDWATER LEVEL AT THE TIME OF DRILLING	SAMPLE DEPTH	DEPTH BELOW SURFACE (ft)	LITHOLOGICAL DESCRIPTION	UNIFIED SOIL CLASSIFICATION	FIELD SCREENING PID RESULTS	DEPTH BELOW SURFACE (ft)	NOTES
		1.5				1.5	
		0	0'-2': Damp, med. dense , brown SILT, trace sand.	SM	0.0	0	No odors or signs of obvious contamination 0' - 12'.
					0.0		
		2.5	2'-6.5': damp to dry, med. to coarse SAND, trace mica.	SP	0.0	2.5	
	Sample Submitted for Analysis				0.0		
					0.0		
		5			0.0	5	
N/A					0.0		
			6.5'-8': Dry to damp brown sandy SILT.	SM	0.0		
	Sample Submitted for Analysis	7.5	8'-12': Damp, med. to coarse SAND.	SP	0.0	7.5	
					0.0		
		10			0.0	10	
	Sampled Interval				0.0		
					0.0		
		12.5	End of Boring at 12' bgs			12.5	

SAMPLING KEY

- Sampled Interval
- Sample Submitted for Analysis
- Groundwater Level at the time of Drilling
- SD Sheen Detected

No.	Revision/Issue	Date

ENTRIX
ENVIRONMENTAL CONSULTANTS

200 First Avenue West
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APPENDIX B

LABORATORY ANALYTICAL REPORT

9765 Eton Avenue
Chatsworth
California 91311
Tel: (818) 998-5547
Fax: (818) 998-7258

April 23, 2008

Ryan Shatt

Entrix, Inc.

2140 Eastman Avenue, Suite 200

Ventura, CA 93003

Re : Soboba Phase II, San Jacinto / 41119010

A192266 / 8D08004

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received on 04/08/08 15:33 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 Assurance Program Manual, applicable standard operating procedures, and other related documentation. 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 or require additional information please call me at American Analytics.

Sincerely,

Allen Aminian

QA/QC Manager

LABORATORY ANALYSIS RESULTS

Client: Entrix, Inc.
Project No: 41119010
Project Name: Soboba Phase II, San Jacinto

AA Project No: A192266
Date Received: 04/08/08
Date Reported: 04/23/08

Sample ID	Laboratory ID	Matrix	TAT	Date Sampled	Date Received
8081A OCPs					
B1-6'-6.5'	8D08004-01	Soil	5	04/08/08 08:05	04/08/08 15:33
B2-6'-6.5'	8D08004-03	Soil	5	04/08/08 08:25	04/08/08 15:33
B3-6'-6.5'	8D08004-05	Soil	5	04/08/08 08:45	04/08/08 15:33
B4-0'-0.5'	8D08004-07	Soil	5	04/08/08 09:10	04/08/08 15:33
B5-0'-0.5'	8D08004-09	Soil	5	04/08/08 09:20	04/08/08 15:33
B6-0'-0.5'	8D08004-11	Soil	5	04/08/08 09:25	04/08/08 15:33
B7-0'-0.5'	8D08004-13	Soil	5	04/08/08 09:40	04/08/08 15:33
B8-0'-0.5'	8D08004-15	Soil	5	04/08/08 10:03	04/08/08 15:33
B9-0'-0.5'	8D08004-17	Soil	5	04/08/08 10:15	04/08/08 15:33
B10-7.5'-8'	8D08004-19	Soil	5	04/08/08 10:55	04/08/08 15:33
B11-3.5'-4'	8D08004-21	Soil	5	04/08/08 11:05	04/08/08 15:33
B11-7.5'-8'	8D08004-22	Soil	5	04/08/08 11:10	04/08/08 15:33
8151A Herbicides					
B1-6'-6.5'	8D08004-01	Soil	5	04/08/08 08:05	04/08/08 15:33
B2-6'-6.5'	8D08004-03	Soil	5	04/08/08 08:25	04/08/08 15:33
B3-6'-6.5'	8D08004-05	Soil	5	04/08/08 08:45	04/08/08 15:33
B4-0'-0.5'	8D08004-07	Soil	5	04/08/08 09:10	04/08/08 15:33
B5-0'-0.5'	8D08004-09	Soil	5	04/08/08 09:20	04/08/08 15:33

Allen Aminian
QA/QC Manager

LABORATORY ANALYSIS RESULTS

Client: Entrix, Inc.
Project No: 41119010
Project Name: Soboba Phase II, San Jacinto

AA Project No: A192266
Date Received: 04/08/08
Date Reported: 04/23/08

Sample ID	Laboratory ID	Matrix	TAT	Date Sampled	Date Received
B6-0'-0.5'	8D08004-11	Soil	5	04/08/08 09:25	04/08/08 15:33
B7-0'-0.5'	8D08004-13	Soil	5	04/08/08 09:40	04/08/08 15:33
B8-0'-0.5'	8D08004-15	Soil	5	04/08/08 10:03	04/08/08 15:33
B9-0'-0.5'	8D08004-17	Soil	5	04/08/08 10:15	04/08/08 15:33
B10-7.5'-8'	8D08004-19	Soil	5	04/08/08 10:55	04/08/08 15:33
B11-3.5'-4'	8D08004-21	Soil	5	04/08/08 11:05	04/08/08 15:33
B11-7.5'-8'	8D08004-22	Soil	5	04/08/08 11:10	04/08/08 15:33
8260B					
B1-6'-6.5'	8D08004-01	Soil	5	04/08/08 08:05	04/08/08 15:33
B2-6'-6.5'	8D08004-03	Soil	5	04/08/08 08:25	04/08/08 15:33
B3-6'-6.5'	8D08004-05	Soil	5	04/08/08 08:45	04/08/08 15:33
B4-0'-0.5'	8D08004-07	Soil	5	04/08/08 09:10	04/08/08 15:33
B5-0'-0.5'	8D08004-09	Soil	5	04/08/08 09:20	04/08/08 15:33
B6-0'-0.5'	8D08004-11	Soil	5	04/08/08 09:25	04/08/08 15:33
B7-0'-0.5'	8D08004-13	Soil	5	04/08/08 09:40	04/08/08 15:33
B8-0'-0.5'	8D08004-15	Soil	5	04/08/08 10:03	04/08/08 15:33
B9-0'-0.5'	8D08004-17	Soil	5	04/08/08 10:15	04/08/08 15:33
B10-7.5'-8'	8D08004-19	Soil	5	04/08/08 10:55	04/08/08 15:33
B11-3.5'-4'	8D08004-21	Soil	5	04/08/08 11:05	04/08/08 15:33
B11-7.5'-8'	8D08004-22	Soil	5	04/08/08 11:10	04/08/08 15:33

Allen Aminian
QA/QC Manager

LABORATORY ANALYSIS RESULTS

Client: Entrix, Inc.
Project No: 41119010
Project Name: Soboba Phase II, San Jacinto

AA Project No: A192266
Date Received: 04/08/08
Date Reported: 04/23/08

Sample ID	Laboratory ID	Matrix	TAT	Date Sampled	Date Received
CAM Metals Less Hg 6000/7000					
B1-6'-6.5'	8D08004-01	Soil	5	04/08/08 08:05	04/08/08 15:33
B2-6'-6.5'	8D08004-03	Soil	5	04/08/08 08:25	04/08/08 15:33
B3-6'-6.5'	8D08004-05	Soil	5	04/08/08 08:45	04/08/08 15:33
B4-0'-0.5'	8D08004-07	Soil	5	04/08/08 09:10	04/08/08 15:33
B5-0'-0.5'	8D08004-09	Soil	5	04/08/08 09:20	04/08/08 15:33
B6-0'-0.5'	8D08004-11	Soil	5	04/08/08 09:25	04/08/08 15:33
B7-0'-0.5'	8D08004-13	Soil	5	04/08/08 09:40	04/08/08 15:33
B8-0'-0.5'	8D08004-15	Soil	5	04/08/08 10:03	04/08/08 15:33
B9-0'-0.5'	8D08004-17	Soil	5	04/08/08 10:15	04/08/08 15:33
B10-7.5'-8'	8D08004-19	Soil	5	04/08/08 10:55	04/08/08 15:33
B11-3.5'-4'	8D08004-21	Soil	5	04/08/08 11:05	04/08/08 15:33
B11-7.5'-8'	8D08004-22	Soil	5	04/08/08 11:10	04/08/08 15:33
Carbon Chain Characterization 8015M					
B1-6'-6.5'	8D08004-01	Soil	5	04/08/08 08:05	04/08/08 15:33
B2-6'-6.5'	8D08004-03	Soil	5	04/08/08 08:25	04/08/08 15:33
B3-6'-6.5'	8D08004-05	Soil	5	04/08/08 08:45	04/08/08 15:33
B4-0'-0.5'	8D08004-07	Soil	5	04/08/08 09:10	04/08/08 15:33
B5-0'-0.5'	8D08004-09	Soil	5	04/08/08 09:20	04/08/08 15:33

Allen Aminian
QA/QC Manager

LABORATORY ANALYSIS RESULTS

Client: Entrix, Inc.
Project No: 41119010
Project Name: Soboba Phase II, San Jacinto

AA Project No: A192266
Date Received: 04/08/08
Date Reported: 04/23/08

Sample ID	Laboratory ID	Matrix	TAT	Date Sampled	Date Received
B6-0'-0.5'	8D08004-11	Soil	5	04/08/08 09:25	04/08/08 15:33
B7-0'-0.5'	8D08004-13	Soil	5	04/08/08 09:40	04/08/08 15:33
B8-0'-0.5'	8D08004-15	Soil	5	04/08/08 10:03	04/08/08 15:33
B8-3.5'-4'	8D08004-16	Soil	5	04/08/08 10:05	04/08/08 15:33
B9-0'-0.5'	8D08004-17	Soil	5	04/08/08 10:15	04/08/08 15:33
B9-3.5'-4'	8D08004-18	Soil	5	04/08/08 10:17	04/08/08 15:33
B10-7.5'-8'	8D08004-19	Soil	5	04/08/08 10:55	04/08/08 15:33
B11-3.5'-4'	8D08004-21	Soil	5	04/08/08 11:05	04/08/08 15:33
B11-7.5'-8'	8D08004-22	Soil	5	04/08/08 11:10	04/08/08 15:33
Mercury Total EPA 7470A/7471A					
B1-6'-6.5'	8D08004-01	Soil	5	04/08/08 08:05	04/08/08 15:33
B2-6'-6.5'	8D08004-03	Soil	5	04/08/08 08:25	04/08/08 15:33
B3-6'-6.5'	8D08004-05	Soil	5	04/08/08 08:45	04/08/08 15:33
B4-0'-0.5'	8D08004-07	Soil	5	04/08/08 09:10	04/08/08 15:33
B5-0'-0.5'	8D08004-09	Soil	5	04/08/08 09:20	04/08/08 15:33
B6-0'-0.5'	8D08004-11	Soil	5	04/08/08 09:25	04/08/08 15:33
B7-0'-0.5'	8D08004-13	Soil	5	04/08/08 09:40	04/08/08 15:33
B8-0'-0.5'	8D08004-15	Soil	5	04/08/08 10:03	04/08/08 15:33
B9-0'-0.5'	8D08004-17	Soil	5	04/08/08 10:15	04/08/08 15:33
B10-7.5'-8'	8D08004-19	Soil	5	04/08/08 10:55	04/08/08 15:33

Allen Aminian
QA/QC Manager

LABORATORY ANALYSIS RESULTS

Client: Entrix, Inc.
Project No: 41119010
Project Name: Soboba Phase II, San Jacinto

AA Project No: A192266
Date Received: 04/08/08
Date Reported: 04/23/08

Sample ID	Laboratory ID	Matrix	TAT	Date Sampled	Date Received
B11-3.5'-4'	8D08004-21	Soil	5	04/08/08 11:05	04/08/08 15:33
B11-7.5'-8'	8D08004-22	Soil	5	04/08/08 11:10	04/08/08 15:33

Allen Aminian
QA/QC Manager

LABORATORY ANALYSIS RESULTS

Client:	Entrix, Inc.	**AA Project No:**	A192266
Project No:	41119010	**Date Received:**	04/08/08
Project Name:	Soboba Phase II, San Jacinto	**Date Reported:**	04/23/08
Method:	Organochlorine Pesticides by GC EPA 8081A	**Units:**	ug/kg

Date Sampled:	04/08/08	04/08/08	04/08/08	04/08/08	
Date Prepared:	04/11/08	04/11/08	04/11/08	04/11/08	
Date Analyzed:	04/14/08	04/14/08	04/14/08	04/14/08	
AA ID No:	8D08004-01	8D08004-03	8D08004-05	8D08004-07	
Client ID No:	B1-6'-6.5'	B2-6'-6.5'	B3-6'-6.5'	B4-0'-0.5'	
Matrix:	Soil	Soil	Soil	Soil	
Dilution Factor:	1	1	1	10	MRL
8081A OCPs (EPA 8081A)					
4,4´-DDD	<4.0	<4.0	<4.0	<40	4.0
4,4´-DDE	<4.0	<4.0	<4.0	<40	4.0
4,4´-DDT	<4.0	<4.0	<4.0	<40	4.0
Aldrin	<2.0	<2.0	<2.0	<20	2.0
beta-BHC	<2.0	<2.0	<2.0	<20	2.0
delta-BHC	<2.0	<2.0	<2.0	<20	2.0
alpha-BHC	<2.0	<2.0	<2.0	<20	2.0
gamma-BHC (Lindane)	<4.0	<4.0	<4.0	<40	4.0
gamma-Chlordane	<4.0	<4.0	<4.0	<40	4.0
alpha-Chlordane	<4.0	<4.0	<4.0	<40	4.0
Chlordane	<20	<20	<20	<200	20
Dieldrin	<4.0	<4.0	<4.0	<40	4.0
Endosulfan I	<2.0	<2.0	<2.0	<20	2.0
Endosulfan II	<4.0	<4.0	<4.0	<40	4.0
Endosulfan sulfate	<4.0	<4.0	<4.0	<40	4.0
Endrin	<4.0	<4.0	<4.0	<40	4.0
Endrin aldehyde	<4.0	<4.0	<4.0	<40	4.0
Endrin ketone	<4.0	<4.0	<4.0	<40	4.0
Heptachlor	<2.0	<2.0	<2.0	<20	2.0
Heptachlor epoxide	<2.0	<2.0	<2.0	<20	2.0
Methoxychlor	<20	<20	<20	<200	20
Toxaphene	<100	<100	<100	<1000	100

Surrogates					**%REC Limits**
Tetrachloro-meta-xylene	83.6%	82.4%	53.8%	86.0%	50-150

Allen Aminian
QA/QC Manager

LABORATORY ANALYSIS RESULTS

Client:	Entrix, Inc.	**AA Project No:**	A192266
Project No:	41119010	**Date Received:**	04/08/08
Project Name:	Soboba Phase II, San Jacinto	**Date Reported:**	04/23/08
Method:	Organochlorine Pesticides by GC EPA 8081A	**Units:**	ug/kg

Date Sampled:	04/08/08	04/08/08	04/08/08	04/08/08	
Date Prepared:	04/11/08	04/11/08	04/11/08	04/11/08	
Date Analyzed:	04/14/08	04/14/08	04/14/08	04/14/08	
AA ID No:	8D08004-09	8D08004-11	8D08004-13	8D08004-15	
Client ID No:	B5-0'-0.5'	B6-0'-0.5'	B7-0'-0.5'	B8-0'-0.5'	
Matrix:	Soil	Soil	Soil	Soil	
Dilution Factor:	10	1	1	50	MRL
8081A OCPs (EPA 8081A)					
4,4´-DDD	<40	<40	<4.0	<400	4.0
4,4´-DDE	<40	<40	<4.0	<400	4.0
4,4´-DDT	<40	<40	<4.0	<400	4.0
Aldrin	<20	<20	<2.0	<200	2.0
beta-BHC	<20	<20	<2.0	<200	2.0
delta-BHC	<20	<20	<2.0	<200	2.0
alpha-BHC	<20	<20	<2.0	<200	2.0
gamma-BHC (Lindane)	<40	<40	<4.0	<400	4.0
gamma-Chlordane	<40	<40	<4.0	<400	4.0
alpha-Chlordane	<40	<40	<4.0	<400	4.0
Chlordane	<200	<200	<20	<2000	20
Dieldrin	<40	<40	<4.0	<400	4.0
Endosulfan I	<20	<20	<2.0	<200	2.0
Endosulfan II	<40	<40	<4.0	<400	4.0
Endosulfan sulfate	<40	<40	<4.0	<400	4.0
Endrin	<40	<40	<4.0	<400	4.0
Endrin aldehyde	<40	<40	<4.0	<400	4.0
Endrin ketone	<40	<40	<4.0	<400	4.0
Heptachlor	<20	<20	<2.0	<200	2.0
Heptachlor epoxide	<20	<20	<2.0	<200	2.0
Methoxychlor	<200	<200	<20	<2000	20
Toxaphene	<1000	<100	<100	<10000	100

Surrogates					**%REC Limits**
Tetrachloro-meta-xylene	112%	126%	68.8%	0.0 [3]	50-150

Allen Aminian
QA/QC Manager

LABORATORY ANALYSIS RESULTS

Client:	Entrix, Inc.	**AA Project No:**	A192266
Project No:	41119010	**Date Received:**	04/08/08
Project Name:	Soboba Phase II, San Jacinto	**Date Reported:**	04/23/08
Method:	Organochlorine Pesticides by GC EPA 8081A	**Units:**	ug/kg

Date Sampled:	04/08/08	04/08/08	04/08/08	04/08/08	
Date Prepared:	04/11/08	04/11/08	04/11/08	04/11/08	
Date Analyzed:	04/14/08	04/14/08	04/14/08	04/14/08	
AA ID No:	8D08004-17	8D08004-19	8D08004-21	8D08004-22	
Client ID No:	B9-0'-0.5'	B10-7.5'-8'	B11-3.5'-4'	B11-7.5'-8'	
Matrix:	Soil	Soil	Soil	Soil	
Dilution Factor:	50	1	1	1	MRL
8081A OCPs (EPA 8081A)					
4,4´-DDD	<400	<4.0	<4.0	<4.0	4.0
4,4´-DDE	<400	<4.0	<4.0	<4.0	4.0
4,4´-DDT	<400	<4.0	<4.0	<4.0	4.0
Aldrin	<200	<2.0	<2.0	<2.0	2.0
beta-BHC	<200	<2.0	<2.0	<2.0	2.0
delta-BHC	<200	<2.0	<2.0	<2.0	2.0
alpha-BHC	<200	<2.0	<2.0	<2.0	2.0
gamma-BHC (Lindane)	<400	<4.0	<4.0	<4.0	4.0
gamma-Chlordane	<400	<4.0	<4.0	<4.0	4.0
alpha-Chlordane	<400	<4.0	<4.0	<4.0	4.0
Chlordane	<2000	<20	<20	<20	20
Dieldrin	<400	<4.0	<4.0	<4.0	4.0
Endosulfan I	<200	<2.0	<2.0	<2.0	2.0
Endosulfan II	<400	<4.0	<4.0	<4.0	4.0
Endosulfan sulfate	<400	<4.0	<4.0	<4.0	4.0
Endrin	<400	<4.0	<4.0	<4.0	4.0
Endrin aldehyde	<400	<4.0	<4.0	<4.0	4.0
Endrin ketone	<400	<4.0	<4.0	<4.0	4.0
Heptachlor	<200	<2.0	<2.0	<2.0	2.0
Heptachlor epoxide	<200	<2.0	<2.0	<2.0	2.0
Methoxychlor	<2000	<20	<20	<20	20
Toxaphene	<10000	<100	<100	<100	100
Surrogates					**%REC Limits**
Tetrachloro-meta-xylene	0.0 [3]	93.0%	87.4%	57.4%	50-150

Allen Aminian
QA/QC Manager

LABORATORY ANALYSIS RESULTS

Client:	Entrix, Inc.	**AA Project No:**	A192266
Project No:	41119010	**Date Received:**	04/08/08
Project Name:	Soboba Phase II, San Jacinto	**Date Reported:**	04/23/08
Method:	Herbicides by EPA 8151A	**Units:**	ug/kg

Date Sampled:	04/08/08	04/08/08	04/08/08	04/08/08	
Date Prepared:	04/11/08	04/11/08	04/11/08	04/11/08	
Date Analyzed:	04/14/08	04/14/08	04/14/08	04/14/08	
AA ID No:	8D08004-01	8D08004-03	8D08004-05	8D08004-07	
Client ID No:	B1-6'-6.5'	B2-6'-6.5'	B3-6'-6.5'	B4-0'-0.5'	
Matrix:	Soil	Soil	Soil	Soil	
Dilution Factor:	1	1	1	1	MRL
8151A Herbicides (EPA 8151A)					
Dalapon	<5.5 [1]	<5.5 [1]	<5.5 [1]	<5.5 [1]	5.5
Dicamba	<1.5 [1]	<1.5 [1]	<1.5 [1]	<1.5 [1]	1.5
Dichloroprop	<1.5 [1]	<1.5 [1]	<1.5 [1]	<1.5 [1]	1.5
Dinoseb	<2.0 [1]	<2.0 [1]	<2.0 [1]	<2.0 [1]	2.0
MCPA	<250 [1]	<250 [1]	<250 [1]	<250 [1]	250
MCPP	<250 [1]	<250 [1]	<250 [1]	<250 [1]	250
4-Nitrophenol	<6.0 [1]	<6.0 [1]	<6.0 [1]	<6.0 [1]	6.0
Pentachlorophenol	<1.0 [1]	<1.0 [1]	<1.0 [1]	<1.0 [1]	1.0
2,4-D	<2.0 [1]	<2.0 [1]	<2.0 [1]	<2.0 [1]	2.0
2,4-DB	<5.0 [1]	<5.0 [1]	<5.0 [1]	<5.0 [1]	5.0
2,4,5-T	<2.0 [1]	<2.0 [1]	<2.0 [1]	<2.0 [1]	2.0
2,4,5-TP (Silvex)	<2.0 [1]	<2.0 [1]	<2.0 [1]	<2.0 [1]	2.0
Surrogates					**%REC Limits**
DCAA	77.0% [1]	125% [1]	141% [1]	113% [1]	43-169

Allen Aminian

Allen Aminian
QA/QC Manager

AMERICAN ANALYTICS

LABORATORY ANALYSIS RESULTS

Client:	Entrix, Inc.	**AA Project No:**	A192266
Project No:	41119010	**Date Received:**	04/08/08
Project Name:	Soboba Phase II, San Jacinto	**Date Reported:**	04/23/08
Method:	Herbicides by EPA 8151A	**Units:**	ug/kg

Date Sampled:	04/08/08	04/08/08	04/08/08	04/08/08	
Date Prepared:	04/11/08	04/11/08	04/11/08	04/11/08	
Date Analyzed:	04/14/08	04/14/08	04/14/08	04/14/08	
AA ID No:	8D08004-09	8D08004-11	8D08004-13	8D08004-15	
Client ID No:	B5-0'-0.5'	B6-0'-0.5'	B7-0'-0.5'	B8-0'-0.5'	
Matrix:	Soil	Soil	Soil	Soil	
Dilution Factor:	1	1	1	1	MRL
8151A Herbicides (EPA 8151A)					
Dalapon	<5.5 [1]	<5.5 [1]	<5.5 [1]	<5.5 [1]	5.5
Dicamba	<1.5 [1]	<1.5 [1]	<1.5 [1]	<1.5 [1]	1.5
Dichloroprop	<1.5 [1]	<1.5 [1]	<1.5 [1]	<1.5 [1]	1.5
Dinoseb	<2.0 [1]	<2.0 [1]	<2.0 [1]	<2.0 [1]	2.0
MCPA	<250 [1]	<250 [1]	<250 [1]	<250 [1]	250
MCPP	<250 [1]	<250 [1]	<250 [1]	<250 [1]	250
4-Nitrophenol	<6.0 [1]	<6.0 [1]	<6.0 [1]	<6.0 [1]	6.0
Pentachlorophenol	<1.0 [1]	<1.0 [1]	<1.0 [1]	<1.0 [1]	1.0
2,4-D	<2.0 [1]	<2.0 [1]	<2.0 [1]	<2.0 [1]	2.0
2,4-DB	<5.0 [1]	<5.0 [1]	<5.0 [1]	<5.0 [1]	5.0
2,4,5-T	<2.0 [1]	<2.0 [1]	<2.0 [1]	<2.0 [1]	2.0
2,4,5-TP (Silvex)	<2.0 [1]	<2.0 [1]	<2.0 [1]	<2.0 [1]	2.0
Surrogates					**%REC Limits**
DCAA	158% [1]	121% [1]	143% [1]	98.0% [1]	43-169

Allen Aminian
QA/QC Manager

LABORATORY ANALYSIS RESULTS

Client:	Entrix, Inc.	**AA Project No:**	A192266
Project No:	41119010	**Date Received:**	04/08/08
Project Name:	Soboba Phase II, San Jacinto	**Date Reported:**	04/23/08
Method:	Herbicides by EPA 8151A	**Units:**	ug/kg

Date Sampled:	04/08/08	04/08/08	04/08/08	04/08/08	
Date Prepared:	04/11/08	04/11/08	04/11/08	04/11/08	
Date Analyzed:	04/14/08	04/14/08	04/14/08	04/14/08	
AA ID No:	8D08004-17	8D08004-19	8D08004-21	8D08004-22	
Client ID No:	B9-0'-0.5'	B10-7.5'-8'	B11-3.5'-4'	B11-7.5'-8'	
Matrix:	Soil	Soil	Soil	Soil	
Dilution Factor:	1	1	1	1	MRL
8151A Herbicides (EPA 8151A)					
Dalapon	<5.5 [1]	<5.5 [1]	<5.5 [1]	<5.5 [1]	5.5
Dicamba	<1.5 [1]	<1.5 [1]	<1.5 [1]	<1.5 [1]	1.5
Dichloroprop	<1.5 [1]	<1.5 [1]	<1.5 [1]	<1.5 [1]	1.5
Dinoseb	<2.0 [1]	<2.0 [1]	<2.0 [1]	<2.0 [1]	2.0
MCPA	<250 [1]	<250 [1]	<250 [1]	<250 [1]	250
MCPP	<250 [1]	<250 [1]	<250 [1]	<250 [1]	250
4-Nitrophenol	<6.0 [1]	<6.0 [1]	<6.0 [1]	<6.0 [1]	6.0
Pentachlorophenol	<1.0 [1]	<1.0 [1]	<1.0 [1]	<1.0 [1]	1.0
2,4-D	<2.0 [1]	<2.0 [1]	<2.0 [1]	<2.0 [1]	2.0
2,4-DB	<5.0 [1]	<5.0 [1]	<5.0 [1]	<5.0 [1]	5.0
2,4,5-T	<2.0 [1]	<2.0 [1]	<2.0 [1]	<2.0 [1]	2.0
2,4,5-TP (Silvex)	<2.0 [1]	<2.0 [1]	<2.0 [1]	<2.0 [1]	2.0
Surrogates					**%REC Limits**
DCAA	127% [1]	115% [1]	94.0% [1]	125% [1]	43-169

Allen Aminian

Allen Aminian
QA/QC Manager

AMERICAN ANALYTICS

LABORATORY ANALYSIS RESULTS

Client:	Entrix, Inc.	**AA Project No:**	A192266
Project No:	41119010	**Date Received:**	04/08/08
Project Name:	Soboba Phase II, San Jacinto	**Date Reported:**	04/23/08
Method:	VOCs by GC/MS	**Units:**	ug/kg

Date Sampled:	04/08/08	04/08/08	04/08/08	04/08/08	
Date Prepared:	04/10/08	04/10/08	04/10/08	04/10/08	
Date Analyzed:	04/10/08	04/10/08	04/10/08	04/10/08	
AA ID No:	8D08004-01	8D08004-03	8D08004-05	8D08004-07	
Client ID No:	B1-6'-6.5'	B2-6'-6.5'	B3-6'-6.5'	B4-0'-0.5'	
Matrix:	Soil	Soil	Soil	Soil	
Dilution Factor:	1	1	1	1	MRL
8260B (EPA 8260B)					
Acetone	<50	<50	<50	<50	50
Benzene	<2.0	<2.0	<2.0	<2.0	2.0
Bromobenzene	<5.0	<5.0	<5.0	<5.0	5.0
Bromochloromethane	<5.0	<5.0	<5.0	<5.0	5.0
Bromodichloromethane	<5.0	<5.0	<5.0	<5.0	5.0
Bromoform	<5.0	<5.0	<5.0	<5.0	5.0
Bromomethane	<5.0	<5.0	<5.0	<5.0	5.0
2-Butanone (MEK)	<50	<50	<50	<50	50
sec-Butylbenzene	<5.0	<5.0	<5.0	<5.0	5.0
n-Butylbenzene	<5.0	<5.0	<5.0	<5.0	5.0
tert-Butylbenzene	<5.0	<5.0	<5.0	<5.0	5.0
Carbon Disulfide	<5.0	<5.0	<5.0	<5.0	5.0
Carbon Tetrachloride	<5.0	<5.0	<5.0	<5.0	5.0
Chlorobenzene	<5.0	<5.0	<5.0	<5.0	5.0
Chloroethane	<5.0	<5.0	<5.0	<5.0	5.0
Chloroform	<5.0	<5.0	<5.0	<5.0	5.0
Chloromethane	<5.0	<5.0	<5.0	<5.0	5.0
4-Chlorotoluene	<5.0	<5.0	<5.0	<5.0	5.0
2-Chlorotoluene	<5.0	<5.0	<5.0	<5.0	5.0
1,2-Dibromo-3-chloropropane	<10	<10	<10	<10	10
Dibromochloromethane	<5.0	<5.0	<5.0	<5.0	5.0
1,2-Dibromoethane (EDB)	<5.0	<5.0	<5.0	<5.0	5.0
Dibromomethane	<5.0	<5.0	<5.0	<5.0	5.0
1,3-Dichlorobenzene	<5.0	<5.0	<5.0	<5.0	5.0
1,2-Dichlorobenzene	<5.0	<5.0	<5.0	<5.0	5.0
1,4-Dichlorobenzene	<5.0	<5.0	<5.0	<5.0	5.0
Dichlorodifluoromethane (R12)	<5.0	<5.0	<5.0	<5.0	5.0

Allen A

Allen Aminian
QA/QC Manager

LABORATORY ANALYSIS RESULTS

Client:	Entrix, Inc.	**AA Project No:**	A192266
Project No:	41119010	**Date Received:**	04/08/08
Project Name:	Soboba Phase II, San Jacinto	**Date Reported:**	04/23/08
Method:	VOCs by GC/MS	**Units:**	ug/kg

Date Sampled:	04/08/08	04/08/08	04/08/08	04/08/08	
Date Prepared:	04/10/08	04/10/08	04/10/08	04/10/08	
Date Analyzed:	04/10/08	04/10/08	04/10/08	04/10/08	
AA ID No:	8D08004-01	8D08004-03	8D08004-05	8D08004-07	
Client ID No:	B1-6'-6.5'	B2-6'-6.5'	B3-6'-6.5'	B4-0'-0.5'	
Matrix:	Soil	Soil	Soil	Soil	
Dilution Factor:	1	1	1	1	MRL
8260B (EPA 8260B) (continued)					
1,1-Dichloroethane	<5.0	<5.0	<5.0	<5.0	5.0
1,2-Dichloroethane (EDC)	<5.0	<5.0	<5.0	<5.0	5.0
1,1-Dichloroethylene	<5.0	<5.0	<5.0	<5.0	5.0
trans-1,2-Dichloroethylene	<5.0	<5.0	<5.0	<5.0	5.0
cis-1,2-Dichloroethylene	<5.0	<5.0	<5.0	<5.0	5.0
2,2-Dichloropropane	<5.0	<5.0	<5.0	<5.0	5.0
1,2-Dichloropropane	<5.0	<5.0	<5.0	<5.0	5.0
1,3-Dichloropropane	<5.0	<5.0	<5.0	<5.0	5.0
1,1-Dichloropropylene	<5.0	<5.0	<5.0	<5.0	5.0
cis-1,3-Dichloropropylene	<5.0	<5.0	<5.0	<5.0	5.0
trans-1,3-Dichloropropylene	<5.0	<5.0	<5.0	<5.0	5.0
Ethylbenzene	<2.0	<2.0	<2.0	<2.0	2.0
Hexachlorobutadiene	<10	<10	<10	<10	10
2-Hexanone (MBK)	<50	<50	<50	<50	50
Isopropylbenzene	<5.0	<5.0	<5.0	<5.0	5.0
4-Isopropyltoluene	<5.0	<5.0	<5.0	<5.0	5.0
Methyl-tert-Butyl Ether (MTBE)	<5.0	<5.0	<5.0	<5.0	5.0
Methylene Chloride	<50	<50	<50	<50	50
4-Methyl-2-pentanone (MIBK)	<50	<50	<50	<50	50
Naphthalene	<10	<10	<10	<10	10
n-Propylbenzene	<5.0	<5.0	<5.0	<5.0	5.0
Styrene	<5.0	<5.0	<5.0	<5.0	5.0
1,1,2,2-Tetrachloroethane	<5.0	<5.0	<5.0	<5.0	5.0
1,1,1,2-Tetrachloroethane	<5.0	<5.0	<5.0	<5.0	5.0
Tetrachloroethylene (PCE)	<5.0	<5.0	<5.0	<5.0	5.0
Toluene	<2.0	<2.0	<2.0	<2.0	2.0
1,2,4-Trichlorobenzene	<5.0	<5.0	<5.0	<5.0	5.0

Allen Aminian
QA/QC Manager

LABORATORY ANALYSIS RESULTS

Client:	Entrix, Inc.	**AA Project No:**	A192266
Project No:	41119010	**Date Received:**	04/08/08
Project Name:	Soboba Phase II, San Jacinto	**Date Reported:**	04/23/08
Method:	VOCs by GC/MS	**Units:**	ug/kg

Date Sampled:	04/08/08	04/08/08	04/08/08	04/08/08	
Date Prepared:	04/10/08	04/10/08	04/10/08	04/10/08	
Date Analyzed:	04/10/08	04/10/08	04/10/08	04/10/08	
AA ID No:	8D08004-01	8D08004-03	8D08004-05	8D08004-07	
Client ID No:	B1-6'-6.5'	B2-6'-6.5'	B3-6'-6.5'	B4-0'-0.5'	
Matrix:	Soil	Soil	Soil	Soil	
Dilution Factor:	1	1	1	1	MRL
8260B (EPA 8260B) (continued)					
1,2,3-Trichlorobenzene	<5.0	<5.0	<5.0	<5.0	5.0
1,1,2-Trichloroethane	<5.0	<5.0	<5.0	<5.0	5.0
1,1,1-Trichloroethane	<5.0	<5.0	<5.0	<5.0	5.0
Trichloroethylene (TCE)	<5.0	<5.0	<5.0	<5.0	5.0
Trichlorofluoromethane (R11)	<5.0	<5.0	<5.0	<5.0	5.0
1,2,3-Trichloropropane	<5.0	<5.0	<5.0	<5.0	5.0
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	<5.0	<5.0	<5.0	<5.0	5.0
1,2,4-Trimethylbenzene	<5.0	<5.0	<5.0	<5.0	5.0
1,3,5-Trimethylbenzene	<5.0	<5.0	<5.0	<5.0	5.0
Vinyl chloride	<5.0	<5.0	<5.0	<5.0	5.0
o-Xylene	<2.0	<2.0	<2.0	<2.0	2.0
m,p-Xylenes	<2.0	<2.0	<2.0	<2.0	2.0

Surrogates					**%REC Limits**
4-Bromofluorobenzene	103%	105%	104%	110%	70-140
Dibromofluoromethane	105%	99.9%	100%	100%	70-140
Toluene-d8	106%	108%	108%	111%	70-140

Allen Aminian
QA/QC Manager

LABORATORY ANALYSIS RESULTS

Client:	Entrix, Inc.	**AA Project No:**	A192266
Project No:	41119010	**Date Received:**	04/08/08
Project Name:	Soboba Phase II, San Jacinto	**Date Reported:**	04/23/08
Method:	VOCs by GC/MS	**Units:**	ug/kg

Date Sampled:	04/08/08	04/08/08	04/08/08	04/08/08	
Date Prepared:	04/10/08	04/10/08	04/10/08	04/10/08	
Date Analyzed:	04/10/08	04/10/08	04/10/08	04/10/08	
AA ID No:	8D08004-09	8D08004-11	8D08004-13	8D08004-15	
Client ID No:	B5-0'-0.5'	B6-0'-0.5'	B7-0'-0.5'	B8-0'-0.5'	
Matrix:	Soil	Soil	Soil	Soil	
Dilution Factor:	1	1	1	1	MRL
8260B (EPA 8260B)					
Acetone	<50	<50	<50	<50	50
Benzene	<2.0	<2.0	<2.0	<2.0	2.0
Bromobenzene	<5.0	<5.0	<5.0	<5.0	5.0
Bromochloromethane	<5.0	<5.0	<5.0	<5.0	5.0
Bromodichloromethane	<5.0	<5.0	<5.0	<5.0	5.0
Bromoform	<5.0	<5.0	<5.0	<5.0	5.0
Bromomethane	<5.0	<5.0	<5.0	<5.0	5.0
2-Butanone (MEK)	<50	<50	<50	<50	50
sec-Butylbenzene	<5.0	<5.0	<5.0	<5.0	5.0
n-Butylbenzene	<5.0	<5.0	<5.0	<5.0	5.0
tert-Butylbenzene	<5.0	<5.0	<5.0	<5.0	5.0
Carbon Disulfide	<5.0	<5.0	<5.0	<5.0	5.0
Carbon Tetrachloride	<5.0	<5.0	<5.0	<5.0	5.0
Chlorobenzene	<5.0	<5.0	<5.0	<5.0	5.0
Chloroethane	<5.0	<5.0	<5.0	<5.0	5.0
Chloroform	<5.0	<5.0	<5.0	<5.0	5.0
Chloromethane	<5.0	<5.0	<5.0	<5.0	5.0
4-Chlorotoluene	<5.0	<5.0	<5.0	<5.0	5.0
2-Chlorotoluene	<5.0	<5.0	<5.0	<5.0	5.0
1,2-Dibromo-3-chloropropane	<10	<10	<10	<10	10
Dibromochloromethane	<5.0	<5.0	<5.0	<5.0	5.0
1,2-Dibromoethane (EDB)	<5.0	<5.0	<5.0	<5.0	5.0
Dibromomethane	<5.0	<5.0	<5.0	<5.0	5.0
1,3-Dichlorobenzene	<5.0	<5.0	<5.0	<5.0	5.0
1,2-Dichlorobenzene	<5.0	<5.0	<5.0	<5.0	5.0
1,4-Dichlorobenzene	<5.0	<5.0	<5.0	<5.0	5.0
Dichlorodifluoromethane (R12)	<5.0	<5.0	<5.0	<5.0	5.0

Allen A

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QA/QC Manager

LABORATORY ANALYSIS RESULTS

Client:	Entrix, Inc.	**AA Project No:**	A192266
Project No:	41119010	**Date Received:**	04/08/08
Project Name:	Soboba Phase II, San Jacinto	**Date Reported:**	04/23/08
Method:	VOCs by GC/MS	**Units:**	ug/kg

Date Sampled:	04/08/08	04/08/08	04/08/08	04/08/08	
Date Prepared:	04/10/08	04/10/08	04/10/08	04/10/08	
Date Analyzed:	04/10/08	04/10/08	04/10/08	04/10/08	
AA ID No:	8D08004-09	8D08004-11	8D08004-13	8D08004-15	
Client ID No:	B5-0'-0.5'	B6-0'-0.5'	B7-0'-0.5'	B8-0'-0.5'	
Matrix:	Soil	Soil	Soil	Soil	
Dilution Factor:	1	1	1	1	MRL
8260B (EPA 8260B) (continued)					
1,1-Dichloroethane	<5.0	<5.0	<5.0	<5.0	5.0
1,2-Dichloroethane (EDC)	<5.0	<5.0	<5.0	<5.0	5.0
1,1-Dichloroethylene	<5.0	<5.0	<5.0	<5.0	5.0
trans-1,2-Dichloroethylene	<5.0	<5.0	<5.0	<5.0	5.0
cis-1,2-Dichloroethylene	<5.0	<5.0	<5.0	<5.0	5.0
2,2-Dichloropropane	<5.0	<5.0	<5.0	<5.0	5.0
1,2-Dichloropropane	<5.0	<5.0	<5.0	<5.0	5.0
1,3-Dichloropropane	<5.0	<5.0	<5.0	<5.0	5.0
1,1-Dichloropropylene	<5.0	<5.0	<5.0	<5.0	5.0
cis-1,3-Dichloropropylene	<5.0	<5.0	<5.0	<5.0	5.0
trans-1,3-Dichloropropylene	<5.0	<5.0	<5.0	<5.0	5.0
Ethylbenzene	<2.0	<2.0	<2.0	<2.0	2.0
Hexachlorobutadiene	<10	<10	<10	<10	10
2-Hexanone (MBK)	<50	<50	<50	<50	50
Isopropylbenzene	<5.0	<5.0	<5.0	<5.0	5.0
4-Isopropyltoluene	<5.0	<5.0	<5.0	<5.0	5.0
Methyl-tert-Butyl Ether (MTBE)	<5.0	<5.0	<5.0	<5.0	5.0
Methylene Chloride	<50	<50	<50	<50	50
4-Methyl-2-pentanone (MIBK)	<50	<50	<50	<50	50
Naphthalene	<10	<10	<10	<10	10
n-Propylbenzene	<5.0	<5.0	<5.0	<5.0	5.0
Styrene	<5.0	<5.0	<5.0	<5.0	5.0
1,1,2,2-Tetrachloroethane	<5.0	<5.0	<5.0	<5.0	5.0
1,1,1,2-Tetrachloroethane	<5.0	<5.0	<5.0	<5.0	5.0
Tetrachloroethylene (PCE)	<5.0	<5.0	<5.0	<5.0	5.0
Toluene	<2.0	<2.0	<2.0	<2.0	2.0
1,2,4-Trichlorobenzene	<5.0	<5.0	<5.0	<5.0	5.0

Allen Aminian
QA/QC Manager

LABORATORY ANALYSIS RESULTS

Client:	Entrix, Inc.	**AA Project No:**	A192266
Project No:	41119010	**Date Received:**	04/08/08
Project Name:	Soboba Phase II, San Jacinto	**Date Reported:**	04/23/08
Method:	VOCs by GC/MS	**Units:**	ug/kg

Date Sampled:	04/08/08	04/08/08	04/08/08	04/08/08	
Date Prepared:	04/10/08	04/10/08	04/10/08	04/10/08	
Date Analyzed:	04/10/08	04/10/08	04/10/08	04/10/08	
AA ID No:	8D08004-09	8D08004-11	8D08004-13	8D08004-15	
Client ID No:	B5-0'-0.5'	B6-0'-0.5'	B7-0'-0.5'	B8-0'-0.5'	
Matrix:	Soil	Soil	Soil	Soil	
Dilution Factor:	1	1	1	1	MRL
8260B (EPA 8260B) (continued)					
1,2,3-Trichlorobenzene	<5.0	<5.0	<5.0	<5.0	5.0
1,1,2-Trichloroethane	<5.0	<5.0	<5.0	<5.0	5.0
1,1,1-Trichloroethane	<5.0	<5.0	<5.0	<5.0	5.0
Trichloroethylene (TCE)	<5.0	<5.0	<5.0	<5.0	5.0
Trichlorofluoromethane (R11)	<5.0	<5.0	<5.0	<5.0	5.0
1,2,3-Trichloropropane	<5.0	<5.0	<5.0	<5.0	5.0
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	<5.0	<5.0	<5.0	<5.0	5.0
1,2,4-Trimethylbenzene	<5.0	<5.0	<5.0	<5.0	5.0
1,3,5-Trimethylbenzene	<5.0	<5.0	<5.0	<5.0	5.0
Vinyl chloride	<5.0	<5.0	<5.0	<5.0	5.0
o-Xylene	<2.0	<2.0	<2.0	<2.0	2.0
m,p-Xylenes	<2.0	<2.0	<2.0	<2.0	2.0

Surrogates					**%REC Limits**
4-Bromofluorobenzene	108%	118%	106%	131%	70-140
Dibromofluoromethane	103%	90.2%	99.6%	100%	70-140
Toluene-d8	106%	110%	109%	112%	70-140

Allen Aminian
QA/QC Manager

LABORATORY ANALYSIS RESULTS

Client:	Entrix, Inc.	**AA Project No:**	A192266
Project No:	41119010	**Date Received:**	04/08/08
Project Name:	Soboba Phase II, San Jacinto	**Date Reported:**	04/23/08
Method:	VOCs by GC/MS	**Units:**	ug/kg

Date Sampled:	04/08/08	04/08/08	04/08/08	04/08/08	
Date Prepared:	04/11/08	04/11/08	04/11/08	04/11/08	
Date Analyzed:	04/11/08	04/11/08	04/11/08	04/11/08	
AA ID No:	8D08004-17	8D08004-19	8D08004-21	8D08004-22	
Client ID No:	B9-0'-0.5'	B10-7.5'-8'	B11-3.5'-4'	B11-7.5'-8'	
Matrix:	Soil	Soil	Soil	Soil	
Dilution Factor:	1	1	1	1	MRL
8260B (EPA 8260B)					
Acetone	<50	<50	<50	<50	50
Benzene	<2.0	<2.0	<2.0	<2.0	2.0
Bromobenzene	<5.0	<5.0	<5.0	<5.0	5.0
Bromochloromethane	<5.0	<5.0	<5.0	<5.0	5.0
Bromodichloromethane	<5.0	<5.0	<5.0	<5.0	5.0
Bromoform	<5.0	<5.0	<5.0	<5.0	5.0
Bromomethane	<5.0	<5.0	<5.0	<5.0	5.0
2-Butanone (MEK)	<50	<50	<50	<50	50
sec-Butylbenzene	<5.0	<5.0	<5.0	<5.0	5.0
n-Butylbenzene	<5.0	<5.0	<5.0	<5.0	5.0
tert-Butylbenzene	<5.0	<5.0	<5.0	<5.0	5.0
Carbon Disulfide	<5.0	<5.0	<5.0	<5.0	5.0
Carbon Tetrachloride	<5.0	<5.0	<5.0	<5.0	5.0
Chlorobenzene	<5.0	<5.0	<5.0	<5.0	5.0
Chloroethane	<5.0	<5.0	<5.0	<5.0	5.0
Chloroform	<5.0	<5.0	<5.0	<5.0	5.0
Chloromethane	<5.0	<5.0	<5.0	<5.0	5.0
4-Chlorotoluene	<5.0	<5.0	<5.0	<5.0	5.0
2-Chlorotoluene	<5.0	<5.0	<5.0	<5.0	5.0
1,2-Dibromo-3-chloropropane	<10	<10	<10	<10	10
Dibromochloromethane	<5.0	<5.0	<5.0	<5.0	5.0
1,2-Dibromoethane (EDB)	<5.0	<5.0	<5.0	<5.0	5.0
Dibromomethane	<5.0	<5.0	<5.0	<5.0	5.0
1,3-Dichlorobenzene	<5.0	<5.0	<5.0	<5.0	5.0
1,2-Dichlorobenzene	<5.0	<5.0	<5.0	<5.0	5.0
1,4-Dichlorobenzene	<5.0	<5.0	<5.0	<5.0	5.0
Dichlorodifluoromethane (R12)	<5.0	<5.0	<5.0	<5.0	5.0

Allen A

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QA/QC Manager

LABORATORY ANALYSIS RESULTS

Client:	Entrix, Inc.	**AA Project No:**	A192266
Project No:	41119010	**Date Received:**	04/08/08
Project Name:	Soboba Phase II, San Jacinto	**Date Reported:**	04/23/08
Method:	VOCs by GC/MS	**Units:**	ug/kg

Date Sampled:	04/08/08	04/08/08	04/08/08	04/08/08	
Date Prepared:	04/11/08	04/11/08	04/11/08	04/11/08	
Date Analyzed:	04/11/08	04/11/08	04/11/08	04/11/08	
AA ID No:	8D08004-17	8D08004-19	8D08004-21	8D08004-22	
Client ID No:	B9-0'-0.5'	B10-7.5'-8'	B11-3.5'-4'	B11-7.5'-8'	
Matrix:	Soil	Soil	Soil	Soil	
Dilution Factor:	1	1	1	1	MRL
8260B (EPA 8260B) (continued)					
1,1-Dichloroethane	<5.0	<5.0	<5.0	<5.0	5.0
1,2-Dichloroethane (EDC)	<5.0	<5.0	<5.0	<5.0	5.0
1,1-Dichloroethylene	<5.0	<5.0	<5.0	<5.0	5.0
trans-1,2-Dichloroethylene	<5.0	<5.0	<5.0	<5.0	5.0
cis-1,2-Dichloroethylene	<5.0	<5.0	<5.0	<5.0	5.0
2,2-Dichloropropane	<5.0	<5.0	<5.0	<5.0	5.0
1,2-Dichloropropane	<5.0	<5.0	<5.0	<5.0	5.0
1,3-Dichloropropane	<5.0	<5.0	<5.0	<5.0	5.0
1,1-Dichloropropylene	<5.0	<5.0	<5.0	<5.0	5.0
cis-1,3-Dichloropropylene	<5.0	<5.0	<5.0	<5.0	5.0
trans-1,3-Dichloropropylene	<5.0	<5.0	<5.0	<5.0	5.0
Ethylbenzene	<2.0	<2.0	<2.0	<2.0	2.0
Hexachlorobutadiene	<10	<10	<10	<10	10
2-Hexanone (MBK)	<50	<50	<50	<50	50
Isopropylbenzene	<5.0	<5.0	<5.0	<5.0	5.0
4-Isopropyltoluene	<5.0	<5.0	<5.0	<5.0	5.0
Methyl-tert-Butyl Ether (MTBE)	<5.0	<5.0	<5.0	<5.0	5.0
Methylene Chloride	<50	<50	<50	<50	50
4-Methyl-2-pentanone (MIBK)	<50	<50	<50	<50	50
Naphthalene	<10	<10	<10	<10	10
n-Propylbenzene	<5.0	<5.0	<5.0	<5.0	5.0
Styrene	<5.0	<5.0	<5.0	<5.0	5.0
1,1,2,2-Tetrachloroethane	<5.0	<5.0	<5.0	<5.0	5.0
1,1,1,2-Tetrachloroethane	<5.0	<5.0	<5.0	<5.0	5.0
Tetrachloroethylene (PCE)	<5.0	**5.3**	<5.0	<5.0	5.0
Toluene	<2.0	<2.0	<2.0	<2.0	2.0
1,2,4-Trichlorobenzene	<5.0	<5.0	<5.0	<5.0	5.0

Allen Aminian
QA/QC Manager

LABORATORY ANALYSIS RESULTS

Client:	Entrix, Inc.	**AA Project No:**	A192266
Project No:	41119010	**Date Received:**	04/08/08
Project Name:	Soboba Phase II, San Jacinto	**Date Reported:**	04/23/08
Method:	VOCs by GC/MS	**Units:**	ug/kg

Date Sampled:	04/08/08	04/08/08	04/08/08	04/08/08	
Date Prepared:	04/11/08	04/11/08	04/11/08	04/11/08	
Date Analyzed:	04/11/08	04/11/08	04/11/08	04/11/08	
AA ID No:	8D08004-17	8D08004-19	8D08004-21	8D08004-22	
Client ID No:	B9-0'-0.5'	B10-7.5'-8'	B11-3.5'-4'	B11-7.5'-8'	
Matrix:	Soil	Soil	Soil	Soil	
Dilution Factor:	1	1	1	1	MRL
8260B (EPA 8260B) (continued)					
1,2,3-Trichlorobenzene	<5.0	<5.0	<5.0	<5.0	5.0
1,1,2-Trichloroethane	<5.0	<5.0	<5.0	<5.0	5.0
1,1,1-Trichloroethane	<5.0	<5.0	<5.0	<5.0	5.0
Trichloroethylene (TCE)	<5.0	<5.0	<5.0	<5.0	5.0
Trichlorofluoromethane (R11)	<5.0	<5.0	<5.0	<5.0	5.0
1,2,3-Trichloropropane	<5.0	<5.0	<5.0	<5.0	5.0
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	<5.0	<5.0	<5.0	<5.0	5.0
1,2,4-Trimethylbenzene	<5.0	<5.0	<5.0	<5.0	5.0
1,3,5-Trimethylbenzene	<5.0	<5.0	<5.0	<5.0	5.0
Vinyl chloride	<5.0	<5.0	<5.0	<5.0	5.0
o-Xylene	<2.0	<2.0	<2.0	<2.0	2.0
m,p-Xylenes	<2.0	<2.0	<2.0	<2.0	2.0

Surrogates					**%REC Limits**
4-Bromofluorobenzene	106%	110%	109%	108%	70-140
Dibromofluoromethane	112%	112%	106%	112%	70-140
Toluene-d8	102%	102%	102%	102%	70-140

Allen Aminian
QA/QC Manager

LABORATORY ANALYSIS RESULTS

Client:	Entrix, Inc.	**AA Project No:**	A192266
Project No:	41119010	**Date Received:**	04/08/08
Project Name:	Soboba Phase II, San Jacinto	**Date Reported:**	04/23/08
Method:	Carbon Chain by GC/FID	**Units:**	mg/kg

Date Sampled:	04/08/08	04/08/08	04/08/08	04/08/08	
Date Prepared:	04/09/08	04/09/08	04/09/08	04/09/08	
Date Analyzed:	04/09/08	04/09/08	04/09/08	04/09/08	
AA ID No:	8D08004-01	8D08004-03	8D08004-05	8D08004-07	
Client ID No:	B1-6'-6.5'	B2-6'-6.5'	B3-6'-6.5'	B4-0'-0.5'	
Matrix:	Soil	Soil	Soil	Soil	
Dilution Factor:	1	1	1	1	MRL
Carbon Chain Characterization 8015M (EPA 8015M)					
C6-C8	<1.0	<1.0	<1.0	<1.0	1.0
C8-C10	<1.0	<1.0	<1.0	<1.0	1.0
C10-C12	<1.0	<1.0	<1.0	<1.0	1.0
C12-C14	<1.0	<1.0	<1.0	<1.0	1.0
C14-C16	<1.0	<1.0	<1.0	<1.0	1.0
C16-C18	<1.0	<1.0	<1.0	<1.0	1.0
C18-C20	<1.0	<1.0	<1.0	<1.0	1.0
C20-C22	<1.0	<1.0	<1.0	<1.0	1.0
C22-C24	<1.0	<1.0	<1.0	<1.0	1.0
C24-C26	<1.0	<1.0	<1.0	<1.0	1.0
C26-C28	<1.0	<1.0	<1.0	<1.0	1.0
C28-C32	<1.0	<1.0	<1.0	<1.0	1.0
C32-C34	<1.0	<1.0	<1.0	<1.0	1.0
C34-C36	<1.0	<1.0	<1.0	<1.0	1.0
C36-C40	<1.0	<1.0	<1.0	<1.0	1.0
C40-C44	<1.0	<1.0	<1.0	<1.0	1.0
TPH (C6-C44)	<10	<10	<10	<10	10
Surrogates					**%REC Limits**
o-Terphenyl	54.5%	57.2%	60.8%	57.2%	50-150

Allen Aminian
QA/QC Manager

LABORATORY ANALYSIS RESULTS

Client:	Entrix, Inc.	**AA Project No:**	A192266
Project No:	41119010	**Date Received:**	04/08/08
Project Name:	Soboba Phase II, San Jacinto	**Date Reported:**	04/23/08
Method:	Carbon Chain by GC/FID	**Units:**	mg/kg

Date Sampled:	04/08/08	04/08/08	04/08/08	04/08/08	
Date Prepared:	04/09/08	04/09/08	04/09/08	04/09/08	
Date Analyzed:	04/09/08	04/09/08	04/09/08	04/09/08	
AA ID No:	8D08004-09	8D08004-11	8D08004-13	8D08004-15	
Client ID No:	B5-0'-0.5'	B6-0'-0.5'	B7-0'-0.5'	B8-0'-0.5'	
Matrix:	Soil	Soil	Soil	Soil	
Dilution Factor:	1	1	1	1	MRL
Carbon Chain Characterization 8015M (EPA 8015M)					
C6-C8	<1.0	<1.0	<1.0	<1.0	1.0
C8-C10	<1.0	<1.0	<1.0	<1.0	1.0
C10-C12	<1.0	<1.0	<1.0	<1.0	1.0
C12-C14	<1.0	<1.0	<1.0	**12**	1.0
C14-C16	<1.0	<1.0	<1.0	**37**	1.0
C16-C18	<1.0	<1.0	<1.0	**93**	1.0
C18-C20	<1.0	<1.0	<1.0	**140**	1.0
C20-C22	<1.0	<1.0	<1.0	**190**	1.0
C22-C24	<1.0	<1.0	<1.0	**300**	1.0
C24-C26	<1.0	<1.0	<1.0	**52**	1.0
C26-C28	<1.0	<1.0	<1.0	**85**	1.0
C28-C32	<1.0	<1.0	<1.0	**140**	1.0
C32-C34	<1.0	<1.0	<1.0	**17**	1.0
C34-C36	<1.0	<1.0	<1.0	**10**	1.0
C36-C40	<1.0	<1.0	<1.0	**40**	1.0
C40-C44	<1.0	<1.0	<1.0	**1.4**	1.0
TPH (C6-C44)	<10	<10	<10	**1100**	10
Surrogates					**%REC Limits**
o-Terphenyl	81.6%	91.6%	58.4%	92.6%	50-150

Allen Aminian
QA/QC Manager

AMERICAN ANALYTICS

LABORATORY ANALYSIS RESULTS

Client:	Entrix, Inc.	**AA Project No:**	A192266
Project No:	41119010	**Date Received:**	04/08/08
Project Name:	Soboba Phase II, San Jacinto	**Date Reported:**	04/23/08
Method:	Carbon Chain by GC/FID	**Units:**	mg/kg

Date Sampled:	04/08/08	04/08/08	04/08/08	04/08/08	
Date Prepared:	04/16/08	04/09/08	04/16/08	04/09/08	
Date Analyzed:	04/16/08	04/09/08	04/16/08	04/09/08	
AA ID No:	8D08004-16	8D08004-17	8D08004-18	8D08004-19	
Client ID No:	B8-3.5'-4'	B9-0'-0.5'	B9-3.5'-4'	B10-7.5'-8'	
Matrix:	Soil	Soil	Soil	Soil	
Dilution Factor:	1	1	1	1	MRL
Carbon Chain Characterization 8015M (EPA 8015M)					
C6-C8	<1.0	<1.0	<1.0	<1.0	1.0
C8-C10	<1.0	<1.0	<1.0	<1.0	1.0
C10-C12	**4.4**	<1.0	**3.0**	<1.0	1.0
C12-C14	**1.6**	**3.6**	**1.7**	<1.0	1.0
C14-C16	<1.0	**15**	<1.0	<1.0	1.0
C16-C18	<1.0	**36**	<1.0	<1.0	1.0
C18-C20	<1.0	**35**	<1.0	<1.0	1.0
C20-C22	<1.0	**42**	<1.0	<1.0	1.0
C22-C24	<1.0	**42**	<1.0	<1.0	1.0
C24-C26	<1.0	**40**	<1.0	<1.0	1.0
C26-C28	<1.0	**46**	<1.0	<1.0	1.0
C28-C32	<1.0	**110**	<1.0	<1.0	1.0
C32-C34	<1.0	**29**	<1.0	<1.0	1.0
C34-C36	<1.0	**10**	<1.0	<1.0	1.0
C36-C40	**3.3**	**60**	<1.0	<1.0	1.0
C40-C44	<1.0	<1.0	<1.0	<1.0	1.0
TPH (C6-C44)	<10	**460**	<10	<10	10
Surrogates					**%REC Limits**
o-Terphenyl	113%	98.0%	97.9%	84.0%	50-150

Allen Aminian

Allen Aminian
QA/QC Manager

LABORATORY ANALYSIS RESULTS

Client:	Entrix, Inc.	**AA Project No:**	A192266
Project No:	41119010	**Date Received:**	04/08/08
Project Name:	Soboba Phase II, San Jacinto	**Date Reported:**	04/23/08
Method:	Carbon Chain by GC/FID	**Units:**	mg/kg

Date Sampled:	04/08/08	04/08/08	
Date Prepared:	04/09/08	04/09/08	
Date Analyzed:	04/09/08	04/09/08	
AA ID No:	8D08004-21	8D08004-22	
Client ID No:	B11-3.5'-4'	B11-7.5'-8'	
Matrix:	Soil	Soil	
Dilution Factor:	1	1	MRL
Carbon Chain Characterization 8015M (EPA 8015M)			
C6-C8	<1.0	<1.0	1.0
C8-C10	**2.5**	**3.5**	1.0
C10-C12	<1.0	**1.2**	1.0
C12-C14	<1.0	<1.0	1.0
C14-C16	<1.0	**2.0**	1.0
C16-C18	**1.9**	<1.0	1.0
C18-C20	<1.0	<1.0	1.0
C20-C22	<1.0	<1.0	1.0
C22-C24	<1.0	<1.0	1.0
C24-C26	<1.0	<1.0	1.0
C26-C28	<1.0	<1.0	1.0
C28-C32	<1.0	<1.0	1.0
C32-C34	<1.0	<1.0	1.0
C34-C36	<1.0	<1.0	1.0
C36-C40	<1.0	<1.0	1.0
C40-C44	<1.0	<1.0	1.0
TPH (C6-C44)	<10	<10	10
Surrogates			**%REC Limits**
o-Terphenyl	87.6%	90.1%	50-150

Allen Aminian
QA/QC Manager

LABORATORY ANALYSIS RESULTS

Client:	Entrix, Inc.	**AA Project No:**	A192266
Project No:	41119010	**Date Received:**	04/08/08
Project Name:	Soboba Phase II, San Jacinto	**Date Reported:**	04/23/08
Method:	Total Metals CAM 17	**Units:**	mg/kg

Date Sampled:	04/08/08	04/08/08	04/08/08	04/08/08	
Date Prepared:	04/09/08	04/09/08	04/09/08	04/09/08	
Date Analyzed:	04/10/08	04/10/08	04/10/08	04/10/08	
AA ID No:	8D08004-01	8D08004-03	8D08004-05	8D08004-07	
Client ID No:	B1-6'-6.5'	B2-6'-6.5'	B3-6'-6.5'	B4-0'-0.5'	
Matrix:	Soil	Soil	Soil	Soil	
Dilution Factor:	1	1	1	1	MRL
CAM Metals Less Hg 6000/7000 (EPA 6010B/7000)					
Antimony	<10	<10	<10	<10	10
Arsenic	**0.80**	<0.50	<0.50	**0.85**	0.50
Barium	**160**	**98**	**220**	**160**	10
Beryllium	<1.0	<1.0	<1.0	<1.0	1.0
Cadmium	<1.0	<1.0	<1.0	<1.0	1.0
Chromium	**5.2**	<3.0	**8.7**	**6.5**	3.0
Cobalt	**4.6**	**3.2**	**6.0**	**5.8**	3.0
Copper	**3.3**	<3.0	**6.1**	**5.5**	3.0
Lead	**3.0**	<3.0	**3.9**	**4.2**	3.0
Molybdenum	<5.0	<5.0	<5.0	<5.0	5.0
Nickel	<3.0	<3.0	**3.9**	<3.0	3.0
Selenium	<0.50	<0.50	<0.50	<0.50	0.50
Silver	<1.0	<1.0	<1.0	<1.0	1.0
Thallium	<5.0	<5.0	<5.0	<5.0	5.0
Vanadium	**20**	**15**	**30**	**25**	10
Zinc	**42**	**27**	**48**	**53**	3.0

Allen Aminian
QA/QC Manager

AMERICAN ANALYTICS

LABORATORY ANALYSIS RESULTS

Client:	Entrix, Inc.	**AA Project No:**	A192266
Project No:	41119010	**Date Received:**	04/08/08
Project Name:	Soboba Phase II, San Jacinto	**Date Reported:**	04/23/08
Method:	Total Metals CAM 17	**Units:**	mg/kg

Date Sampled:	04/08/08	04/08/08	04/08/08	04/08/08	
Date Prepared:	04/09/08	04/09/08	04/09/08	04/09/08	
Date Analyzed:	04/10/08	04/10/08	04/10/08	04/10/08	
AA ID No:	8D08004-09	8D08004-11	8D08004-13	8D08004-15	
Client ID No:	B5-0'-0.5'	B6-0'-0.5'	B7-0'-0.5'	B8-0'-0.5'	
Matrix:	Soil	Soil	Soil	Soil	
Dilution Factor:	1	1	1	1	MRL
CAM Metals Less Hg 6000/7000 (EPA 6010B/7000)					
Antimony	<10	<10	<10	<10	10
Arsenic	<0.50	**2.4**	<0.50	**5.5**	0.50
Barium	**130**	**110**	**110**	**42**	10
Beryllium	<1.0	<1.0	<1.0	<1.0	1.0
Cadmium	<1.0	<1.0	<1.0	<1.0	1.0
Chromium	**5.5**	**13**	**5.0**	**9.2**	3.0
Cobalt	**4.4**	**4.9**	**4.3**	**3.3**	3.0
Copper	**5.6**	**7.5**	<3.0	**33**	3.0
Lead	**9.2**	**5.2**	<3.0	**5.9**	3.0
Molybdenum	<5.0	<5.0	<5.0	<5.0	5.0
Nickel	<3.0	**5.8**	<3.0	**7.9**	3.0
Selenium	<0.50	<0.50	<0.50	<0.50	0.50
Silver	<1.0	<1.0	<1.0	<1.0	1.0
Thallium	<5.0	<5.0	<5.0	<5.0	5.0
Vanadium	**21**	**31**	**18**	**17**	10
Zinc	**46**	**46**	**36**	**40**	3.0

Allen Aminian
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LABORATORY ANALYSIS RESULTS

Client:	Entrix, Inc.	**AA Project No:**	A192266
Project No:	41119010	**Date Received:**	04/08/08
Project Name:	Soboba Phase II, San Jacinto	**Date Reported:**	04/23/08
Method:	Total Metals CAM 17	**Units:**	mg/kg

Date Sampled:	04/08/08	04/08/08	04/08/08	04/08/08	
Date Prepared:	04/09/08	04/09/08	04/09/08	04/09/08	
Date Analyzed:	04/11/08	04/11/08	04/11/08	04/11/08	
AA ID No:	8D08004-17	8D08004-19	8D08004-21	8D08004-22	
Client ID No:	B9-0'-0.5'	B10-7.5'-8'	B11-3.5'-4'	B11-7.5'-8'	
Matrix:	Soil	Soil	Soil	Soil	
Dilution Factor:	1	1	1	1	MRL
CAM Metals Less Hg 6000/7000 (EPA 6010B/7000)					
Antimony	<10	<10	<10	<10	10
Arsenic	**2.8**	<0.50	<0.50	<0.50	0.50
Barium	**63**	**130**	**140**	**120**	10
Beryllium	<1.0	<1.0	<1.0	<1.0	1.0
Cadmium	<1.0	<1.0	<1.0	<1.0	1.0
Chromium	**8.5**	**6.1**	**5.6**	**7.0**	3.0
Cobalt	**3.6**	**4.7**	**5.9**	**4.7**	3.0
Copper	**35**	**5.0**	<3.0	**4.2**	3.0
Lead	**18**	<3.0	<3.0	**3.0**	3.0
Molybdenum	<5.0	<5.0	<5.0	<5.0	5.0
Nickel	**5.0**	<3.0	<3.0	<3.0	3.0
Selenium	<0.50	<0.50	<0.50	<0.50	0.50
Silver	<1.0	<1.0	<1.0	<1.0	1.0
Thallium	<5.0	<5.0	<5.0	<5.0	5.0
Vanadium	**20**	**20**	**23**	**22**	10
Zinc	**48**	**41**	**52**	**41**	3.0

Allen Aminian

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AMERICAN ANALYTICS

LABORATORY ANALYSIS RESULTS

Client:	Entrix, Inc.	**AA Project No:**	A192266
Project No:	41119010	**Date Received:**	04/08/08
Project Name:	Soboba Phase II, San Jacinto	**Date Reported:**	04/23/08
Method:	Total Metals CAM 17	**Units:**	mg/kg

Date Sampled:	04/08/08	04/08/08	04/08/08	04/08/08	
Date Prepared:	04/09/08	04/09/08	04/09/08	04/09/08	
Date Analyzed:	04/10/08	04/10/08	04/10/08	04/10/08	
AA ID No:	8D08004-01	8D08004-03	8D08004-05	8D08004-07	
Client ID No:	B1-6'-6.5'	B2-6'-6.5'	B3-6'-6.5'	B4-0'-0.5'	
Matrix:	Soil	Soil	Soil	Soil	
Dilution Factor:	1	1	1	1	MRL
Mercury Total EPA 7470A/7471A (EPA 7471A)					
Mercury	<0.020	<0.020	<0.020	<0.020	0.020

Allen Aminian
QA/QC Manager

LABORATORY ANALYSIS RESULTS

Client:	Entrix, Inc.	**AA Project No:**	A192266
Project No:	41119010	**Date Received:**	04/08/08
Project Name:	Soboba Phase II, San Jacinto	**Date Reported:**	04/23/08
Method:	Total Metals CAM 17	**Units:**	mg/kg

Date Sampled:	04/08/08	04/08/08	04/08/08	04/08/08	
Date Prepared:	04/09/08	04/09/08	04/09/08	04/09/08	
Date Analyzed:	04/10/08	04/10/08	04/10/08	04/10/08	
AA ID No:	8D08004-09	8D08004-11	8D08004-13	8D08004-15	
Client ID No:	B5-0'-0.5'	B6-0'-0.5'	B7-0'-0.5'	B8-0'-0.5'	
Matrix:	Soil	Soil	Soil	Soil	
Dilution Factor:	1	1	1	1	MRL
Mercury Total EPA 7470A/7471A (EPA 7471A)					
Mercury	<0.020	<0.020	<0.020	**0.39**	0.020

Allen Aminian
QA/QC Manager

LABORATORY ANALYSIS RESULTS

Client:	Entrix, Inc.	**AA Project No:**	A192266
Project No:	41119010	**Date Received:**	04/08/08
Project Name:	Soboba Phase II, San Jacinto	**Date Reported:**	04/23/08
Method:	Total Metals CAM 17	**Units:**	mg/kg

Date Sampled:	04/08/08	04/08/08	04/08/08	04/08/08	
Date Prepared:	04/09/08	04/09/08	04/09/08	04/09/08	
Date Analyzed:	04/10/08	04/10/08	04/10/08	04/10/08	
AA ID No:	8D08004-17	8D08004-19	8D08004-21	8D08004-22	
Client ID No:	B9-0'-0.5'	B10-7.5'-8'	B11-3.5'-4'	B11-7.5'-8'	
Matrix:	Soil	Soil	Soil	Soil	
Dilution Factor:	1	1	1	1	MRL
Mercury Total EPA 7470A/7471A (EPA 7471A)					
Mercury	**0.17**	<0.020	<0.020	<0.020	0.020

Allen Aminian
QA/QC Manager

LABORATORY ANALYSIS RESULTS

Client: Entrix, Inc.
Project No: 41119010
Project Name: Soboba Phase II, San Jacinto

AA Project No: A192266
Date Received: 04/08/08
Date Reported: 04/23/08

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Organochlorine Pesticides by GC EPA 8081A - Quality Control										
Batch B8D1110 - EPA 3550B										
Blank (B8D1110-BLK1)				Prepared: 04/11/08 Analyzed: 04/14/08						
4,4´-DDD	<4.0	4.0	ug/kg							
4,4´-DDE	<4.0	4.0	ug/kg							
4,4´-DDT	<4.0	4.0	ug/kg							
Aldrin	<2.0	2.0	ug/kg							
beta-BHC	<2.0	2.0	ug/kg							
delta-BHC	<2.0	2.0	ug/kg							
alpha-BHC	<2.0	2.0	ug/kg							
gamma-BHC (Lindane)	<4.0	4.0	ug/kg							
gamma-Chlordane	<4.0	4.0	ug/kg							
alpha-Chlordane	<4.0	4.0	ug/kg							
Chlordane	<20	20	ug/kg							
Dieldrin	<4.0	4.0	ug/kg							
Endosulfan I	<2.0	2.0	ug/kg							
Endosulfan II	<4.0	4.0	ug/kg							
Endosulfan sulfate	<4.0	4.0	ug/kg							
Endrin	<4.0	4.0	ug/kg							
Endrin aldehyde	<4.0	4.0	ug/kg							
Endrin ketone	<4.0	4.0	ug/kg							
Heptachlor	<2.0	2.0	ug/kg							
Heptachlor epoxide	<2.0	2.0	ug/kg							
Methoxychlor	<20	20	ug/kg							
Toxaphene	<100	100	ug/kg							
Surrogate: Tetrachloro-meta-xylene	*4.87*		*ug/kg*	*5.0*		*97.4*	*50-150*			
LCS (B8D1110-BS1)				Prepared: 04/11/08 Analyzed: 04/14/08						
4,4´-DDD	**4.09**	4.0	ug/kg	5.0		81.8	60-140			
4,4´-DDE	**3.53**	4.0	ug/kg	5.0		70.6	60-140			
4,4´-DDT	**4.21**	4.0	ug/kg	5.0		84.2	60-140			
Aldrin	**3.56**	2.0	ug/kg	5.0		71.2	60-140			
beta-BHC	**3.15**	2.0	ug/kg	5.0		63.0	60-140			
delta-BHC	**4.18**	2.0	ug/kg	5.0		83.6	60-140			
alpha-BHC	**3.78**	2.0	ug/kg	5.0		75.6	60-140			

Allen Aminian
QA/QC Manager

AMERICAN ANALYTICS

LABORATORY ANALYSIS RESULTS

Client: Entrix, Inc.
Project No: 41119010
Project Name: Soboba Phase II, San Jacinto

AA Project No: A192266
Date Received: 04/08/08
Date Reported: 04/23/08

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Organochlorine Pesticides by GC EPA 8081A - Quality Control										
Batch B8D1110 - EPA 3550B										
LCS (B8D1110-BS1) Continued				Prepared: 04/11/08 Analyzed: 04/14/08						
gamma-BHC (Lindane)	**3.85**	4.0	ug/kg	5.0		77.0	60-140			
gamma-Chlordane	**3.74**	4.0	ug/kg	5.0		74.8	60-140			
alpha-Chlordane	**3.67**	4.0	ug/kg	5.0		73.4	60-140			
Dieldrin	**3.78**	4.0	ug/kg	5.0		75.6	60-140			
Endosulfan I	**3.59**	2.0	ug/kg	5.0		71.8	60-140			
Endosulfan II	**4.12**	4.0	ug/kg	5.0		82.4	60-140			
Endosulfan sulfate	**4.83**	4.0	ug/kg	5.0		96.6	60-140			
Endrin	**3.98**	4.0	ug/kg	5.0		79.6	60-140			
Endrin aldehyde	**4.73**	4.0	ug/kg	5.0		94.6	60-140			
Endrin ketone	**4.95**	4.0	ug/kg	5.0		99.0	60-140			
Heptachlor	**3.88**	2.0	ug/kg	5.0		77.6	60-140			
Heptachlor epoxide	**3.49**	2.0	ug/kg	5.0		69.8	60-140			
Methoxychlor	**5.44**	20	ug/kg	5.0		109	60-140			
Surrogate: Tetrachloro-meta-xylene	*4.04*		*ug/kg*	*5.0*		*80.8*	*50-150*			
LCS Dup (B8D1110-BSD1)				Prepared: 04/11/08 Analyzed: 04/14/08						
4,4´-DDD	**4.42**	4.0	ug/kg	5.0		88.4	60-140	7.76	40	
4,4´-DDE	**3.64**	4.0	ug/kg	5.0		72.8	60-140	3.07	40	
4,4´-DDT	**4.46**	4.0	ug/kg	5.0		89.2	60-140	5.77	40	
Aldrin	**4.04**	2.0	ug/kg	5.0		80.8	60-140	12.6	40	
beta-BHC	**3.54**	2.0	ug/kg	5.0		70.8	60-140	11.7	40	
delta-BHC	**4.72**	2.0	ug/kg	5.0		94.4	60-140	12.1	40	
alpha-BHC	**4.32**	2.0	ug/kg	5.0		86.4	60-140	13.3	40	
gamma-BHC (Lindane)	**4.36**	4.0	ug/kg	5.0		87.2	60-140	12.4	40	
gamma-Chlordane	**4.01**	4.0	ug/kg	5.0		80.1	60-140	6.87	40	
alpha-Chlordane	**3.86**	4.0	ug/kg	5.0		77.2	60-140	5.05	40	
Dieldrin	**3.95**	4.0	ug/kg	5.0		79.0	60-140	4.40	40	
Endosulfan I	**3.88**	2.0	ug/kg	5.0		77.6	60-140	7.76	40	
Endosulfan II	**4.50**	4.0	ug/kg	5.0		90.0	60-140	8.82	40	
Endosulfan sulfate	**5.24**	4.0	ug/kg	5.0		105	60-140	8.14	40	
Endrin	**4.27**	4.0	ug/kg	5.0		85.4	60-140	7.03	40	
Endrin aldehyde	**5.10**	4.0	ug/kg	5.0		102	60-140	7.45	40	

Allen A

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LABORATORY ANALYSIS RESULTS

Client: Entrix, Inc.
Project No: 41119010
Project Name: Soboba Phase II, San Jacinto

AA Project No: A192266
Date Received: 04/08/08
Date Reported: 04/23/08

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Organochlorine Pesticides by GC EPA 8081A - Quality Control										
Batch B8D1110 - EPA 3550B										
LCS Dup (B8D1110-BSD1) Continued				Prepared: 04/11/08 Analyzed: 04/14/08						
Endrin ketone	**5.58**	4.0	ug/kg	5.0		112	60-140	12.0	40	
Heptachlor	**4.44**	2.0	ug/kg	5.0		88.8	60-140	13.5	40	
Heptachlor epoxide	**3.96**	2.0	ug/kg	5.0		79.2	60-140	12.6	40	
Methoxychlor	**6.05**	20	ug/kg	5.0		121	60-140	10.6	40	
Surrogate: Tetrachloro-meta-xylene	*4.86*		*ug/kg*	*5.0*		*97.2*	*50-150*			
Herbicides by EPA 8151A - Quality Control										
Batch B8D1701 - EPA 3550B										
Blank (B8D1701-BLK1)				Prepared: 04/11/08 Analyzed: 04/14/08						*
Dalapon	<5.5	5.5	ug/kg							
Dicamba	<1.5	1.5	ug/kg							
Dichloroprop	<1.5	1.5	ug/kg							
Dinoseb	<2.0	2.0	ug/kg							
MCPA	<250	250	ug/kg							
MCPP	<250	250	ug/kg							
4-Nitrophenol	<6.0	6.0	ug/kg							
Pentachlorophenol	<1.0	1.0	ug/kg							
2,4-D	<2.0	2.0	ug/kg							
2,4-DB	<5.0	5.0	ug/kg							
2,4,5-T	<2.0	2.0	ug/kg							
2,4,5-TP (Silvex)	<2.0	2.0	ug/kg							
Surrogate: DCAA	*5.15*		*ug/kg*	*5.0*		*103*	*43-169*			
LCS (B8D1701-BS1)				Prepared: 04/11/08 Analyzed: 04/14/08						*
2,4-D	**8.30**	2.0	ug/kg	10		83.0	50-180			
2,4,5-T	**9.30**	2.0	ug/kg	10		93.0	68-160			
2,4,5-TP (Silvex)	**8.40**	2.0	ug/kg	10		84.0	42-180			
Surrogate: DCAA	*8.30*		*ug/kg*	*5.0*		*166*	*43-169*			
LCS Dup (B8D1701-BSD1)				Prepared: 04/11/08 Analyzed: 04/14/08						*
2,4-D	**8.30**	2.0	ug/kg	10		83.0	50-180	0.00	30	
2,4,5-T	**9.30**	2.0	ug/kg	10		93.0	68-160	0.00	30	
2,4,5-TP (Silvex)	**8.40**	2.0	ug/kg	10		84.0	42-180	0.00	30	

Allen A

Allen Aminian
QA/QC Manager

LABORATORY ANALYSIS RESULTS

Client: Entrix, Inc.
Project No: 41119010
Project Name: Soboba Phase II, San Jacinto

AA Project No: A192266
Date Received: 04/08/08
Date Reported: 04/23/08

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Herbicides by EPA 8151A - Quality Control										
Batch B8D1701 - EPA 3550B										
LCS Dup (B8D1701-BSD1) Continued				Prepared: 04/11/08 Analyzed: 04/14/08						*
Surrogate: DCAA	*8.25*		*ug/kg*	*5.0*		*165*	*43-169*			
VOCs by GC/MS - Quality Control										
Batch B8D1008 - EPA 5030B										
Blank (B8D1008-BLK1)				Prepared & Analyzed: 04/10/08						
Acetone	<50	50	ug/kg							
Benzene	<2.0	2.0	ug/kg							
Bromobenzene	<5.0	5.0	ug/kg							
Bromochloromethane	<5.0	5.0	ug/kg							
Bromodichloromethane	<5.0	5.0	ug/kg							
Bromoform	<5.0	5.0	ug/kg							
Bromomethane	<5.0	5.0	ug/kg							
2-Butanone (MEK)	<50	50	ug/kg							
sec-Butylbenzene	<5.0	5.0	ug/kg							
n-Butylbenzene	<5.0	5.0	ug/kg							
tert-Butylbenzene	<5.0	5.0	ug/kg							
Carbon Disulfide	<5.0	5.0	ug/kg							
Carbon Tetrachloride	<5.0	5.0	ug/kg							
Chlorobenzene	<5.0	5.0	ug/kg							
Chloroethane	<5.0	5.0	ug/kg							
Chloroform	<5.0	5.0	ug/kg							
Chloromethane	<5.0	5.0	ug/kg							
4-Chlorotoluene	<5.0	5.0	ug/kg							
2-Chlorotoluene	<5.0	5.0	ug/kg							
1,2-Dibromo-3-chloropropane	<10	10	ug/kg							
Dibromochloromethane	<5.0	5.0	ug/kg							
1,2-Dibromoethane (EDB)	<5.0	5.0	ug/kg							
Dibromomethane	<5.0	5.0	ug/kg							
1,3-Dichlorobenzene	<5.0	5.0	ug/kg							
1,2-Dichlorobenzene	<5.0	5.0	ug/kg							
1,4-Dichlorobenzene	<5.0	5.0	ug/kg							
Dichlorodifluoromethane (R12)	<5.0	5.0	ug/kg							

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Allen Aminian
QA/QC Manager

LABORATORY ANALYSIS RESULTS

Client: Entrix, Inc.
Project No: 41119010
Project Name: Soboba Phase II, San Jacinto

AA Project No: A192266
Date Received: 04/08/08
Date Reported: 04/23/08

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs by GC/MS - Quality Control										
Batch B8D1008 - EPA 5030B										
Blank (B8D1008-BLK1) Continued				Prepared & Analyzed: 04/10/08						
1,1-Dichloroethane	<5.0	5.0	ug/kg							
1,2-Dichloroethane (EDC)	<5.0	5.0	ug/kg							
1,1-Dichloroethylene	<5.0	5.0	ug/kg							
trans-1,2-Dichloroethylene	<5.0	5.0	ug/kg							
cis-1,2-Dichloroethylene	<5.0	5.0	ug/kg							
2,2-Dichloropropane	<5.0	5.0	ug/kg							
1,2-Dichloropropane	<5.0	5.0	ug/kg							
1,3-Dichloropropane	<5.0	5.0	ug/kg							
1,1-Dichloropropylene	<5.0	5.0	ug/kg							
cis-1,3-Dichloropropylene	<5.0	5.0	ug/kg							
trans-1,3-Dichloropropylene	<5.0	5.0	ug/kg							
Ethylbenzene	<2.0	2.0	ug/kg							
Hexachlorobutadiene	<10	10	ug/kg							
2-Hexanone (MBK)	<50	50	ug/kg							
Isopropylbenzene	<5.0	5.0	ug/kg							
4-Isopropyltoluene	<5.0	5.0	ug/kg							
Methyl-tert-Butyl Ether (MTBE)	<5.0	5.0	ug/kg							
Methylene Chloride	<50	50	ug/kg							
4-Methyl-2-pentanone (MIBK)	<50	50	ug/kg							
Naphthalene	<10	10	ug/kg							
n-Propylbenzene	<5.0	5.0	ug/kg							
Styrene	<5.0	5.0	ug/kg							
1,1,2,2-Tetrachloroethane	<5.0	5.0	ug/kg							
1,1,1,2-Tetrachloroethane	<5.0	5.0	ug/kg							
Tetrachloroethylene (PCE)	<5.0	5.0	ug/kg							
Toluene	<2.0	2.0	ug/kg							
1,2,4-Trichlorobenzene	<5.0	5.0	ug/kg							
1,2,3-Trichlorobenzene	<5.0	5.0	ug/kg							
1,1,2-Trichloroethane	<5.0	5.0	ug/kg							
1,1,1-Trichloroethane	<5.0	5.0	ug/kg							
Trichloroethylene (TCE)	<5.0	5.0	ug/kg							
Trichlorofluoromethane (R11)	<5.0	5.0	ug/kg							

Allen A

Allen Aminian
QA/QC Manager

LABORATORY ANALYSIS RESULTS

Client: Entrix, Inc.
Project No: 41119010
Project Name: Soboba Phase II, San Jacinto

AA Project No: A192266
Date Received: 04/08/08
Date Reported: 04/23/08

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs by GC/MS - Quality Control										
Batch B8D1008 - EPA 5030B										
Blank (B8D1008-BLK1) Continued				Prepared & Analyzed: 04/10/08						
1,2,3-Trichloropropane	<5.0	5.0	ug/kg							
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	<5.0	5.0	ug/kg							
1,2,4-Trimethylbenzene	<5.0	5.0	ug/kg							
1,3,5-Trimethylbenzene	<5.0	5.0	ug/kg							
Vinyl chloride	<5.0	5.0	ug/kg							
o-Xylene	<2.0	2.0	ug/kg							
m,p-Xylenes	<2.0	2.0	ug/kg							
Surrogate: 4-Bromofluorobenzene	*103*		*ug/kg*	*100*		*103*	*70-140*			
Surrogate: Dibromofluoromethane	*102*		*ug/kg*	*100*		*102*	*70-140*			
Surrogate: Toluene-d8	*109*		*ug/kg*	*100*		*109*	*70-140*			
LCS (B8D1008-BS1)				Prepared & Analyzed: 04/10/08						
Benzene	**47.2**	2.0	ug/kg	40		118	75-125			
Bromodichloromethane	**49.6**	5.0	ug/kg	40		124	75-125			
Bromoform	**43.9**	5.0	ug/kg	40		110	75-125			
Carbon Tetrachloride	**44.0**	5.0	ug/kg	40		110	75-125			
Chlorobenzene	**41.7**	5.0	ug/kg	40		104	75-125			
Chloroethane	**40.3**	5.0	ug/kg	40		101	75-125			
Chloroform	**49.6**	5.0	ug/kg	40		124	75-125			
Chloromethane	**43.2**	5.0	ug/kg	40		108	65-125			
Dibromochloromethane	**44.0**	5.0	ug/kg	40		110	75-125			
1,4-Dichlorobenzene	**39.2**	5.0	ug/kg	40		97.9	75-125			
1,1-Dichloroethane	**42.6**	5.0	ug/kg	40		106	70-125			
1,2-Dichloroethane (EDC)	**44.8**	5.0	ug/kg	40		112	75-125			
1,1-Dichloroethylene	**40.5**	5.0	ug/kg	40		101	70-130			
trans-1,2-Dichloroethylene	**42.0**	5.0	ug/kg	40		105	75-125			
cis-1,2-Dichloroethylene	**43.5**	5.0	ug/kg	40		109	75-125			
1,2-Dichloropropane	**42.9**	5.0	ug/kg	40		107	75-130			
cis-1,3-Dichloropropylene	**48.4**	5.0	ug/kg	40		121	75-125			
Ethylbenzene	**46.7**	2.0	ug/kg	40		117	75-125			
Methyl-tert-Butyl Ether (MTBE)	**44.1**	5.0	ug/kg	40		110	75-125			

Allen Aminian
QA/QC Manager

LABORATORY ANALYSIS RESULTS

Client: Entrix, Inc.
Project No: 41119010
Project Name: Soboba Phase II, San Jacinto

AA Project No: A192266
Date Received: 04/08/08
Date Reported: 04/23/08

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs by GC/MS - Quality Control										
Batch B8D1008 - EPA 5030B										
LCS (B8D1008-BS1) Continued				Prepared & Analyzed: 04/10/08						
Methylene Chloride	**44.9**	50	ug/kg	40		112	75-130			
1,1,2,2-Tetrachloroethane	**49.8**	5.0	ug/kg	40		125	70-135			
Tetrachloroethylene (PCE)	**43.7**	5.0	ug/kg	40		109	75-125			
Toluene	**44.7**	2.0	ug/kg	40		112	75-125			
1,1,2-Trichloroethane	**50.3**	5.0	ug/kg	40		126	75-125			
1,1,1-Trichloroethane	**47.4**	5.0	ug/kg	40		118	75-125			
Trichloroethylene (TCE)	**44.9**	5.0	ug/kg	40		112	75-125			
Vinyl chloride	**41.6**	5.0	ug/kg	40		104	75-125			
o-Xylene	**42.3**	2.0	ug/kg	40		106	75-125			
Surrogate: 4-Bromofluorobenzene	*105*		*ug/kg*	*100*		*105*	*70-140*			
Surrogate: Dibromofluoromethane	*104*		*ug/kg*	*100*		*104*	*70-140*			
Surrogate: Toluene-d8	*108*		*ug/kg*	*100*		*108*	*70-140*			
Matrix Spike (B8D1008-MS1)		**Source: 8D08004-01**		Prepared & Analyzed: 04/10/08						
Benzene	**47.7**	2.0	ug/kg	40	<2.0	119	70-130			
Bromoform	**46.1**	5.0	ug/kg	40	<5.0	115	70-130			
Chlorobenzene	**43.9**	5.0	ug/kg	40	<5.0	110	70-130			
Chloroform	**50.8**	5.0	ug/kg	40	<5.0	127	70-130			
1,1-Dichloroethane	**44.5**	5.0	ug/kg	40	<5.0	111	70-130			
1,1-Dichloroethylene	**40.9**	5.0	ug/kg	40	<5.0	102	70-130			
cis-1,2-Dichloroethylene	**45.6**	5.0	ug/kg	40	<5.0	114	70-130			
1,2-Dichloropropane	**45.7**	5.0	ug/kg	40	<5.0	114	70-130			
Ethylbenzene	**47.8**	2.0	ug/kg	40	<2.0	120	70-130			
Methyl-tert-Butyl Ether (MTBE)	**46.9**	5.0	ug/kg	40	<5.0	117	70-130			
n-Propylbenzene	**43.6**	5.0	ug/kg	40	<5.0	109	70-130			
Tetrachloroethylene (PCE)	**44.8**	5.0	ug/kg	40	<5.0	112	70-130			
Toluene	**46.1**	2.0	ug/kg	40	<2.0	115	70-130			
1,1,1-Trichloroethane	**47.3**	5.0	ug/kg	40	<5.0	118	70-130			
Trichloroethylene (TCE)	**58.3**	5.0	ug/kg	40	<5.0	146	70-130			QM-07
1,3,5-Trimethylbenzene	**42.9**	5.0	ug/kg	40	<5.0	107	70-130			
Vinyl chloride	**39.8**	5.0	ug/kg	40	<5.0	99.6	70-130			
Surrogate: 4-Bromofluorobenzene	*107*		*ug/kg*	*100*		*107*	*70-140*			

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QA/QC Manager

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LABORATORY ANALYSIS RESULTS

Client: Entrix, Inc.
Project No: 41119010
Project Name: Soboba Phase II, San Jacinto

AA Project No: A192266
Date Received: 04/08/08
Date Reported: 04/23/08

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs by GC/MS - Quality Control										
Batch B8D1008 - EPA 5030B										
Matrix Spike (B8D1008-MS1) Continued Source: 8D08004-01				Prepared & Analyzed: 04/10/08						
Surrogate: Dibromofluoromethane	*96.2*		*ug/kg*	*100*		*96.2*	*70-140*			
Surrogate: Toluene-d8	*106*		*ug/kg*	*100*		*106*	*70-140*			
Matrix Spike Dup (B8D1008-MSD1) Source: 8D08004-01				Prepared & Analyzed: 04/10/08						
Benzene	**45.5**	2.0	ug/kg	40	<2.0	114	70-130	4.59	40	
Bromoform	**41.4**	5.0	ug/kg	40	<5.0	103	70-130	10.8	40	
Chlorobenzene	**40.1**	5.0	ug/kg	40	<5.0	100	70-130	9.01	40	
Chloroform	**48.5**	5.0	ug/kg	40	<5.0	121	70-130	4.67	40	
1,1-Dichloroethane	**43.1**	5.0	ug/kg	40	<5.0	108	70-130	3.29	40	
1,1-Dichloroethylene	**38.9**	5.0	ug/kg	40	<5.0	97.3	70-130	5.06	40	
cis-1,2-Dichloroethylene	**41.9**	5.0	ug/kg	40	<5.0	105	70-130	8.50	40	
1,2-Dichloropropane	**44.7**	5.0	ug/kg	40	<5.0	112	70-130	2.21	40	
Ethylbenzene	**43.1**	2.0	ug/kg	40	<2.0	108	70-130	10.5	40	
Methyl-tert-Butyl Ether (MTBE)	**44.7**	5.0	ug/kg	40	<5.0	112	70-130	4.67	40	
n-Propylbenzene	**40.4**	5.0	ug/kg	40	<5.0	101	70-130	7.43	40	
Tetrachloroethylene (PCE)	**40.5**	5.0	ug/kg	40	<5.0	101	70-130	10.1	40	
Toluene	**41.9**	2.0	ug/kg	40	<2.0	105	70-130	9.55	40	
1,1,1-Trichloroethane	**46.4**	5.0	ug/kg	40	<5.0	116	70-130	1.88	40	
Trichloroethylene (TCE)	**59.4**	5.0	ug/kg	40	<5.0	149	70-130	1.94	40	QM-07
1,3,5-Trimethylbenzene	**40.7**	5.0	ug/kg	40	<5.0	102	70-130	5.26	40	
Vinyl chloride	**38.9**	5.0	ug/kg	40	<5.0	97.4	70-130	2.23	40	
Surrogate: 4-Bromofluorobenzene	*106*		*ug/kg*	*100*		*106*	*70-140*			
Surrogate: Dibromofluoromethane	*96.1*		*ug/kg*	*100*		*96.1*	*70-140*			
Surrogate: Toluene-d8	*102*		*ug/kg*	*100*		*102*	*70-140*			
Batch B8D1102 - EPA 5030B										
Blank (B8D1102-BLK1)				Prepared & Analyzed: 04/11/08						
Acetone	<50	50	ug/kg							
Benzene	<2.0	2.0	ug/kg							
Bromobenzene	<5.0	5.0	ug/kg							
Bromochloromethane	<5.0	5.0	ug/kg							
Bromodichloromethane	<5.0	5.0	ug/kg							
Bromoform	<5.0	5.0	ug/kg							

Allen Aminian
QA/QC Manager

LABORATORY ANALYSIS RESULTS

Client: Entrix, Inc.
Project No: 41119010
Project Name: Soboba Phase II, San Jacinto

AA Project No: A192266
Date Received: 04/08/08
Date Reported: 04/23/08

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs by GC/MS - Quality Control										
Batch B8D1102 - EPA 5030B										
Blank (B8D1102-BLK1) Continued				Prepared & Analyzed: 04/11/08						
Bromomethane	<5.0	5.0	ug/kg							
2-Butanone (MEK)	<50	50	ug/kg							
sec-Butylbenzene	<5.0	5.0	ug/kg							
n-Butylbenzene	<5.0	5.0	ug/kg							
tert-Butylbenzene	<5.0	5.0	ug/kg							
Carbon Disulfide	<5.0	5.0	ug/kg							
Carbon Tetrachloride	<5.0	5.0	ug/kg							
Chlorobenzene	<5.0	5.0	ug/kg							
Chloroethane	<5.0	5.0	ug/kg							
Chloroform	<5.0	5.0	ug/kg							
Chloromethane	<5.0	5.0	ug/kg							
4-Chlorotoluene	<5.0	5.0	ug/kg							
2-Chlorotoluene	<5.0	5.0	ug/kg							
1,2-Dibromo-3-chloropropane	<10	10	ug/kg							
Dibromochloromethane	<5.0	5.0	ug/kg							
1,2-Dibromoethane (EDB)	<5.0	5.0	ug/kg							
Dibromomethane	<5.0	5.0	ug/kg							
1,3-Dichlorobenzene	<5.0	5.0	ug/kg							
1,2-Dichlorobenzene	<5.0	5.0	ug/kg							
1,4-Dichlorobenzene	<5.0	5.0	ug/kg							
Dichlorodifluoromethane (R12)	<5.0	5.0	ug/kg							
1,1-Dichloroethane	<5.0	5.0	ug/kg							
1,2-Dichloroethane (EDC)	<5.0	5.0	ug/kg							
1,1-Dichloroethylene	<5.0	5.0	ug/kg							
trans-1,2-Dichloroethylene	<5.0	5.0	ug/kg							
cis-1,2-Dichloroethylene	<5.0	5.0	ug/kg							
2,2-Dichloropropane	<5.0	5.0	ug/kg							
1,2-Dichloropropane	<5.0	5.0	ug/kg							
1,3-Dichloropropane	<5.0	5.0	ug/kg							
1,1-Dichloropropylene	<5.0	5.0	ug/kg							
cis-1,3-Dichloropropylene	<5.0	5.0	ug/kg							
trans-1,3-Dichloropropylene	<5.0	5.0	ug/kg							

Allen A

Allen Aminian
QA/QC Manager

AMERICAN ANALYTICS

LABORATORY ANALYSIS RESULTS

Client: Entrix, Inc.
Project No: 41119010
Project Name: Soboba Phase II, San Jacinto

AA Project No: A192266
Date Received: 04/08/08
Date Reported: 04/23/08

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs by GC/MS - Quality Control										
Batch B8D1102 - EPA 5030B										
Blank (B8D1102-BLK1) Continued				Prepared & Analyzed: 04/11/08						
Ethylbenzene	<2.0	2.0	ug/kg							
Hexachlorobutadiene	<10	10	ug/kg							
2-Hexanone (MBK)	<50	50	ug/kg							
Isopropylbenzene	<5.0	5.0	ug/kg							
4-Isopropyltoluene	<5.0	5.0	ug/kg							
Methyl-tert-Butyl Ether (MTBE)	<5.0	5.0	ug/kg							
Methylene Chloride	<50	50	ug/kg							
4-Methyl-2-pentanone (MIBK)	<50	50	ug/kg							
Naphthalene	<10	10	ug/kg							
n-Propylbenzene	<5.0	5.0	ug/kg							
Styrene	<5.0	5.0	ug/kg							
1,1,2,2-Tetrachloroethane	<5.0	5.0	ug/kg							
1,1,1,2-Tetrachloroethane	<5.0	5.0	ug/kg							
Tetrachloroethylene (PCE)	<5.0	5.0	ug/kg							
Toluene	<2.0	2.0	ug/kg							
1,2,4-Trichlorobenzene	<5.0	5.0	ug/kg							
1,2,3-Trichlorobenzene	<5.0	5.0	ug/kg							
1,1,2-Trichloroethane	<5.0	5.0	ug/kg							
1,1,1-Trichloroethane	<5.0	5.0	ug/kg							
Trichloroethylene (TCE)	<5.0	5.0	ug/kg							
Trichlorofluoromethane (R11)	<5.0	5.0	ug/kg							
1,2,3-Trichloropropane	<5.0	5.0	ug/kg							
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	<5.0	5.0	ug/kg							
1,2,4-Trimethylbenzene	<5.0	5.0	ug/kg							
1,3,5-Trimethylbenzene	<5.0	5.0	ug/kg							
Vinyl chloride	<5.0	5.0	ug/kg							
o-Xylene	<2.0	2.0	ug/kg							
m,p-Xylenes	<2.0	2.0	ug/kg							
Surrogate: 4-Bromofluorobenzene	*112*		*ug/kg*	*100*		*112*	*70-140*			
Surrogate: Dibromofluoromethane	*120*		*ug/kg*	*100*		*120*	*70-140*			

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Allen Aminian
QA/QC Manager

LABORATORY ANALYSIS RESULTS

Client: Entrix, Inc.
Project No: 41119010
Project Name: Soboba Phase II, San Jacinto

AA Project No: A192266
Date Received: 04/08/08
Date Reported: 04/23/08

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs by GC/MS - Quality Control										
Batch B8D1102 - EPA 5030B										
Blank (B8D1102-BLK1) Continued				Prepared & Analyzed: 04/11/08						
Surrogate: Toluene-d8	*101*		*ug/kg*	*100*		*101*	*70-140*			
LCS (B8D1102-BS1)				Prepared & Analyzed: 04/11/08						
Benzene	**48.2**	2.0	ug/kg	40		120	75-125			
Bromodichloromethane	**49.6**	5.0	ug/kg	40		124	75-125			
Bromoform	**37.6**	5.0	ug/kg	40		94.1	75-125			
Carbon Tetrachloride	**43.9**	5.0	ug/kg	40		110	75-125			
Chlorobenzene	**40.9**	5.0	ug/kg	40		102	75-125			
Chloroethane	**41.0**	5.0	ug/kg	40		102	75-125			
Chloroform	**46.6**	5.0	ug/kg	40		117	75-125			
Chloromethane	**40.8**	5.0	ug/kg	40		102	65-125			
Dibromochloromethane	**39.4**	5.0	ug/kg	40		98.4	75-125			
1,4-Dichlorobenzene	**40.4**	5.0	ug/kg	40		101	75-125			
1,1-Dichloroethane	**42.8**	5.0	ug/kg	40		107	70-125			
1,2-Dichloroethane (EDC)	**41.5**	5.0	ug/kg	40		104	75-125			
1,1-Dichloroethylene	**44.0**	5.0	ug/kg	40		110	70-130			
trans-1,2-Dichloroethylene	**46.5**	5.0	ug/kg	40		116	75-125			
cis-1,2-Dichloroethylene	**47.7**	5.0	ug/kg	40		119	75-125			
1,2-Dichloropropane	**45.9**	5.0	ug/kg	40		115	75-130			
cis-1,3-Dichloropropylene	**52.1**	5.0	ug/kg	40		130	75-125			
Ethylbenzene	**43.5**	2.0	ug/kg	40		109	75-125			
Methyl-tert-Butyl Ether (MTBE)	**45.9**	5.0	ug/kg	40		115	75-125			
Methylene Chloride	**52.4**	50	ug/kg	40		131	75-130			
1,1,2,2-Tetrachloroethane	**48.2**	5.0	ug/kg	40		121	70-135			
Tetrachloroethylene (PCE)	**36.2**	5.0	ug/kg	40		90.6	75-125			
Toluene	**42.4**	2.0	ug/kg	40		106	75-125			
1,1,2-Trichloroethane	**46.6**	5.0	ug/kg	40		116	75-125			
1,1,1-Trichloroethane	**45.1**	5.0	ug/kg	40		113	75-125			
Trichloroethylene (TCE)	**47.7**	5.0	ug/kg	40		119	75-125			
Vinyl chloride	**41.3**	5.0	ug/kg	40		103	75-125			
o-Xylene	**39.0**	2.0	ug/kg	40		97.6	75-125			
Surrogate: 4-Bromofluorobenzene	*113*		*ug/kg*	*100*		*113*	*70-140*			

Allen Aminian
QA/QC Manager

LABORATORY ANALYSIS RESULTS

Client: Entrix, Inc.
Project No: 41119010
Project Name: Soboba Phase II, San Jacinto

AA Project No: A192266
Date Received: 04/08/08
Date Reported: 04/23/08

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs by GC/MS - Quality Control										
Batch B8D1102 - EPA 5030B										
LCS (B8D1102-BS1) Continued				Prepared & Analyzed: 04/11/08						
Surrogate: Dibromofluoromethane	*113*		*ug/kg*	*100*		*113*	*70-140*			
Surrogate: Toluene-d8	*103*		*ug/kg*	*100*		*103*	*70-140*			
Matrix Spike (B8D1102-MS1)		**Source: 8D10001-02**		Prepared: 04/11/08	Analyzed: 04/12/08					
Benzene	**45.3**	2.0	ug/kg	40	<2.0	113	70-130			
Bromoform	**32.9**	5.0	ug/kg	40	<5.0	82.2	70-130			
Chlorobenzene	**38.3**	5.0	ug/kg	40	<5.0	95.8	70-130			
Chloroform	**44.6**	5.0	ug/kg	40	<5.0	111	70-130			
1,1-Dichloroethane	**42.0**	5.0	ug/kg	40	<5.0	105	70-130			
1,1-Dichloroethylene	**43.0**	5.0	ug/kg	40	<5.0	107	70-130			
cis-1,2-Dichloroethylene	**45.5**	5.0	ug/kg	40	<5.0	114	70-130			
1,2-Dichloropropane	**42.5**	5.0	ug/kg	40	<5.0	106	70-130			
Ethylbenzene	**40.5**	2.0	ug/kg	40	<2.0	101	70-130			
Methyl-tert-Butyl Ether (MTBE)	**35.7**	5.0	ug/kg	40	<5.0	89.3	70-130			
n-Propylbenzene	**45.9**	5.0	ug/kg	40	<5.0	115	70-130			
Tetrachloroethylene (PCE)	**34.7**	5.0	ug/kg	40	<5.0	86.8	70-130			
Toluene	**39.6**	2.0	ug/kg	40	<2.0	99.1	70-130			
1,1,1-Trichloroethane	**43.8**	5.0	ug/kg	40	<5.0	110	70-130			
Trichloroethylene (TCE)	**46.5**	5.0	ug/kg	40	<5.0	116	70-130			
1,3,5-Trimethylbenzene	**39.7**	5.0	ug/kg	40	<5.0	99.2	70-130			
Vinyl chloride	**39.2**	5.0	ug/kg	40	<5.0	98.0	70-130			
Surrogate: 4-Bromofluorobenzene	*112*		*ug/kg*	*100*		*112*	*70-140*			
Surrogate: Dibromofluoromethane	*112*		*ug/kg*	*100*		*112*	*70-140*			
Surrogate: Toluene-d8	*103*		*ug/kg*	*100*		*103*	*70-140*			
Matrix Spike Dup (B8D1102-MSD1)		**Source: 8D10001-02**		Prepared: 04/11/08	Analyzed: 04/12/08					
Benzene	**50.8**	2.0	ug/kg	40	<2.0	127	70-130	11.4	40	
Bromoform	**34.7**	5.0	ug/kg	40	<5.0	86.8	70-130	5.56	40	
Chlorobenzene	**42.8**	5.0	ug/kg	40	<5.0	107	70-130	11.0	40	
Chloroform	**49.3**	5.0	ug/kg	40	<5.0	123	70-130	10.1	40	
1,1-Dichloroethane	**45.6**	5.0	ug/kg	40	<5.0	114	70-130	8.26	40	
1,1-Dichloroethylene	**47.7**	5.0	ug/kg	40	<5.0	119	70-130	10.5	40	
cis-1,2-Dichloroethylene	**50.7**	5.0	ug/kg	40	<5.0	127	70-130	10.8	40	

Allen Aminian
QA/QC Manager

LABORATORY ANALYSIS RESULTS

Client: Entrix, Inc.
Project No: 41119010
Project Name: Soboba Phase II, San Jacinto

AA Project No: A192266
Date Received: 04/08/08
Date Reported: 04/23/08

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs by GC/MS - Quality Control										
Batch B8D1102 - EPA 5030B										
Matrix Spike Dup (B8D1102-MSD1) Continued	**Source: 8D10001-02**	Prepared: 04/11/08 Analyzed: 04/12/08								
1,2-Dichloropropane	**46.2**	5.0	ug/kg	40	<5.0	116	70-130	8.25	40	
Ethylbenzene	**45.5**	2.0	ug/kg	40	<2.0	114	70-130	11.6	40	
Methyl-tert-Butyl Ether (MTBE)	**39.3**	5.0	ug/kg	40	<5.0	98.2	70-130	9.54	40	
n-Propylbenzene	**49.5**	5.0	ug/kg	40	<5.0	124	70-130	7.63	40	
Tetrachloroethylene (PCE)	**39.0**	5.0	ug/kg	40	<5.0	97.4	70-130	11.5	40	
Toluene	**44.1**	2.0	ug/kg	40	<2.0	110	70-130	10.6	40	
1,1,1-Trichloroethane	**48.0**	5.0	ug/kg	40	<5.0	120	70-130	8.98	40	
Trichloroethylene (TCE)	**50.9**	5.0	ug/kg	40	<5.0	127	70-130	9.11	40	
1,3,5-Trimethylbenzene	**45.7**	5.0	ug/kg	40	<5.0	114	70-130	14.1	40	
Vinyl chloride	**42.5**	5.0	ug/kg	40	<5.0	106	70-130	8.18	40	
Surrogate: 4-Bromofluorobenzene	*111*		*ug/kg*	*100*		*111*	*70-140*			
Surrogate: Dibromofluoromethane	*110*		*ug/kg*	*100*		*110*	*70-140*			
Surrogate: Toluene-d8	*101*		*ug/kg*	*100*		*101*	*70-140*			
Carbon Chain by GC/FID - Quality Control										
Batch B8D0911 - EPA 3550B										
Blank (B8D0911-BLK1)				Prepared & Analyzed: 04/09/08						
C6-C8	<1.0	1.0	mg/kg							
C8-C10	<1.0	1.0	mg/kg							
C10-C12	<1.0	1.0	mg/kg							
C12-C14	<1.0	1.0	mg/kg							
C14-C16	<1.0	1.0	mg/kg							
C16-C18	<1.0	1.0	mg/kg							
C18-C20	<1.0	1.0	mg/kg							
C20-C22	<1.0	1.0	mg/kg							
C22-C24	<1.0	1.0	mg/kg							
C24-C26	<1.0	1.0	mg/kg							
C26-C28	<1.0	1.0	mg/kg							
C28-C32	<1.0	1.0	mg/kg							
C32-C34	<1.0	1.0	mg/kg							
C34-C36	<1.0	1.0	mg/kg							

Allen Aminian
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LABORATORY ANALYSIS RESULTS

Client: Entrix, Inc.
Project No: 41119010
Project Name: Soboba Phase II, San Jacinto

AA Project No: A192266
Date Received: 04/08/08
Date Reported: 04/23/08

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Carbon Chain by GC/FID - Quality Control										
Batch B8D0911 - EPA 3550B										
Blank (B8D0911-BLK1) Continued				Prepared & Analyzed: 04/09/08						
C36-C40	<1.0	1.0	mg/kg							
C40-C44	<1.0	1.0	mg/kg							
TPH (C6-C44)	<10	10	mg/kg							
Surrogate: o-Terphenyl	*6.53*		*mg/kg*	*10*		*65.3*	*50-150*			
LCS (B8D0911-BS1)				Prepared & Analyzed: 04/09/08						
Diesel Range Organics as Diesel	**205**	10	mg/kg	200		102	75-125			
Surrogate: o-Terphenyl	*9.61*		*mg/kg*	*10*		*96.1*	*50-150*			
LCS Dup (B8D0911-BSD1)				Prepared & Analyzed: 04/09/08						
Diesel Range Organics as Diesel	**214**	10	mg/kg	200		107	75-125	4.30	40	
Surrogate: o-Terphenyl	*9.64*		*mg/kg*	*10*		*96.4*	*50-150*			
Batch B8D1613 - EPA 3550B										
Blank (B8D1613-BLK1)				Prepared & Analyzed: 04/16/08						
C6-C8	<1.0	1.0	mg/kg							
C8-C10	<1.0	1.0	mg/kg							
C10-C12	<1.0	1.0	mg/kg							
C12-C14	<1.0	1.0	mg/kg							
C14-C16	<1.0	1.0	mg/kg							
C16-C18	<1.0	1.0	mg/kg							
C18-C20	<1.0	1.0	mg/kg							
C20-C22	<1.0	1.0	mg/kg							
C22-C24	<1.0	1.0	mg/kg							
C24-C26	<1.0	1.0	mg/kg							
C26-C28	<1.0	1.0	mg/kg							
C28-C32	<1.0	1.0	mg/kg							
C32-C34	<1.0	1.0	mg/kg							
C34-C36	<1.0	1.0	mg/kg							
C36-C40	<1.0	1.0	mg/kg							
C40-C44	<1.0	1.0	mg/kg							
TPH (C6-C44)	<10	10	mg/kg							
Surrogate: o-Terphenyl	*10.6*		*mg/kg*	*10*		*106*	*50-150*			

Allen Aminian
QA/QC Manager

AMERICAN ANALYTICS

LABORATORY ANALYSIS RESULTS

Client: Entrix, Inc.
Project No: 41119010
Project Name: Soboba Phase II, San Jacinto

AA Project No: A192266
Date Received: 04/08/08
Date Reported: 04/23/08

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Carbon Chain by GC/FID - Quality Control										
Batch B8D1613 - EPA 3550B										
LCS (B8D1613-BS1)				Prepared & Analyzed: 04/16/08						
Diesel Range Organics as Diesel	**203**	10	mg/kg	200		102	75-125			
Surrogate: o-Terphenyl	*14.4*		*mg/kg*	*10*		*144*	*50-150*			
LCS Dup (B8D1613-BSD1)				Prepared & Analyzed: 04/16/08						
Diesel Range Organics as Diesel	**202**	10	mg/kg	200		101	75-125	0.494	40	
Surrogate: o-Terphenyl	*14.2*		*mg/kg*	*10*		*142*	*50-150*			
Total Metals CAM 17 - Quality Control										
Batch B8D1114 - EPA 3050B										
Blank (B8D1114-BLK1)				Prepared: 04/09/08 Analyzed: 04/10/08						
Antimony	<10	10	mg/kg							
Arsenic	<0.50	0.50	mg/kg							
Barium	<10	10	mg/kg							
Beryllium	<1.0	1.0	mg/kg							
Cadmium	<1.0	1.0	mg/kg							
Chromium	<3.0	3.0	mg/kg							
Cobalt	<3.0	3.0	mg/kg							
Copper	<3.0	3.0	mg/kg							
Lead	<3.0	3.0	mg/kg							
Molybdenum	<5.0	5.0	mg/kg							
Nickel	<3.0	3.0	mg/kg							
Selenium	<0.50	0.50	mg/kg							
Silver	<1.0	1.0	mg/kg							
Thallium	<5.0	5.0	mg/kg							
Vanadium	<10	10	mg/kg							
Zinc	<3.0	3.0	mg/kg							
LCS (B8D1114-BS1)				Prepared: 04/09/08 Analyzed: 04/10/08						
Antimony	**53.2**	10	mg/kg	50		106	80-120			
Arsenic	**50.6**	0.50	mg/kg	50		101	80-120			
Barium	**49.5**	10	mg/kg	50		99.1	80-120			
Beryllium	**50.0**	1.0	mg/kg	50		100	80-120			
Cadmium	**50.1**	1.0	mg/kg	50		100	80-120			

Allen Aminian
QA/QC Manager

LABORATORY ANALYSIS RESULTS

Client: Entrix, Inc.
Project No: 41119010
Project Name: Soboba Phase II, San Jacinto

AA Project No: A192266
Date Received: 04/08/08
Date Reported: 04/23/08

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Total Metals CAM 17 - Quality Control										
Batch B8D1114 - EPA 3050B										
LCS (B8D1114-BS1) Continued				Prepared: 04/09/08			Analyzed: 04/10/08			
Chromium	**50.5**	3.0	mg/kg	50		101	80-120			
Cobalt	**51.1**	3.0	mg/kg	50		102	80-120			
Copper	**49.4**	3.0	mg/kg	50		98.8	80-120			
Lead	**50.8**	3.0	mg/kg	50		102	80-120			
Molybdenum	**51.4**	5.0	mg/kg	50		103	80-120			
Nickel	**50.0**	3.0	mg/kg	50		100	80-120			
Selenium	**50.7**	0.50	mg/kg	50		101	80-120			
Silver	**49.8**	1.0	mg/kg	50		99.6	80-120			
Thallium	**50.6**	5.0	mg/kg	50		101	80-120			
Vanadium	**50.2**	10	mg/kg	50		100	80-120			
Zinc	**48.5**	3.0	mg/kg	50		97.1	80-120			
LCS Dup (B8D1114-BSD1)				Prepared: 04/09/08			Analyzed: 04/10/08			
Antimony	**54.2**	10	mg/kg	50		108	80-120	1.77	20	
Arsenic	**51.2**	0.50	mg/kg	50		102	80-120	1.38	20	
Barium	**49.7**	10	mg/kg	50		99.4	80-120	0.343	20	
Beryllium	**50.4**	1.0	mg/kg	50		101	80-120	0.797	20	
Cadmium	**50.6**	1.0	mg/kg	50		101	80-120	1.09	20	
Chromium	**51.0**	3.0	mg/kg	50		102	80-120	1.08	20	
Cobalt	**51.6**	3.0	mg/kg	50		103	80-120	0.877	20	
Copper	**49.9**	3.0	mg/kg	50		99.8	80-120	0.927	20	
Lead	**51.6**	3.0	mg/kg	50		103	80-120	1.66	20	
Molybdenum	**52.4**	5.0	mg/kg	50		105	80-120	2.02	20	
Nickel	**50.3**	3.0	mg/kg	50		101	80-120	0.498	20	
Selenium	**51.8**	0.50	mg/kg	50		104	80-120	2.05	20	
Silver	**50.4**	1.0	mg/kg	50		101	80-120	1.07	20	
Thallium	**50.2**	5.0	mg/kg	50		100	80-120	0.794	20	
Vanadium	**50.6**	10	mg/kg	50		101	80-120	0.794	20	
Zinc	**49.3**	3.0	mg/kg	50		98.6	80-120	1.50	20	
Duplicate (B8D1114-DUP1)		**Source: 8D08004-01**		Prepared: 04/09/08			Analyzed: 04/11/08			
Antimony	**<10**	10	mg/kg		<10				200	
Arsenic	**<0.50**	0.50	mg/kg		0.795				200	

Allen Aminian
QA/QC Manager

LABORATORY ANALYSIS RESULTS

Client: Entrix, Inc.
Project No: 41119010
Project Name: Soboba Phase II, San Jacinto

AA Project No: A192266
Date Received: 04/08/08
Date Reported: 04/23/08

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Total Metals CAM 17 - Quality Control										
Batch B8D1114 - EPA 3050B										
Duplicate (B8D1114-DUP1) Continued	**Source: 8D08004-01**	Prepared: 04/09/08	Analyzed: 04/11/08							
Barium	**137**	10	mg/kg		160			15.6	200	
Beryllium	**<1.0**	1.0	mg/kg		<1.0				200	
Cadmium	**<1.0**	1.0	mg/kg		<1.0				200	
Chromium	**5.24**	3.0	mg/kg		5.18			1.06	200	
Cobalt	**4.88**	3.0	mg/kg		4.61			5.69	200	
Copper	**3.18**	3.0	mg/kg		3.31			4.16	200	
Lead	**3.04**	3.0	mg/kg		<3.0				200	
Molybdenum	**<5.0**	5.0	mg/kg		<5.0				200	
Nickel	**<3.0**	3.0	mg/kg		<3.0				200	
Selenium	**<0.50**	0.50	mg/kg		<0.50				200	
Silver	**<1.0**	1.0	mg/kg		<1.0				200	
Thallium	**<5.0**	5.0	mg/kg		<5.0				200	
Vanadium	**19.8**	10	mg/kg		20.3			2.77	200	
Zinc	**46.7**	3.0	mg/kg		42.2			10.1	200	
Matrix Spike (B8D1114-MS1)	**Source: 8D08004-01**	Prepared: 04/09/08	Analyzed: 04/11/08							
Antimony	**58.9**	10	mg/kg	50	<10	118	75-125			
Arsenic	**61.1**	0.50	mg/kg	50	0.795	121	75-125			
Barium	**190**	10	mg/kg	50	160	60.5	75-125			QM-07
Beryllium	**53.5**	1.0	mg/kg	50	<1.0	107	75-125			
Cadmium	**52.4**	1.0	mg/kg	50	<1.0	105	75-125			
Chromium	**58.2**	3.0	mg/kg	50	5.18	106	75-125			
Cobalt	**59.4**	3.0	mg/kg	50	4.61	110	75-125			
Copper	**56.2**	3.0	mg/kg	50	3.31	106	75-125			
Lead	**57.1**	3.0	mg/kg	50	<3.0	114	75-125			
Molybdenum	**60.0**	5.0	mg/kg	50	<5.0	120	75-125			
Nickel	**53.4**	3.0	mg/kg	50	<3.0	107	75-125			
Selenium	**52.6**	0.50	mg/kg	50	<0.50	105	75-125			
Silver	**52.6**	1.0	mg/kg	50	<1.0	105	75-125			
Thallium	**52.8**	5.0	mg/kg	50	<5.0	106	75-125			
Vanadium	**72.6**	10	mg/kg	50	20.3	104	75-125			
Zinc	**103**	3.0	mg/kg	50	42.2	121	75-125			

Allen Aminian
QA/QC Manager

LABORATORY ANALYSIS RESULTS

Client: Entrix, Inc.
Project No: 41119010
Project Name: Soboba Phase II, San Jacinto

AA Project No: A192266
Date Received: 04/08/08
Date Reported: 04/23/08

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Total Metals CAM 17 - Quality Control										
Batch B8D1114 - EPA 3050B										
Matrix Spike Dup (B8D1114-MSD1)	**Source: 8D08004-01**			Prepared: 04/09/08	Analyzed: 04/11/08					
Antimony	**61.2**	10	mg/kg	50	<10	122	75-125	3.83	40	
Arsenic	**63.6**	0.50	mg/kg	50	0.795	126	75-125	4.01	40	QM-07
Barium	**189**	10	mg/kg	50	160	58.8	75-125	0.448	40	QM-07
Beryllium	**55.0**	1.0	mg/kg	50	<1.0	110	75-125	2.76	40	
Cadmium	**53.8**	1.0	mg/kg	50	<1.0	108	75-125	2.73	40	
Chromium	**59.6**	3.0	mg/kg	50	5.18	109	75-125	2.46	40	
Cobalt	**61.2**	3.0	mg/kg	50	4.61	113	75-125	2.90	40	
Copper	**57.1**	3.0	mg/kg	50	3.31	108	75-125	1.50	40	
Lead	**58.9**	3.0	mg/kg	50	<3.0	118	75-125	3.10	40	
Molybdenum	**62.8**	5.0	mg/kg	50	<5.0	126	75-125	4.48	40	QM-07
Nickel	**54.6**	3.0	mg/kg	50	<3.0	109	75-125	2.31	40	
Selenium	**55.4**	0.50	mg/kg	50	<0.50	111	75-125	5.09	40	
Silver	**53.6**	1.0	mg/kg	50	<1.0	107	75-125	1.79	40	
Thallium	**54.4**	5.0	mg/kg	50	<5.0	109	75-125	2.99	40	
Vanadium	**72.8**	10	mg/kg	50	20.3	105	75-125	0.344	40	
Zinc	**103**	3.0	mg/kg	50	42.2	122	75-125	0.340	40	
Total Metals CAM 17 - Quality Control										
Batch B8D1115 - EPA 7471A Prep										
Blank (B8D1115-BLK1)				Prepared: 04/09/08	Analyzed: 04/10/08					
Mercury	<0.020	0.020	mg/kg							
LCS (B8D1115-BS1)				Prepared: 04/09/08	Analyzed: 04/10/08					
Mercury	**0.519**	0.020	mg/kg	0.50		104	85-115			
LCS Dup (B8D1115-BSD1)				Prepared: 04/09/08	Analyzed: 04/10/08					
Mercury	**0.523**	0.020	mg/kg	0.50		105	85-115	0.768	25	
Duplicate (B8D1115-DUP1)	**Source: 8D08004-01**			Prepared: 04/09/08	Analyzed: 04/10/08					
Mercury	**<0.020**	0.020	mg/kg		<0.020				25	
Matrix Spike (B8D1115-MS1)	**Source: 8D08004-01**			Prepared: 04/09/08	Analyzed: 04/10/08					
Mercury	**0.454**	0.020	mg/kg	0.50	<0.020	90.7	75-125			
Matrix Spike Dup (B8D1115-MSD1)	**Source: 8D08004-01**			Prepared: 04/09/08	Analyzed: 04/10/08					
Mercury	**0.441**	0.020	mg/kg	0.50	<0.020	88.2	75-125	2.79	25	

Allen A

Allen AmINIAN
QA/QC Manager

LABORATORY ANALYSIS RESULTS

Client:	Entrix, Inc.	**AA Project No:**	A192266
Project No:	41119010	**Date Received:**	04/08/08
Project Name:	Soboba Phase II, San Jacinto	**Date Reported:**	04/23/08

Special Notes

[1] = ***** : Subcontracted to a DOHS State-Certified Laboratory

[2] = **QM-07** : The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.

[3] = **S-01** : The surrogate recovery for this sample is not available due to sample dilution required from high analyte concentration and/or matrix interference's.

Allen Aminian
QA/QC Manager

AMERICAN ANALYTICS CHAIN-OF-CUSTODY RECORD

9765 ETON AVE., CHATSWORTH, CA 91311
Tel: 818-998-5547 FAX: 818-998-7258

A.A. COC No.: 104856

Page 1 of 2

Client: ENTRIX	Project Name / No.: Soboba Phase II	Sampler's Name: Ryan Shatt	
Project Manager: Ryan Shatt	Site Address: 2219 Lake Park Dr.	Sampler's Signature: [signature]	
Phone: 206-295-8746	City: San Jacinto, CA	P.O. No.:	
Fax: 206-269-0048	State & Zip:	Quote No.:	

TAT Turnaround Codes **

1 = Same Day Rush
2 = 24 Hour Rush
3 = 48 Hour Rush
4 = 72 Hour Rush
5 = 5 Day Rush
X = 10 Working Days (Standard TAT)

ANALYSIS REQUESTED (Test Name) — Please enter the TAT Turnaround Codes ** below

Client I.D.	A.A. I.D.	Date	Time	Sample Matrix	No. of Cont	Carbon Chain TPH	CAM 17 Metals	VOCs	Pesticides	Herbicides	SVOCs	Special Instructions
B1-6'-6.5'	8D08004-01	4/8/08	0805	S	1	5	5	5	5	5	Hold	
B1-10'-10.5'	02		0810	S	1	Hold →						
B2-6'-6.5'	03		0825	S	1	5	5	5	5	5	Hold	
B2-10'-10.5'	04		0830	S	1	Hold →						
B3-6'-6.5'	05		0845	S	1	5	5	5	5	5	Hold	
B3-10'-10.5'	06		0850	S	1	Hold →						
B4-0'-0.5'	07		0910	S	1	5	5	5	5	5	Hold	
B4-3.5'-4'	08		0915	S	1	Hold →						
B5-0'-0.5'	09		0920	S	1	5	5	5	5	5	Hold	
B5-3.5'-4'	10		0922	S	1	Hold →						
B6-0'-0.5'	11		0925	S	1	5	5	5	5	5	Hold	
B6-3.5'-4'	12		0927	S	1	Hold →						
B7-0'-0.5'	13		0940	S	1	5	5	5	5	5	Hold	
B7-3.5'-4'	14		0942	S	1	Hold →						
B8-0-0.5'	15	↓	1003	S	1	5	5	5	5	5	Hold	

For Laboratory Use
REVIEWED
Date 4/8/08 Time 3:58
TAT ~~10~~ 5 Days Sign: [signature]

Relinquished by	Date	Time	Received by
[signature]	4/8/08	11:45	[signature]
[signature]	4-8-08	11:45	[signature]
[signature]	4-8-8	1553	[signature]

A.A. Project No.: A192266/8D08004

Note: By relinquishing samples to American Analytics, client agrees to pay for the services requested on this chain of custody form and any additional client-requested analyses performed on this project. Payment for services is due within 30 days from the date of invoice. Sample(s) will be disposed of after 45 days following the submittal of the sample(s) to American Analytics.

AMERICAN ANALYTICS CHAIN-OF-CUSTODY RECORD

9765 ETON AVE., CHATSWORTH, CA 91311
Tel: 818-998-5547 FAX: 818-998-7258

A.A. COC No.: 104857

Page 2 of 2

Client: Sequoia
Project Name / No.:
Sampler's Name:
Project Manager:
Site Address:
Sampler's Signature:
Phone:
City:
P.O. No.:
Fax:
State & Zip:
Quote No.:

TAT Turnaround Codes **

1 = Same Day Rush
2 = 24 Hour Rush
3 = 48 Hour Rush
4 = 72 Hour Rush
5 = 5 Day Rush
X = 10 Working Days (Standard TAT)

ANALYSIS REQUESTED (Test Name)

Please enter the TAT Turnaround Codes ** below

Client I.D.	A.A. I.D.	Date	Time	Sample Matrix	No. of Cont	Carbon Chain TPH	CAM 17 Metals	VOCs	Pesticides	Herbicides	SVOCs					Special Instructions
B8-3.5'-4'	16	4/8/08	1005	S	1	1X										
B9-0'-0.5'	17		1015	S	1	5	5	5	5	5	Hold					X Added per client request 4/16/08 AA
B9-3.5'-4'	18		1017	S	1	Hold X										
B10-7.5'-8'	19		1055	S	1	5	5	5	5	5	Hold					
B10-11.5'-12'	20		1100	S	1	Hold										
B11-3.5-4'	21		1105	S	1	5	5	5	5	5	Hold					
B11-7.5-8'	22		1110	S	1	5	5	5	5	5	Hold					
B11-11.5-12'	23		1115	S	1	Hold										

For Laboratory Use

REVIEWED
Date 4/8/08 Time 3:58
TAT 5 Days Sign: [signature]

A.A. Project No.: A192266/ 8D08004

Relinquished by	Date	Time	Received by
[signature]	4/8/08	11:45	[signature]
[signature]	4-8-08	14:45	[signature]
[signature]	4-8-8	1533	[signature]

Note: By relinquishing samples to American Analytics, client agrees to pay for the services requested on this chain of custody form and any additional client-requested analyses performed on this project. Payment for services is due within 30 days from the date of invoice. Sample(s) will be disposed of after 45 days following the submittal of the sample(s) to American Analytics.

Appendix Z:

Noise Analysis

Appendix X

Noise Calculation Spreadsheets and Acoustical Terms

Introduction

As part of the Soboba Horseshoe Grande Final Environmental Impact Statement (FEIS), the noise effects of the Proposed Action and Alternatives on the Development Site and surrounding area were assessed. ENTRIX performed screening-level estimation calculations as a desk study according to general methodology developed in 2006 by the John A. Volpe National Transportation Systems Center for the Department of Transportation Federal Highway Administration; with other academic and professional reference materials incorporated as applicable.

This appendix contains the noise calculation spreadsheets prepared to support the analysis contained within Section 4.9 of the FEIS. The noise calculation spreadsheets are followed by a glossary of acoustical terms.

Noise Calculation Spreadsheets

Unmitigated Construction Noise Effects

Estimated Unmitigated Construction Noise Impacts from Offroad Equipment and Onroad Vehicles

Receptor Location	Sound Level in Decibels, A-weighted (dBA)							
	L_{MAX}	L_{02}	L_{08}	L_{10}	L_{25}	L_{50}	L_{90}	L_{EQ}
Soboba Springs Community - South	76	74	74	74	73	73	72	71
Soboba Springs Community - North	70	69	69	69	68	68	67	67
Golf Course Community	74	72	71	71	71	70	69	69
Hill Community	65	63	63	63	63	62	62	62
Source: DOT FHWA 2006								

Estimated Unmitigated Noise Impacts from Offroad Equipment and Onroad Vehicles - Soboba Springs Mobile Estates South

Construction Equipment and Vehicles	Ref.	Usage	L_{REF}	D	TC	IL	Sound Level in Decibels, A-weighted (dBA)							
		Factor	dBA	m	dBA/m	dBA	L_{MAX}	L_{02}	L_{08}	L_{10}	L_{25}	L_{50}	L_{90}	L_{EQ}
AAmbient 65 dBA (set D = 15 m)	2,6	100%	65	15	0.000	0	65	65	65	65	65	65	65	65
Tractor Trailer Truck (18-wheel)	4	40%	85	104	0.005	5	63	62	62	62	61	60	59	59
Dump Truck	1	40%	84	104	0.005	5	62	61	61	61	60	59	58	58
Concrete Mixer Truck	1	40%	85	104	0.005	5	63	62	62	62	61	60	59	59
Jackhammer	1	20%	85	104	0.005	5	63	59	59	59	58	57	56	56
Scraper	1	40%	85	104	0.005	5	63	62	62	62	61	60	59	59
Dozer (crawler tractor)	1	40%	85	104	0.005	5	63	62	62	62	61	60	59	59
Generator (general purpose utility)	1	50%	82	104	0.005	5	60	60	60	60	59	58	57	57
Crane	1	16%	85	104	0.005	5	63	58	58	58	57	56	55	55
Front End Loader	1	40%	80	104	0.005	5	58	57	57	57	56	55	54	54
Grader	1	40%	85	104	0.005	5	63	62	62	62	61	60	59	59
Impact Pile Driver	1	20%	95	104	0.005	5	73	69	69	69	68	67	66	66
All Other Equipment > 5 HP	1	50%	85	104	0.005	5	63	63	63	63	62	61	60	60
Combined Effects of all Equipment and Vehicles on Receptor							**76**	**74**	**74**	**74**	**73**	**73**	**72**	**71**
Sources: (1) DOT FHWA 2006, (2) Broch 1971, (3) Kenai 2007, (4) EPA 1971, (5) Brueck 2008, (6) Plog 1988, (7) Rogers 2006, (8) T&M 1986														

Estimated Unmitigated Noise Impacts from Offroad Equipment and Onroad Vehicles - Soboba Springs Mobile Estates North

Construction Equipment and Vehicles	Ref.	Usage	L_{REF}	D	TC	IL	Sound Level in Decibels, A-weighted (dBA)							
		Factor	dBA	m	dBA/m	dBA	L_{MAX}	L_{02}	L_{08}	L_{10}	L_{25}	L_{50}	L_{90}	L_{EQ}
AAmbient 65 dBA (set D = 15 m)	2,6	100%	65	15	0.000	0	65	65	65	65	65	65	65	65
Tractor Trailer Truck (18-wheel)	4	40%	85	220	0.005	5	56	55	55	55	54	53	52	52
Dump Truck	1	40%	84	220	0.005	5	55	54	54	54	53	52	51	51
Concrete Mixer Truck	1	40%	85	220	0.005	5	56	55	55	55	54	53	52	52
Jackhammer	1	20%	85	220	0.005	5	56	52	52	52	51	50	49	49
Scraper	1	40%	85	220	0.005	5	56	55	55	55	54	53	52	52
Dozer (crawler tractor)	1	40%	85	220	0.005	5	56	55	55	55	54	53	52	52
Generator (general purpose utility)	1	50%	82	220	0.005	5	53	53	53	53	52	51	50	50
Crane	1	16%	85	220	0.005	5	56	51	51	51	50	49	48	48
Front End Loader	1	40%	80	220	0.005	5	51	50	50	50	49	48	47	47
Grader	1	40%	85	220	0.005	5	56	55	55	55	54	53	52	52
Impact Pile Driver	1	20%	95	220	0.005	5	66	62	62	62	61	60	59	59
All Other Equipment > 5 HP	1	50%	85	220	0.005	5	56	56	56	56	55	54	53	53
Combined Effects of all Equipment and Vehicles on Receptor							**70**	**69**	**69**	**69**	**68**	**68**	**67**	**67**
Sources: (1) DOT FHWA 2006, (2) Broch 1971, (3) Kenai 2007, (4) EPA 1971, (5) Brueck 2008, (6) Plog 1988, (7) Rogers 2006, (8) T&M 1986														

Estimated Unmitigated Noise Impacts from Offroad Equipment and Onroad Vehicles - Golf Course Community

Construction Equipment and Vehicles	Ref.	Usage	L_{REF}	D	TC	IL	Sound Level in Decibels, A-weighted (dBA)							
		Factor	dBA	m	dBA/m	dBA	L_{MAX}	L_{02}	L_{08}	L_{10}	L_{25}	L_{50}	L_{90}	L_{EQ}
AAmbient 60 dBA (set D = 15 m)	2,6	100%	60	15	0.000	0	60	60	60	60	60	60	60	60
Tractor Trailer Truck (18-wheel)	4	40%	85	220	0.005	0	61	60	60	60	59	58	57	57
Dump Truck	1	40%	84	220	0.005	0	60	59	59	59	58	57	56	56
Concrete Mixer Truck	1	40%	85	220	0.005	0	61	60	60	60	59	58	57	57
Jackhammer	1	20%	85	220	0.005	0	61	57	57	57	56	55	54	54
Scraper	1	40%	85	220	0.005	0	61	60	60	60	59	58	57	57
Dozer (crawler tractor)	1	40%	85	220	0.005	0	61	60	60	60	59	58	57	57
Generator (general purpose utility)	1	50%	82	220	0.005	0	58	58	58	58	57	56	55	55
Crane	1	16%	85	220	0.005	0	61	56	56	56	55	54	53	53
Front End Loader	1	40%	80	220	0.005	0	56	55	55	55	54	53	52	52
Grader	1	40%	85	220	0.005	0	61	60	60	60	59	58	57	57
Impact Pile Driver	1	20%	95	220	0.005	0	71	67	67	67	66	65	64	64
All Other Equipment > 5 HP	1	50%	85	220	0.005	0	61	61	61	61	60	59	58	58
Combined Effects of all Equipment and Vehicles on Receptor							**74**	**72**	**71**	**71**	**71**	**70**	**69**	**69**
Sources: (1) DOT FHWA 2006, (2) Broch 1971, (3) Kenai 2007, (4) EPA 1971, (5) Brueck 2008, (6) Plog 1988, (7) Rogers 2006, (8) T&M 1986														

Estimated Unmitigated Noise Impacts from Offroad Equipment and Onroad Vehicles - Hillside Community

Construction Equipment and Vehicles	Ref.	Usage Factor	L_{REF} dBA	D m	TC dBA/m	IL dBA	Sound Level in Decibels, A-weighted (dBA) L_{MAX}	L_{02}	L_{08}	L_{10}	L_{25}	L_{50}	L_{90}	L_{EQ}
AAmbient 60 dBA (set D = 15 m)	2,6	100%	60	15	0.000	0	60	60	60	60	60	60	60	60
Tractor Trailer Truck (18-wheel)	4	40%	85	610	0.005	0	50	49	49	49	48	47	46	46
Dump Truck	1	40%	84	610	0.005	0	49	48	48	48	47	46	45	45
Concrete Mixer Truck	1	40%	85	610	0.005	0	50	49	49	49	48	47	46	46
Jackhammer	1	20%	85	610	0.005	0	50	46	46	46	45	44	43	43
Scraper	1	40%	85	610	0.005	0	50	49	49	49	48	47	46	46
Dozer (crawler tractor)	1	40%	85	610	0.005	0	50	49	49	49	48	47	46	46
Generator (general purpose utility)	1	50%	82	610	0.005	0	47	47	47	47	46	45	44	44
Crane	1	16%	85	610	0.005	0	50	45	45	45	44	43	42	42
Front End Loader	1	40%	80	610	0.005	0	45	44	44	44	43	42	41	41
Grader	1	40%	85	610	0.005	0	50	49	49	49	48	47	46	46
Impact Pile Driver	1	20%	95	610	0.005	0	60	56	56	56	55	54	53	53
All Other Equipment > 5 HP	1	50%	85	610	0.005	0	50	50	50	50	49	48	47	47
Combined Effects of all Equipment and Vehicles on Receptor							**65**	**63**	**63**	**63**	**63**	**62**	**62**	**62**
Sources: (1) DOT FHWA 2006, (2) Broch 1971, (3) Kenai 2007, (4) EPA 1971, (5) Brueck 2008, (6) Plog 1988, (7) Rogers 2006, (8) T&M 1986														

Mitigated Construction Noise Effects

Estimated Mitigated Construction Noise Impacts from Offroad Equipment and Onroad Vehicles (Mitigated)

Receptor Location	Sound Level in Decibels, A-weighted (dBA)							
	L_{MAX}	L_{02}	L_{08}	L_{10}	L_{25}	L_{50}	L_{90}	L_{EQ}
Soboba Springs Community - South	73	71	71	71	71	70	69	69
Soboba Springs Community - North	68	67	67	67	67	67	66	66
Golf Course Community	74	72	71	71	71	70	69	69
Hill Community	65	63	63	63	63	62	62	62
Source: DOT FHWA 2006								

Estimated Mitigated Noise Impacts from Offroad Equipment and Onroad Vehicles - Soboba Springs Mobile Estates South

Construction Equipment and Vehicles	Ref.	Usage	L_{REF}	D	TC	IL	Sound Level in Decibels, A-weighted (dBA)							
		Factor	dBA	m	dBA/m	dBA	L_{MAX}	L_{02}	L_{08}	L_{10}	L_{25}	L_{50}	L_{90}	L_{EQ}
AAmbient 65 dBA (set D = 15 m)	2,6	100%	65	15	0.000	0	65	65	65	65	65	65	65	65
Tractor Trailer Truck (18-wheel)	4	40%	85	104	0.005	8	60	59	59	59	58	57	56	56
Dump Truck	1	40%	84	104	0.005	8	59	58	58	58	57	56	55	55
Concrete Mixer Truck	1	40%	85	104	0.005	8	60	59	59	59	58	57	56	56
Jackhammer	1	20%	85	104	0.005	8	60	56	56	56	55	54	53	53
Scraper	1	40%	85	104	0.005	8	60	59	59	59	58	57	56	56
Dozer (crawler tractor)	1	40%	85	104	0.005	8	60	59	59	59	58	57	56	56
Generator (general purpose utility)	1	50%	82	104	0.005	8	57	57	57	57	56	55	54	54
Crane	1	16%	85	104	0.005	8	60	55	55	55	54	53	52	52
Front End Loader	1	40%	80	104	0.005	8	55	54	54	54	53	52	51	51
Grader	1	40%	85	104	0.005	8	60	59	59	59	58	57	56	56
Impact Pile Driver	1	20%	95	104	0.005	8	70	66	66	66	65	64	63	63
All Other Equipment > 5 HP	1	50%	85	104	0.005	8	60	60	60	60	59	58	57	57
Combined Effects of all Equipment and Vehicles on Receptor							**73**	**71**	**71**	**71**	**71**	**70**	**69**	**69**
Sources: (1) DOT FHWA 2006, (2) Broch 1971, (3) Kenai 2007, (4) EPA 1971, (5) Brueck 2008, (6) Plog 1988, (7) Rogers 2006, (8) T&M 1986														

Estimated Mitigated Noise Impacts from Offroad Equipment and Onroad Vehicles - Soboba Springs Mobile Estates North

Construction Equipment and Vehicles	Ref.	Usage Factor	L_{REF} dBA	D m	TC dBA/m	IL dBA	L_{MAX}	L_{02}	L_{08}	L_{10}	L_{25}	L_{50}	L_{90}	L_{EQ}
							Sound Level in Decibels, A-weighted (dBA)							
AAmbient 65 dBA (set D = 15 m)	2,6	100%	65	15	0.000	0	65	65	65	65	65	65	65	65
Tractor Trailer Truck (18-wheel)	4	40%	85	220	0.005	8	53	52	52	52	51	50	49	49
Dump Truck	1	40%	84	220	0.005	8	52	51	51	51	50	49	48	48
Concrete Mixer Truck	1	40%	85	220	0.005	8	53	52	52	52	51	50	49	49
Jackhammer	1	20%	85	220	0.005	8	53	49	49	49	48	47	46	46
Scraper	1	40%	85	220	0.005	8	53	52	52	52	51	50	49	49
Dozer (crawler tractor)	1	40%	85	220	0.005	8	53	52	52	52	51	50	49	49
Generator (general purpose utility)	1	50%	82	220	0.005	8	50	50	50	50	49	48	47	47
Crane	1	16%	85	220	0.005	8	53	48	48	48	47	46	45	45
Front End Loader	1	40%	80	220	0.005	8	48	47	47	47	46	45	44	44
Grader	1	40%	85	220	0.005	8	53	52	52	52	51	50	49	49
Impact Pile Driver	1	20%	95	220	0.005	8	63	59	59	59	58	57	56	56
All Other Equipment > 5 HP	1	50%	85	220	0.005	8	53	53	53	53	52	51	50	50
Combined Effects of all Equipment and Vehicles on Receptor							**68**	**67**	**67**	**67**	**67**	**67**	**66**	**66**

Sources: (1) DOT FHWA 2006, (2) Broch 1971, (3) Kenai 2007, (4) EPA 1971, (5) Brueck 2008, (6) Plog 1988, (7) Rogers 2006, (8) T&M 1986

Estimated Mitigated Noise Impacts from Offroad Equipment and Onroad Vehicles - Golf Course Community

Construction Equipment and Vehicles	Ref.	Usage	L_{REF}	D	TC	IL	Sound Level in Decibels, A-weighted (dBA)							
		Factor	dBA	m	dBA/m	dBA	L_{MAX}	L_{02}	L_{08}	L_{10}	L_{25}	L_{50}	L_{90}	L_{EQ}
AAmbient 60 dBA (set D = 15 m)	2,6	100%	60	15	0.000	0	60	60	60	60	60	60	60	60
Tractor Trailer Truck (18-wheel)	4	40%	85	220	0.005	0	61	60	60	60	59	58	57	57
Dump Truck	1	40%	84	220	0.005	0	60	59	59	59	58	57	56	56
Concrete Mixer Truck	1	40%	85	220	0.005	0	61	60	60	60	59	58	57	57
Jackhammer	1	20%	85	220	0.005	0	61	57	57	57	56	55	54	54
Scraper	1	40%	85	220	0.005	0	61	60	60	60	59	58	57	57
Dozer (crawler tractor)	1	40%	85	220	0.005	0	61	60	60	60	59	58	57	57
Generator (general purpose utility)	1	50%	82	220	0.005	0	58	58	58	58	57	56	55	55
Crane	1	16%	85	220	0.005	0	61	56	56	56	55	54	53	53
Front End Loader	1	40%	80	220	0.005	0	56	55	55	55	54	53	52	52
Grader	1	40%	85	220	0.005	0	61	60	60	60	59	58	57	57
Impact Pile Driver	1	20%	95	220	0.005	0	71	67	67	67	66	65	64	64
All Other Equipment > 5 HP	1	50%	85	220	0.005	0	61	61	61	61	60	59	58	58
Combined Effects of all Equipment and Vehicles on Receptor							**74**	**72**	**71**	**71**	**71**	**70**	**69**	**69**
Sources: (1) DOT FHWA 2006, (2) Broch 1971, (3) Kenai 2007, (4) EPA 1971, (5) Brueck 2008, (6) Plog 1988, (7) Rogers 2006, (8) T&M 1986														

Estimated Mitigated Noise Impacts from Offroad Equipment and Onroad Vehicles - Hillside Community

Construction Equipment and Vehicles	Ref.	Usage Factor	L_{REF} dBA	D m	TC dBA/m	IL dBA	Sound Level in Decibels, A-weighted (dBA)							
							L_{MAX}	L_{02}	L_{08}	L_{10}	L_{25}	L_{50}	L_{90}	L_{EQ}
AAmbient 60 dBA (set D = 15 m)	2,6	100%	60	15	0.000	0	60	60	60	60	60	60	60	60
Tractor Trailer Truck (18-wheel)	4	40%	85	610	0.005	0	50	49	49	49	48	47	46	46
Dump Truck	1	40%	84	610	0.005	0	49	48	48	48	47	46	45	45
Concrete Mixer Truck	1	40%	85	610	0.005	0	50	49	49	49	48	47	46	46
Jackhammer	1	20%	85	610	0.005	0	50	46	46	46	45	44	43	43
Scraper	1	40%	85	610	0.005	0	50	49	49	49	48	47	46	46
Dozer (crawler tractor)	1	40%	85	610	0.005	0	50	49	49	49	48	47	46	46
Generator (general purpose utility)	1	50%	82	610	0.005	0	47	47	47	47	46	45	44	44
Crane	1	16%	85	610	0.005	0	50	45	45	45	44	43	42	42
Front End Loader	1	40%	80	610	0.005	0	45	44	44	44	43	42	41	41
Grader	1	40%	85	610	0.005	0	50	49	49	49	48	47	46	46
Impact Pile Driver	1	20%	95	610	0.005	0	60	56	56	56	55	54	53	53
All Other Equipment > 5 HP	1	50%	85	610	0.005	0	50	50	50	50	49	48	47	47
Combined Effects of all Equipment and Vehicles on Receptor							**65**	**63**	**63**	**63**	**63**	**62**	**62**	**62**
Sources: (1) DOT FHWA 2006, (2) Broch 1971, (3) Kenai 2007, (4) EPA 1971, (5) Brueck 2008, (6) Plog 1988, (7) Rogers 2006, (8) T&M 1986														

Unmitigated Operational Noise - Proposed Action A

Estimated Unmitigated Operational Noise Impacts from Stationary Equipment and Onroad Vehicles - Summary (Proposed Action A)

Receptor Location	Noise Source	Sound Level in Decibels, A-weighted (dBA)							
		L_{MAX}	L_{02}	L_{08}	L_{10}	L_{25}	L_{50}	L_{90}	L_{EQ}
Soboba Springs Community	Traffic	71	71	71	71	71	71	71	71
	South Parking Structure	65	65	65	65	65	65	65	65
	Events Center	65	65	65	65	65	65	65	65
	Loading Dock	65	65	65	65	65	65	65	65
	Wastewater Treatment Plant	65	65	65	65	65	65	65	65
	Combined Effects	71	71	71	71	71	71	71	71
Golf Course Community	Traffic	67	67	67	67	67	67	66	66
	Central Plant	63	63	63	63	63	63	63	63
	North Parking Structure	65	65	65	65	65	65	65	65
	Loading Dock	65	65	65	65	65	65	65	65
	Combined Effects	70	70	70	70	70	69	69	69
Hill Community	Traffic	62	62	62	62	62	62	62	62
Source: DOT FHWA 2006									

Estimated Unmitigated Noise Impacts from Operation - Combined Effects on Soboba Springs Mobile Estates (Proposed Action A)

Stationary Equipment and Infrastructure	Ref.	Usage	L_{REF}	D	TC	IL	Sound Level in Decibels, A-weighted (dBA)							
		Factor	dBA	m	dBA/m	dBA	L_{MAX}	L_{02}	L_{08}	L_{10}	L_{25}	L_{50}	L_{90}	L_{EQ}
AAmbient 65 dBA (set D = 15 m)	1,2	100%	65	15	0.000	0	65	65	65	65	65	65	65	65
City Street Traffic F (congested)	1	100%	75	15	0.005	5	70	70	70	70	70	70	70	70
Car Park Structure - Alarm	10	100%	68	52	0.005	5	52	52	52	52	52	52	52	52
Car Park Structure - Door Slam	10	20%	45	52	0.005	5	29	25	25	25	24	24	22	22
Car Park Structure - Engine Start	10	20%	62	52	0.005	5	46	42	42	42	41	41	39	39
Car Park Structure - Slow Drive	10	40%	65	52	0.005	5	49	48	48	48	47	47	45	45
Concert - Indoor Stage (exterior)	4	70%	70	110	0.005	5	47	47	47	47	47	47	46	46
Tractor Trailer Truck (18-wheel, idle/slow)	11	20%	75	220	0.005	5	46	42	42	42	41	40	39	39
Tractor Trailer Truck (18-wheel, idle/slow)	11	20%	75	220	0.005	5	46	42	42	42	41	40	39	39
Electric Water Pump (110 HP x 3)	7	100%	55	165	0.005	5	28	28	28	28	28	28	28	28
Electric Water Pump (50 HP x 3)	7	100%	55	165	0.005	5	28	28	28	28	28	28	28	28
Combined Effects of all Equipment and Infrastructure on Receptor							**71**	**71**	**71**	**71**	**71**	**71**	**71**	**71**
Sources: (1) Broch 1971, (2) Plog 1988, (3) Rogers 2006, (4) T&M 1986, (5) Alberts 2006, (6) CPUC 2009, (7) EBMUD 2010, (8) FHWA 2006, (9) ENTRIX 2010, (10) General Plans, (11) EPA 1971														

Estimated Unmitigated Noise Impacts from Operation - Combined Effects on Golf Course Community (Proposed Action A)

Stationary Equipment and Infrastructure	Ref.	Usage Factor	L_{REF} dBA	D m	TC dBA/m	IL dBA	Sound Level in Decibels, A-weighted (dBA)							
							L_{MAX}	L_{02}	L_{08}	L_{10}	L_{25}	L_{50}	L_{90}	L_{EQ}
AAmbient 65 dBA (set D = 15 m)	1,2	100%	65	15	0.000	0	65	65	65	65	65	65	65	65
City Street Traffic C (moderate)	1	60%	75	22	0.005	5	67	67	67	67	67	66	65	64
Car Park Structure - Alarm	10	100%	68	110	0.005	0	50	50	50	50	50	50	50	50
Car Park Structure - Door Slam	10	20%	45	110	0.005	0	27	23	23	23	23	22	20	20
Car Park Structure - Engine Start	10	20%	62	110	0.005	0	44	40	40	40	40	39	37	37
Car Park Structure - Slow Drive	10	40%	65	110	0.005	0	47	46	46	46	46	45	43	43
Tractor Trailer Truck (18-wheel, idle/slow)	11	20%	75	220	0.005	0	51	47	47	47	46	45	44	44
Tractor Trailer Truck (18-wheel, idle/slow)	11	20%	75	220	0.005	0	51	47	47	47	46	45	44	44
Generator (<25 KVA quiet design)	8	50%	70	170	0.005	0	48	48	48	48	48	47	45	45
HVAC/Refrigeration Unit	8	100%	82	170	0.005	0	60	60	60	60	60	60	60	60
Combined Effects of all Equipment and Infrastructure on Receptor							**70**	**70**	**70**	**70**	**70**	**69**	**69**	**69**
Sources: (1) Broch 1971, (2) Plog 1988, (3) Rogers 2006, (4) T&M 1986, (5) Alberts 2006, (6) CPUC 2009, (7) EBMUD 2010, (8) FHWA 2006, (9) ENTRIX 2010, (10) General Plans, (11) EPA 1971														

Estimated Unmitigated Noise Impacts from Operation - Traffic, Soboba Springs Mobile Estates (Proposed Action A)

Stationary Equipment and Infrastructure	Ref.	Usage	L_{REF}	D	TC	IL	Sound Level in Decibels, A-weighted (dBA)							
		Factor	dBA	m	dBA/m	dBA	L_{MAX}	L_{02}	L_{08}	L_{10}	L_{25}	L_{50}	L_{90}	L_{EQ}
AAmbient 65 dBA (set D = 15 m)	1,2	100%	65	15	0.000	0	65	65	65	65	65	65	65	65
City Street Traffic F (congested)	1	100%	75	15	0.005	5	70	70	70	70	70	70	70	70
Combined Effects of all Equipment and Infrastructure on Receptor							**71**	**71**	**71**	**71**	**71**	**71**	**71**	**71**
Sources: (1) Broch 1971, (2) Plog 1988, (3) Rogers 2006, (4) T&M 1986, (5) Alberts 2006, (6) CPUC 2009, (7) EBMUD 2010, (8) FHWA 2006, (9) ENTRIX 2010, (10) General Plans, (11) EPA 1971														

Estimated Unmitigated Noise Impacts from Operation - Traffic, Golf Course Community (Proposed Action A)

Stationary Equipment and Infrastructure	Ref.	Usage Factor	L_{REF} dBA	D m	TC dBA/m	IL dBA	Sound Level in Decibels, A-weighted (dBA)							
							L_{MAX}	L_{02}	L_{08}	L_{10}	L_{25}	L_{50}	L_{90}	L_{EQ}
AAmbient 60 dBA (set D = 15 m)	1,2	100%	60	15	0.000	0	60	60	60	60	60	60	60	60
City Street Traffic C (moderate)	1	60%	75	22	0.005	5	67	67	67	67	67	66	65	64
Combined Effects of all Equipment and Infrastructure on Receptor							**67**	**67**	**67**	**67**	**67**	**67**	**66**	**66**

Sources: (1) Broch 1971, (2) Plog 1988, (3) Rogers 2006, (4) T&M 1986, (5) Alberts 2006, (6) CPUC 2009, (7) EBMUD 2010, (8) FHWA 2006, (9) ENTRIX 2010, (10) General Plans, (11) EPA 1971

Estimated Unmitigated Noise Impacts from Operation - Traffic, Hillside Community (Proposed Action A)

Stationary Equipment and Infrastructure	Ref.	Usage Factor	L_{REF} dBA	D m	TC dBA/m	IL dBA	Sound Level in Decibels, A-weighted (dBA)							
							L_{MAX}	L_{02}	L_{08}	L_{10}	L_{25}	L_{50}	L_{90}	L_{EQ}
AAmbient 60 dBA (set D = 15 m)	1,2	100%	60	15	0.000	0	60	60	60	60	60	60	60	60
City Street Traffic C (moderate)	1	60%	75	92	0.005	0	59	59	59	59	59	58	57	57
Combined Effects of all Equipment and Infrastructure on Receptor							**62**	**62**	**62**	**62**	**62**	**62**	**62**	**62**
Sources: (1) Broch 1971, (2) Plog 1988, (3) Rogers 2006, (4) T&M 1986, (5) Alberts 2006, (6) CPUC 2009, (7) EBMUD 2010, (8) FHWA 2006, (9) ENTRIX 2010, (10) General Plans, (11) EPA 1971														

Estimated Unmitgated Noise Impacts from Operation - South Parking Structure (Proposed Action A)

Stationary Equipment and Infrastructure	Ref.	Usage Factor	L_{REF} dBA	D m	TC dBA/m	IL dBA	L_{MAX}	L_{02}	L_{08}	L_{10}	L_{25}	L_{50}	L_{90}	L_{EQ}
							Sound Level in Decibels, A-weighted (dBA)							
AAmbient 65 dBA (set D = 15 m)	1,2	100%	65	15	0.000	0	65	65	65	65	65	65	65	65
Car Park Structure - Alarm	10	100%	68	52	0.005	5	52	52	52	52	52	52	52	52
Car Park Structure - Door Slam	10	20%	45	52	0.005	5	29	25	25	25	24	24	22	22
Car Park Structure - Engine Start	10	20%	62	52	0.005	5	46	42	42	42	41	41	39	39
Car Park Structure - Slow Drive	10	40%	65	52	0.005	5	49	48	48	48	47	47	45	45
Combined Effects of all Equipment and Infrastructure on Receptor							**65**	**65**	**65**	**65**	**65**	**65**	**65**	**65**

Sources: (1) Broch 1971, (2) Plog 1988, (3) Rogers 2006, (4) T&M 1986, (5) Alberts 2006, (6) CPUC 2009, (7) EBMUD 2010, (8) FHWA 2006, (9) ENTRIX 2010, (10) General Plans, (11) EPA 1971

Estimated Unmitgated Noise Impacts from Operation - North Parking Structure (Proposed Action A)

Stationary Equipment and Infrastructure	Ref.	Usage	L_{REF}	D	TC	IL	Sound Level in Decibels, A-weighted (dBA)							
		Factor	dBA	m	dBA/m	dBA	L_{MAX}	L_{02}	L_{08}	L_{10}	L_{25}	L_{50}	L_{90}	L_{EQ}
AAmbient 65 dBA (set D = 15 m)	1,2	100%	65	15	0.000	0	65	65	65	65	65	65	65	65
Car Park Structure - Alarm	10	100%	68	110	0.005	0	50	50	50	50	50	50	50	50
Car Park Structure - Door Slam	10	20%	45	110	0.005	0	27	23	23	23	23	22	20	20
Car Park Structure - Engine Start	10	20%	62	110	0.005	0	44	40	40	40	40	39	37	37
Car Park Structure - Slow Drive	10	40%	65	110	0.005	0	47	46	46	46	46	45	43	43
Combined Effects of all Equipment and Infrastructure on Receptor							**65**	**65**	**65**	**65**	**65**	**65**	**65**	**65**

Sources: (1) Broch 1971, (2) Plog 1988, (3) Rogers 2006, (4) T&M 1986, (5) Alberts 2006, (6) CPUC 2009, (7) EBMUD 2010, (8) FHWA 2006, (9) ENTRIX 2010, (10) General Plans, (11) EPA 1971

Estimated Unmitgated Noise Impacts from Operation - Events Center (Proposed Action A)

Stationary Equipment and Infrastructure	Ref.	Usage Factor	L_{REF} dBA	D m	TC dBA/m	IL dBA	Sound Level in Decibels, A-weighted (dBA) L_{MAX}	L_{02}	L_{08}	L_{10}	L_{25}	L_{50}	L_{90}	L_{EQ}
AAmbient 65 dBA (set D = 15 m)	1,2	100%	65	15	0.000	0	65	65	65	65	65	65	65	65
Concert - Indoor Stage (exterior)	4	70%	70	110	0.005	5	47	47	47	47	47	47	46	46
Combined Effects of all Equipment and Infrastructure on Receptor							**65**	**65**	**65**	**65**	**65**	**65**	**65**	**65**
Sources: (1) Broch 1971, (2) Plog 1988, (3) Rogers 2006, (4) T&M 1986, (5) Alberts 2006, (6) CPUC 2009, (7) EBMUD 2010, (8) FHWA 2006, (9) ENTRIX 2010, (10) General Plans, (11) EPA 1971														

Estimated Unmitgated Noise Impacts from Operation - Loading Dock, Soboba Springs Mobile Estates (Proposed Action A)

Stationary Equipment and Infrastructure	Ref.	Usage Factor	L_{REF} dBA	D m	TC dBA/m	IL dBA	Sound Level in Decibels, A-weighted (dBA)							
							L_{MAX}	L_{02}	L_{08}	L_{10}	L_{25}	L_{50}	L_{90}	L_{EQ}
AAmbient 65 dBA (set D = 15 m)	1,2	100%	65	15	0.000	0	65	65	65	65	65	65	65	65
Tractor Trailer Truck (18-wheel, idle/slow)	11	20%	75	220	0.005	5	46	42	42	42	41	40	39	39
Tractor Trailer Truck (18-wheel, idle/slow)	11	20%	75	220	0.005	5	46	42	42	42	41	40	39	39
Combined Effects of all Equipment and Infrastructure on Receptor							**65**	**65**	**65**	**65**	**65**	**65**	**65**	**65**

Sources: (1) Broch 1971, (2) Plog 1988, (3) Rogers 2006, (4) T&M 1986, (5) Alberts 2006, (6) CPUC 2009, (7) EBMUD 2010, (8) FHWA 2006, (9) ENTRIX 2010, (10) General Plans, (11) EPA 1971

Estimated Unmitgated Noise Impacts from Operation - Loading Dock, Golf Course Community (Proposed Action A)

Stationary Equipment and Infrastructure	Ref.	Usage	L_{REF}	D	TC	IL	Sound Level in Decibels, A-weighted (dBA)							
		Factor	dBA	m	dBA/m	dBA	L_{MAX}	L_{02}	L_{08}	L_{10}	L_{25}	L_{50}	L_{90}	L_{EQ}
AAmbient 65 dBA (set D = 15 m)	1,2	100%	65	15	0.000	0	65	65	65	65	65	65	65	65
Tractor Trailer Truck (18-wheel, idle/slow)	11	20%	75	220	0.005	0	51	47	47	47	46	45	44	44
Tractor Trailer Truck (18-wheel, idle/slow)	11	20%	75	220	0.005	0	51	47	47	47	46	45	44	44
Combined Effects of all Equipment and Infrastructure on Receptor							**65**	**65**	**65**	**65**	**65**	**65**	**65**	**65**

Sources: (1) Broch 1971, (2) Plog 1988, (3) Rogers 2006, (4) T&M 1986, (5) Alberts 2006, (6) CPUC 2009, (7) EBMUD 2010, (8) FHWA 2006, (9) ENTRIX 2010, (10) General Plans, (11) EPA 1971

Estimated Unmitgated Noise Impacts from Operation - Central Plant (Proposed Action A)

Stationary Equipment and Infrastructure	Ref.	Usage	L_{REF}	D	TC	IL	Sound Level in Decibels, A-weighted (dBA)							
		Factor	dBA	m	dBA/m	dBA	L_{MAX}	L_{02}	L_{08}	L_{10}	L_{25}	L_{50}	L_{90}	L_{EQ}
AAmbient 60 dBA (set D = 15 m)	1,2	100%	60	15	0.000	0	60	60	60	60	60	60	60	60
HVAC/Refrigeration Unit	8	100%	82	170	0.005	0	60	60	60	60	60	60	60	60
Generator (<25 KVA quiet design)	8	50%	70	170	0.005	0	48	48	48	48	48	47	45	45
Combined Effects of all Equipment and Infrastructure on Receptor							**63**	**63**	**63**	**63**	**63**	**63**	**63**	**63**

Sources: (1) Broch 1971, (2) Plog 1988, (3) Rogers 2006, (4) T&M 1986, (5) Alberts 2006, (6) CPUC 2009, (7) EBMUD 2010, (8) FHWA 2006, (9) ENTRIX 2010, (10) General Plans, (11) EPA 1971

Estimated Unmitgated Noise Impacts from Operation - Wastewater Treatment Plant (Proposed Action A)

Stationary Equipment and Infrastructure	Ref.	Usage Factor	L_{REF} dBA	D m	TC dBA/m	IL dBA	Sound Level in Decibels, A-weighted (dBA) L_{MAX}	L_{02}	L_{08}	L_{10}	L_{25}	L_{50}	L_{90}	L_{EQ}
AAmbient 65 dBA (set D = 15 m)	1,2	100%	65	15	0.000	0	65	65	65	65	65	65	65	65
Electric Water Pump (110 HP x 3)	7	100%	55	165	0.005	5	28	28	28	28	28	28	28	28
Electric Water Pump (50 HP x 3)	7	100%	55	165	0.005	5	28	28	28	28	28	28	28	28
Combined Effects of all Equipment and Infrastructure on Receptor							**65**	**65**	**65**	**65**	**65**	**65**	**65**	**65**

Sources: (1) Broch 1971, (2) Plog 1988, (3) Rogers 2006, (4) T&M 1986, (5) Alberts 2006, (6) CPUC 2009, (7) EBMUD 2010, (8) FHWA 2006, (9) ENTRIX 2010, (10) General Plans, (11) EPA 1971

General Traffic

Ambient Traffic Noise															
Stationary Equipment and Infrastructure	Ref.	Usage	L_{REF}	D	TC	IL	Sound Level in Decibels, A-weighted (dBA)								
		Factor	dBA	m	dBA/m	dBA	L_{MAX}	L_{02}	L_{08}	L_{10}	L_{25}	L_{50}	L_{90}	L_{EQ}
AAmbient 65 dBA (set D = 15 m)	1,2	100%	65	15	0.000	0	65	65	65	65	65	65	65	65
City Street Traffic C (moderate)	1	60%	75	165	0.005	0	53	53	53	53	53	53	51	51
Combined Effects of all Equipment and Infrastructure on Receptor							**65**	**65**	**65**	**65**	**65**	**65**	**65**	**65**
Sources: (1) Broch 1971, (2) Plog 1988, (3) Rogers 2006, (4) T&M 1986, (5) Alberts 2006, (6) CPUC 2009, (7) EBMUD 2010, (8) FHWA 2006, (9) ENTRIX 2010, (10) General Plans, (11) EPA 1971															

Mitigated Operational Noise - Proposed Action A

Ambient Traffic Noise

Stationary Equipment and Infrastructure	Ref.	Usage Factor	L_{REF} dBA	D m	TC dBA/m	IL dBA	Sound Level in Decibels, A-weighted (dBA) L_{MAX}	L_{02}	L_{08}	L_{10}	L_{25}	L_{50}	L_{90}	L_{EQ}
AAmbient 65 dBA (set D = 15 m)	1,2	100%	65	15	0.000	0	65	65	65	65	65	65	65	65
City Street Traffic C (moderate)	1	60%	75	165	0.005	0	53	53	53	53	53	53	51	51
Combined Effects of all Equipment and Infrastructure on Receptor							**65**	**65**	**65**	**65**	**65**	**65**	**65**	**65**

Sources: (1) Broch 1971, (2) Plog 1988, (3) Rogers 2006, (4) T&M 1986, (5) Alberts 2006, (6) CPUC 2009, (7) EBMUD 2010, (8) FHWA 2006, (9) ENTRIX 2010, (10) General Plans, (11) EPA 1971

Estimated Mitigated Operational Noise Impacts from Stationary Equipment and Onroad Vehicles - Summary (Proposed Action A)

Receptor Location	Noise Source	Sound Level in Decibels, A-weighted (dBA)							
		L_{MAX}	L_{02}	L_{08}	L_{10}	L_{25}	L_{50}	L_{90}	L_{EQ}
Soboba Springs Community	Traffic	69	69	69	69	69	69	69	69
	South Parking Structure	65	65	65	65	65	65	65	65
	Events Center	65	65	65	65	65	65	65	65
	Loading Dock	65	65	65	65	65	65	65	65
	Wastewater Treatment Plant	65	65	65	65	65	65	65	65
	Combined Effects	69	69	69	69	69	69	69	69
Golf Course Community	Traffic	67	67	67	67	67	67	66	66
	Central Plant	61	61	61	61	61	61	61	61
	North Parking Structure	65	65	65	65	65	65	65	65
	Loading Dock	65	65	65	65	65	65	65	65
	Combined Effects	69	69	69	69	69	69	68	68
Hill Community	Traffic	62	62	62	62	62	62	62	62
Source: DOT FHWA 2006									

Estimated Mitigated Noise Impacts from Operation - Combined Effects on Soboba Springs Mobile Estates (Proposed Action A)

Stationary Equipment and Infrastructure	Ref.	Usage	L_{REF}	D	TC	IL	Sound Level in Decibels, A-weighted (dBA)							
		Factor	dBA	m	dBA/m	dBA	L_{MAX}	L_{02}	L_{08}	L_{10}	L_{25}	L_{50}	L_{90}	L_{EQ}
AAmbient 65 dBA (set D = 15 m)	1,2	100%	65	15	0.000	0	65	65	65	65	65	65	65	65
City Street Traffic D (heavy)	1	80%	75	15	0.005	8	67	67	67	67	67	67	66	66
Car Park Structure - Alarm	10	100%	68	52	0.005	8	49	49	49	49	49	49	49	49
Car Park Structure - Door Slam	10	20%	45	52	0.005	8	26	22	22	22	21	21	19	19
Car Park Structure - Engine Start	10	20%	62	52	0.005	8	43	39	39	39	38	38	36	36
Car Park Structure - Slow Drive	10	40%	65	52	0.005	8	46	45	45	45	44	44	42	42
Concert - Indoor Stage (exterior)	4	70%	70	110	0.005	8	44	44	44	44	44	44	43	43
Tractor Trailer Truck (18-wheel, idle/slow)	11	20%	75	220	0.005	8	43	39	39	39	38	37	36	36
Tractor Trailer Truck (18-wheel, idle/slow)	11	20%	75	220	0.005	8	43	39	39	39	38	37	36	36
Electric Water Pump (110 HP x 3)	7	100%	55	165	0.005	8	25	25	25	25	25	25	25	25
Electric Water Pump (50 HP x 3)	7	100%	55	165	0.005	8	25	25	25	25	25	25	25	25
Combined Effects of all Equipment and Infrastructure on Receptor							**69**	**69**	**69**	**69**	**69**	**69**	**69**	**69**
Sources: (1) Broch 1971, (2) Plog 1988, (3) Rogers 2006, (4) T&M 1986, (5) Alberts 2006, (6) CPUC 2009, (7) EBMUD 2010, (8) FHWA 2006, (9) ENTRIX 2010, (10) General Plans, (11) EPA 1971														

Estimated Mitigated Noise Impacts from Operation - Combined Effects on Golf Course Community (Proposed Action A)

Stationary Equipment and Infrastructure	Ref.	Usage	L_{REF}	D	TC	IL	Sound Level in Decibels, A-weighted (dBA)							
		Factor	dBA	m	dBA/m	dBA	L_{MAX}	L_{02}	L_{08}	L_{10}	L_{25}	L_{50}	L_{90}	L_{EQ}
AAmbient 65 dBA (set D = 15 m)	1,2	100%	65	15	0.000	0	65	65	65	65	65	65	65	65
City Street Traffic C (moderate)	1	60%	75	22	0.005	5	67	67	67	67	67	66	65	64
Car Park Structure - Alarm	10	100%	68	110	0.005	0	50	50	50	50	50	50	50	50
Car Park Structure - Door Slam	10	20%	45	110	0.005	0	27	23	23	23	23	22	20	20
Car Park Structure - Engine Start	10	20%	62	110	0.005	0	44	40	40	40	40	39	37	37
Car Park Structure - Slow Drive	10	40%	65	110	0.005	0	47	46	46	46	46	45	43	43
Tractor Trailer Truck (18-wheel, idle/slow)	11	20%	75	220	0.005	0	51	47	47	47	46	45	44	44
Tractor Trailer Truck (18-wheel, idle/slow)	11	20%	75	220	0.005	0	51	47	47	47	46	45	44	44
Generator (<25 KVA quiet design)	8	50%	70	170	0.005	8	40	40	40	40	40	39	37	37
HVAC/Refrigeration Unit	8	100%	82	170	0.005	8	52	52	52	52	52	52	52	52
Combined Effects of all Equipment and Infrastructure on Receptor							**69**	**69**	**69**	**69**	**69**	**69**	**68**	**68**
Sources: (1) Broch 1971, (2) Plog 1988, (3) Rogers 2006, (4) T&M 1986, (5) Alberts 2006, (6) CPUC 2009, (7) EBMUD 2010, (8) FHWA 2006, (9) ENTRIX 2010, (10) General Plans, (11) EPA 1971														

Estimated Mitigated Noise Impacts from Operation - Traffic, Soboba Springs Mobile Estates (Proposed Action A)

Stationary Equipment and Infrastructure	Ref.	Usage Factor	L_{REF} dBA	D m	TC dBA/m	IL dBA	Sound Level in Decibels, A-weighted (dBA)							
							L_{MAX}	L_{02}	L_{08}	L_{10}	L_{25}	L_{50}	L_{90}	L_{EQ}
AAmbient 65 dBA (set D = 15 m)	1,2	100%	65	15	0.000	0	65	65	65	65	65	65	65	65
City Street Traffic D (heavy)	1	80%	75	15	0.005	8	67	67	67	67	67	67	66	66
Combined Effects of all Equipment and Infrastructure on Receptor							**69**	**69**	**69**	**69**	**69**	**69**	**69**	**69**

Sources: (1) Broch 1971, (2) Plog 1988, (3) Rogers 2006, (4) T&M 1986, (5) Alberts 2006, (6) CPUC 2009, (7) EBMUD 2010, (8) FHWA 2006, (9) ENTRIX 2010, (10) General Plans, (11) EPA 1971

Estimated Mitigated Noise Impacts from Operation - Traffic, Golf Course Community (Proposed Action A)

Stationary Equipment and Infrastructure	Ref.	Usage	L_{REF}	D	TC	IL	Sound Level in Decibels, A-weighted (dBA)							
		Factor	dBA	m	dBA/m	dBA	L_{MAX}	L_{02}	L_{08}	L_{10}	L_{25}	L_{50}	L_{90}	L_{EQ}
AAmbient 60 dBA (set D = 15 m)	1,2	100%	60	15	0.000	0	60	60	60	60	60	60	60	60
City Street Traffic C (moderate)	1	60%	75	22	0.005	5	67	67	67	67	67	66	65	64
Combined Effects of all Equipment and Infrastructure on Receptor							**67**	**67**	**67**	**67**	**67**	**67**	**66**	**66**
Sources: (1) Broch 1971, (2) Plog 1988, (3) Rogers 2006, (4) T&M 1986, (5) Alberts 2006, (6) CPUC 2009, (7) EBMUD 2010, (8) FHWA 2006, (9) ENTRIX 2010, (10) General Plans, (11) EPA 1971														

Estimated Mitigated Noise Impacts from Operation - Traffic, Hillside Community (Proposed Action A)

Stationary Equipment and Infrastructure	Ref.	Usage Factor	L_{REF} dBA	D m	TC dBA/m	IL dBA	Sound Level in Decibels, A-weighted (dBA) L_{MAX}	L_{02}	L_{08}	L_{10}	L_{25}	L_{50}	L_{90}	L_{EQ}
AAmbient 60 dBA (set D = 15 m)	1,2	100%	60	15	0.000	0	60	60	60	60	60	60	60	60
City Street Traffic C (moderate)	1	60%	75	92	0.005	0	59	59	59	59	59	58	57	57
Combined Effects of all Equipment and Infrastructure on Receptor							**62**	**62**	**62**	**62**	**62**	**62**	**62**	**62**
Sources: (1) Broch 1971, (2) Plog 1988, (3) Rogers 2006, (4) T&M 1986, (5) Alberts 2006, (6) CPUC 2009, (7) EBMUD 2010, (8) FHWA 2006, (9) ENTRIX 2010, (10) General Plans, (11) EPA 1971														

Estimated Mitgated Noise Impacts from Operation - South Parking Structure (Proposed Action A)

Stationary Equipment and Infrastructure	Ref.	Usage Factor	L_{REF} dBA	D m	TC dBA/m	IL dBA	Sound Level in Decibels, A-weighted (dBA)							
							L_{MAX}	L_{02}	L_{08}	L_{10}	L_{25}	L_{50}	L_{90}	L_{EQ}
AAmbient 65 dBA (set D = 15 m)	1,2	100%	65	15	0.000	0	65	65	65	65	65	65	65	65
Car Park Structure - Alarm	10	100%	68	52	0.005	8	49	49	49	49	49	49	49	49
Car Park Structure - Door Slam	10	20%	45	52	0.005	8	26	22	22	22	21	21	19	19
Car Park Structure - Engine Start	10	20%	62	52	0.005	8	43	39	39	39	38	38	36	36
Car Park Structure - Slow Drive	10	40%	65	52	0.005	8	46	45	45	45	44	44	42	42
Combined Effects of all Equipment and Infrastructure on Receptor							**65**	**65**	**65**	**65**	**65**	**65**	**65**	**65**

Sources: (1) Broch 1971, (2) Plog 1988, (3) Rogers 2006, (4) T&M 1986, (5) Alberts 2006, (6) CPUC 2009, (7) EBMUD 2010, (8) FHWA 2006, (9) ENTRIX 2010, (10) General Plans, (11) EPA 1971

Estimated Mitgated Noise Impacts from Operation - North Parking Structure (Proposed Action A)

Stationary Equipment and Infrastructure	Ref.	Usage	L_{REF}	D	TC	IL	Sound Level in Decibels, A-weighted (dBA)							
		Factor	dBA	m	dBA/m	dBA	L_{MAX}	L_{02}	L_{08}	L_{10}	L_{25}	L_{50}	L_{90}	L_{EQ}
AAmbient 65 dBA (set D = 15 m)	1,2	100%	65	15	0.000	0	65	65	65	65	65	65	65	65
Car Park Structure - Alarm	10	100%	68	110	0.005	0	50	50	50	50	50	50	50	50
Car Park Structure - Door Slam	10	20%	45	110	0.005	0	27	23	23	23	23	22	20	20
Car Park Structure - Engine Start	10	20%	62	110	0.005	0	44	40	40	40	40	39	37	37
Car Park Structure - Slow Drive	10	40%	65	110	0.005	0	47	46	46	46	46	45	43	43
Combined Effects of all Equipment and Infrastructure on Receptor							**65**	**65**	**65**	**65**	**65**	**65**	**65**	**65**
Sources: (1) Broch 1971, (2) Plog 1988, (3) Rogers 2006, (4) T&M 1986, (5) Alberts 2006, (6) CPUC 2009, (7) EBMUD 2010, (8) FHWA 2006, (9) ENTRIX 2010, (10) General Plans, (11) EPA 1971														

Estimated Mitgated Noise Impacts from Operation - Events Center (Proposed Action A)

Stationary Equipment and Infrastructure	Ref.	Usage	L_{REF}	D	TC	IL	Sound Level in Decibels, A-weighted (dBA)							
		Factor	dBA	m	dBA/m	dBA	L_{MAX}	L_{02}	L_{08}	L_{10}	L_{25}	L_{50}	L_{90}	L_{EQ}
AAmbient 65 dBA (set D = 15 m)	1,2	100%	65	15	0.000	0	65	65	65	65	65	65	65	65
Concert - Indoor Stage (exterior)	4	70%	70	110	0.005	8	44	44	44	44	44	44	43	43
Combined Effects of all Equipment and Infrastructure on Receptor							**65**	**65**	**65**	**65**	**65**	**65**	**65**	**65**
Sources: (1) Broch 1971, (2) Plog 1988, (3) Rogers 2006, (4) T&M 1986, (5) Alberts 2006, (6) CPUC 2009, (7) EBMUD 2010, (8) FHWA 2006, (9) ENTRIX 2010, (10) General Plans, (11) EPA 1971														

Estimated Mitgated Noise Impacts from Operation - Loading Dock, Soboba Springs Mobile Estates (Proposed Action A)

Stationary Equipment and Infrastructure	Ref.	Usage Factor	L_{REF} dBA	D m	TC dBA/m	IL dBA	Sound Level in Decibels, A-weighted (dBA)							
							L_{MAX}	L_{02}	L_{08}	L_{10}	L_{25}	L_{50}	L_{90}	L_{EQ}
AAmbient 65 dBA (set D = 15 m)	1,2	100%	65	15	0.000	0	65	65	65	65	65	65	65	65
Tractor Trailer Truck (18-wheel, idle/slow)	11	20%	75	220	0.005	8	43	39	39	39	38	37	36	36
Tractor Trailer Truck (18-wheel, idle/slow)	11	20%	75	220	0.005	8	43	39	39	39	38	37	36	36
Combined Effects of all Equipment and Infrastructure on Receptor							**65**	**65**	**65**	**65**	**65**	**65**	**65**	**65**

Sources: (1) Broch 1971, (2) Plog 1988, (3) Rogers 2006, (4) T&M 1986, (5) Alberts 2006, (6) CPUC 2009, (7) EBMUD 2010, (8) FHWA 2006, (9) ENTRIX 2010, (10) General Plans, (11) EPA 1971

Estimated Mitgated Noise Impacts from Operation - Loading Dock, Golf Course Community (Proposed Action A)

Stationary Equipment and Infrastructure	Ref.	Usage	L_{REF}	D	TC	IL	Sound Level in Decibels, A-weighted (dBA)							
		Factor	dBA	m	dBA/m	dBA	L_{MAX}	L_{02}	L_{08}	L_{10}	L_{25}	L_{50}	L_{90}	L_{EQ}
AAmbient 65 dBA (set D = 15 m)	1,2	100%	65	15	0.000	0	65	65	65	65	65	65	65	65
Tractor Trailer Truck (18-wheel, idle/slow)	11	20%	75	220	0.005	0	51	47	47	47	46	45	44	44
Tractor Trailer Truck (18-wheel, idle/slow)	11	20%	75	220	0.005	0	51	47	47	47	46	45	44	44
Combined Effects of all Equipment and Infrastructure on Receptor							**65**	**65**	**65**	**65**	**65**	**65**	**65**	**65**
Sources: (1) Broch 1971, (2) Plog 1988, (3) Rogers 2006, (4) T&M 1986, (5) Alberts 2006, (6) CPUC 2009, (7) EBMUD 2010, (8) FHWA 2006, (9) ENTRIX 2010, (10) General Plans, (11) EPA 1971														

Estimated Mitgated Noise Impacts from Operation - Central Plant (Proposed Action A)

Stationary Equipment and Infrastructure	Ref.	Usage Factor	L_{REF} dBA	D m	TC dBA/m	IL dBA	Sound Level in Decibels, A-weighted (dBA)							
							L_{MAX}	L_{02}	L_{08}	L_{10}	L_{25}	L_{50}	L_{90}	L_{EQ}
AAmbient 60 dBA (set D = 15 m)	1,2	100%	60	15	0.000	0	60	60	60	60	60	60	60	60
HVAC/Refrigeration Unit	8	100%	82	170	0.005	8	52	52	52	52	52	52	52	52
Generator (<25 KVA quiet design)	8	50%	70	170	0.005	8	40	40	40	40	40	39	37	37
Combined Effects of all Equipment and Infrastructure on Receptor							**61**	**61**	**61**	**61**	**61**	**61**	**61**	**61**
Sources: (1) Broch 1971, (2) Plog 1988, (3) Rogers 2006, (4) T&M 1986, (5) Alberts 2006, (6) CPUC 2009, (7) EBMUD 2010, (8) FHWA 2006, (9) ENTRIX 2010, (10) General Plans, (11) EPA 1971														

Estimated Mitgated Noise Impacts from Operation - Wastewater Treatment Plant (Proposed Action A)

Stationary Equipment and Infrastructure	Ref.	Usage Factor	L_{REF} dBA	D m	TC dBA/m	IL dBA	Sound Level in Decibels, A-weighted (dBA)							
							L_{MAX}	L_{02}	L_{08}	L_{10}	L_{25}	L_{50}	L_{90}	L_{EQ}
AAmbient 65 dBA (set D = 15 m)	1,2	100%	65	15	0.000	0	65	65	65	65	65	65	65	65
Electric Water Pump (110 HP x 3)	7	100%	55	165	0.005	8	25	25	25	25	25	25	25	25
Electric Water Pump (50 HP x 3)	7	100%	55	165	0.005	8	25	25	25	25	25	25	25	25
Combined Effects of all Equipment and Infrastructure on Receptor							**65**	**65**	**65**	**65**	**65**	**65**	**65**	**65**
Sources: (1) Broch 1971, (2) Plog 1988, (3) Rogers 2006, (4) T&M 1986, (5) Alberts 2006, (6) CPUC 2009, (7) EBMUD 2010, (8) FHWA 2006, (9) ENTRIX 2010, (10) General Plans, (11) EPA 1971														

Unmitigated Operational Noise - Proposed Action B

Estimated Unmitigated Operational Noise Impacts from Stationary Equipment and Onroad Vehicles - Summary (Proposed Action B)

Receptor Location	Noise Source	Sound Level in Decibels, A-weighted (dBA)							
		L_{MAX}	L_{02}	L_{08}	L_{10}	L_{25}	L_{50}	L_{90}	L_{EQ}
Soboba Springs Community	Traffic	71	71	71	71	71	71	71	71
	South Parking Structure	66	66	66	66	66	66	66	66
	Events Center	66	66	66	66	66	66	66	66
	Loading Dock	65	65	65	65	65	65	65	65
	Wastewater Treatment Plant	65	65	65	65	65	65	65	65
	Combined Effects	72	72	72	72	72	72	72	72
Golf Course Community	Traffic	67	67	67	67	67	67	66	66
	Central Plant	62	62	62	62	62	62	62	62
	North Parking Structure	65	65	65	65	65	65	65	65
	Loading Dock	65	65	65	65	65	65	65	65
	Combined Effects	69	69	69	69	69	69	68	68
Hill Community	Traffic	62	62	62	62	62	62	62	62

Source: DOT FHWA 2006

Estimated Unmitigated Noise Impacts from Operation - Combined Effects on Soboba Springs Mobile Estates (Proposed Action B)

Stationary Equipment and Infrastructure	Ref.	Usage Factor	L_{REF} dBA	D m	TC dBA/m	IL dBA	Sound Level in Decibels, A-weighted (dBA)							
							L_{MAX}	L_{02}	L_{08}	L_{10}	L_{25}	L_{50}	L_{90}	L_{EQ}
AAmbient 65 dBA (set D = 15 m)	1,2	100%	65	15	0.000	0	65	65	65	65	65	65	65	65
City Street Traffic F (congested)	1	100%	75	15	0.005	5	70	70	70	70	70	70	70	70
Car Park Structure - Alarm	10	100%	68	30	0.005	5	57	57	57	57	57	57	57	57
Car Park Structure - Door Slam	10	20%	45	30	0.005	5	34	30	30	30	29	29	27	27
Car Park Structure - Engine Start	10	20%	62	30	0.005	5	51	47	47	47	46	46	44	44
Car Park Structure - Slow Drive	10	40%	65	30	0.005	5	54	53	53	53	52	52	50	50
Concert - Indoor Stage (exterior)	4	70%	70	24	0.005	5	61	61	61	61	61	61	60	59
Tractor Trailer Truck (18-wheel, idle/slow)	11	20%	75	220	0.005	5	46	42	42	42	41	40	39	39
Tractor Trailer Truck (18-wheel, idle/slow)	11	20%	75	220	0.005	5	46	42	42	42	41	40	39	39
Electric Water Pump (110 HP x 3)	7	100%	55	165	0.005	5	28	28	28	28	28	28	28	28
Electric Water Pump (50 HP x 3)	7	100%	55	165	0.005	5	28	28	28	28	28	28	28	28
Combined Effects of all Equipment and Infrastructure on Receptor							**72**	**72**	**72**	**72**	**72**	**72**	**72**	**72**

Sources: (1) Broch 1971, (2) Plog 1988, (3) Rogers 2006, (4) T&M 1986, (5) Alberts 2006, (6) CPUC 2009, (7) EBMUD 2010, (8) FHWA 2006, (9) ENTRIX 2010, (10) General Plans, (11) EPA 1971

Estimated Unmitigated Noise Impacts from Operation - Combined Effects on Golf Course Community (Proposed Action B)

Stationary Equipment and Infrastructure	Ref.	Usage	L_{REF}	D	TC	IL	Sound Level in Decibels, A-weighted (dBA)							
		Factor	dBA	m	dBA/m	dBA	L_{MAX}	L_{02}	L_{08}	L_{10}	L_{25}	L_{50}	L_{90}	L_{EQ}
AAmbient 65 dBA (set D = 15 m)	1,2	100%	65	15	0.000	0	65	65	65	65	65	65	65	65
City Street Traffic C (moderate)	1	60%	75	22	0.005	5	67	67	67	67	67	66	65	64
Car Park Structure - Alarm	10	100%	68	110	0.005	0	50	50	50	50	50	50	50	50
Car Park Structure - Door Slam	10	20%	45	110	0.005	0	27	23	23	23	23	22	20	20
Car Park Structure - Engine Start	10	20%	62	110	0.005	0	44	40	40	40	40	39	37	37
Car Park Structure - Slow Drive	10	40%	65	110	0.005	0	47	46	46	46	46	45	43	43
Tractor Trailer Truck (18-wheel, idle/slow)	11	20%	75	220	0.005	0	51	47	47	47	46	45	44	44
Tractor Trailer Truck (18-wheel, idle/slow)	11	20%	75	220	0.005	0	51	47	47	47	46	45	44	44
Generator (<25 KVA quiet design)	8	50%	70	220	0.005	0	46	46	46	46	45	44	43	43
HVAC/Refrigeration Unit	8	100%	82	220	0.005	0	58	58	58	58	58	58	58	58
Combined Effects of all Equipment and Infrastructure on Receptor							**69**	**69**	**69**	**69**	**69**	**69**	**68**	**68**

Sources: (1) Broch 1971, (2) Plog 1988, (3) Rogers 2006, (4) T&M 1986, (5) Alberts 2006, (6) CPUC 2009, (7) EBMUD 2010, (8) FHWA 2006, (9) ENTRIX 2010, (10) General Plans, (11) EPA 1971

Estimated Unmitigated Noise Impacts from Operation - Traffic, Soboba Springs Mobile Estates (Proposed Action B)

Stationary Equipment and Infrastructure	Ref.	Usage	L_{REF}	D	TC	IL	Sound Level in Decibels, A-weighted (dBA)							
		Factor	dBA	m	dBA/m	dBA	L_{MAX}	L_{02}	L_{08}	L_{10}	L_{25}	L_{50}	L_{90}	L_{EQ}
AAmbient 65 dBA (set D = 15 m)	1,2	100%	65	15	0.000	0	65	65	65	65	65	65	65	65
City Street Traffic F (congested)	1	100%	75	15	0.005	5	70	70	70	70	70	70	70	70
Combined Effects of all Equipment and Infrastructure on Receptor							**71**	**71**	**71**	**71**	**71**	**71**	**71**	**71**
Sources: (1) Broch 1971, (2) Plog 1988, (3) Rogers 2006, (4) T&M 1986, (5) Alberts 2006, (6) CPUC 2009, (7) EBMUD 2010, (8) FHWA 2006, (9) ENTRIX 2010, (10) General Plans, (11) EPA 1971														

Estimated Unmitigated Noise Impacts from Operation - Traffic, Golf Course Community (Proposed Action B)

Stationary Equipment and Infrastructure	Ref.	Usage Factor	L_{REF} dBA	D m	TC dBA/m	IL dBA	Sound Level in Decibels, A-weighted (dBA)							
							L_{MAX}	L_{02}	L_{08}	L_{10}	L_{25}	L_{50}	L_{90}	L_{EQ}
AAmbient 60 dBA (set D = 15 m)	1,2	100%	60	15	0.000	0	60	60	60	60	60	60	60	60
City Street Traffic C (moderate)	1	60%	75	22	0.005	5	67	67	67	67	67	66	65	64
Combined Effects of all Equipment and Infrastructure on Receptor							**67**	**67**	**67**	**67**	**67**	**67**	**66**	**66**
Sources: (1) Broch 1971, (2) Plog 1988, (3) Rogers 2006, (4) T&M 1986, (5) Alberts 2006, (6) CPUC 2009, (7) EBMUD 2010, (8) FHWA 2006, (9) ENTRIX 2010, (10) General Plans, (11) EPA 1971														

Estimated Unmitigated Noise Impacts from Operation - Traffic, Hillside Community (Proposed Action B)

Stationary Equipment and Infrastructure	Ref.	Usage Factor	L_{REF} dBA	D m	TC dBA/m	IL dBA	Sound Level in Decibels, A-weighted (dBA) L_{MAX}	L_{02}	L_{08}	L_{10}	L_{25}	L_{50}	L_{90}	L_{EQ}
AAmbient 60 dBA (set D = 15 m)	1,2	100%	60	15	0.000	0	60	60	60	60	60	60	60	60
City Street Traffic C (moderate)	1	60%	75	92	0.005	0	59	59	59	59	59	58	57	57
Combined Effects of all Equipment and Infrastructure on Receptor							**62**	**62**	**62**	**62**	**62**	**62**	**62**	**62**

Sources: (1) Broch 1971, (2) Plog 1988, (3) Rogers 2006, (4) T&M 1986, (5) Alberts 2006, (6) CPUC 2009, (7) EBMUD 2010, (8) FHWA 2006, (9) ENTRIX 2010, (10) General Plans, (11) EPA 1971

Estimated Unmitgated Noise Impacts from Operation - South Parking Structure (Proposed Action B)

Stationary Equipment and Infrastructure	Ref.	Usage Factor	L_{REF} dBA	D m	TC dBA/m	IL dBA	Sound Level in Decibels, A-weighted (dBA)							
							L_{MAX}	L_{02}	L_{08}	L_{10}	L_{25}	L_{50}	L_{90}	L_{EQ}
AAmbient 65 dBA (set D = 15 m)	1,2	100%	65	15	0.000	0	65	65	65	65	65	65	65	65
Car Park Structure - Alarm	10	100%	68	30	0.005	5	57	57	57	57	57	57	57	57
Car Park Structure - Door Slam	10	20%	45	30	0.005	5	34	30	30	30	29	29	27	27
Car Park Structure - Engine Start	10	20%	62	30	0.005	5	51	47	47	47	46	46	44	44
Car Park Structure - Slow Drive	10	40%	65	30	0.005	5	54	53	53	53	52	52	50	50
Combined Effects of all Equipment and Infrastructure on Receptor							**66**	**66**	**66**	**66**	**66**	**66**	**66**	**66**
Sources: (1) Broch 1971, (2) Plog 1988, (3) Rogers 2006, (4) T&M 1986, (5) Alberts 2006, (6) CPUC 2009, (7) EBMUD 2010, (8) FHWA 2006, (9) ENTRIX 2010, (10) General Plans, (11) EPA 1971														

Estimated Unmitgated Noise Impacts from Operation - North Parking Structure (Proposed Action B)

Stationary Equipment and Infrastructure	Ref.	Usage	L_{REF}	D	TC	IL	Sound Level in Decibels, A-weighted (dBA)							
		Factor	dBA	m	dBA/m	dBA	L_{MAX}	L_{02}	L_{08}	L_{10}	L_{25}	L_{50}	L_{90}	L_{EQ}
AAmbient 65 dBA (set D = 15 m)	1,2	100%	65	15	0.000	0	65	65	65	65	65	65	65	65
Car Park Structure - Alarm	10	100%	68	110	0.005	0	50	50	50	50	50	50	50	50
Car Park Structure - Door Slam	10	20%	45	110	0.005	0	27	23	23	23	23	22	20	20
Car Park Structure - Engine Start	10	20%	62	110	0.005	0	44	40	40	40	40	39	37	37
Car Park Structure - Slow Drive	10	40%	65	110	0.005	0	47	46	46	46	46	45	43	43
Combined Effects of all Equipment and Infrastructure on Receptor							**65**	**65**	**65**	**65**	**65**	**65**	**65**	**65**
Sources: (1) Broch 1971, (2) Plog 1988, (3) Rogers 2006, (4) T&M 1986, (5) Alberts 2006, (6) CPUC 2009, (7) EBMUD 2010, (8) FHWA 2006, (9) ENTRIX 2010, (10) General Plans, (11) EPA 1971														

Estimated Unmitgated Noise Impacts from Operation - Events Center (Proposed Action B)

Stationary Equipment and Infrastructure	Ref.	Usage Factor	L_{REF} dBA	D m	TC dBA/m	IL dBA	Sound Level in Decibels, A-weighted (dBA) L_{MAX}	L_{02}	L_{08}	L_{10}	L_{25}	L_{50}	L_{90}	L_{EQ}
AAmbient 65 dBA (set D = 15 m)	1,2	100%	65	15	0.000	0	65	65	65	65	65	65	65	65
Concert - Indoor Stage (exterior)	4	70%	70	24	0.005	5	61	61	61	61	61	61	60	59
Combined Effects of all Equipment and Infrastructure on Receptor							**66**	**66**	**66**	**66**	**66**	**66**	**66**	**66**
Sources: (1) Broch 1971, (2) Plog 1988, (3) Rogers 2006, (4) T&M 1986, (5) Alberts 2006, (6) CPUC 2009, (7) EBMUD 2010, (8) FHWA 2006, (9) ENTRIX 2010, (10) General Plans, (11) EPA 1971														

Estimated Unmitgated Noise Impacts from Operation - Loading Dock, Soboba Springs Mobile Estates (Proposed Action B)

Stationary Equipment and Infrastructure	Ref.	Usage	L_{REF}	D	TC	IL	Sound Level in Decibels, A-weighted (dBA)							
		Factor	dBA	m	dBA/m	dBA	L_{MAX}	L_{02}	L_{08}	L_{10}	L_{25}	L_{50}	L_{90}	L_{EQ}
AAmbient 65 dBA (set D = 15 m)	1,2	100%	65	15	0.000	0	65	65	65	65	65	65	65	65
Tractor Trailer Truck (18-wheel, idle/slow)	11	20%	75	220	0.005	5	46	42	42	42	41	40	39	39
Tractor Trailer Truck (18-wheel, idle/slow)	11	20%	75	220	0.005	5	46	42	42	42	41	40	39	39
Combined Effects of all Equipment and Infrastructure on Receptor							**65**	**65**	**65**	**65**	**65**	**65**	**65**	**65**
Sources: (1) Broch 1971, (2) Plog 1988, (3) Rogers 2006, (4) T&M 1986, (5) Alberts 2006, (6) CPUC 2009, (7) EBMUD 2010, (8) FHWA 2006, (9) ENTRIX 2010, (10) General Plans, (11) EPA 1971														

Estimated Unmitgated Noise Impacts from Operation - Loading Dock, Golf Course Community (Proposed Action B)

Stationary Equipment and Infrastructure	Ref.	Usage	L_{REF}	D	TC	IL	Sound Level in Decibels, A-weighted (dBA)							
		Factor	dBA	m	dBA/m	dBA	L_{MAX}	L_{02}	L_{08}	L_{10}	L_{25}	L_{50}	L_{90}	L_{EQ}
AAmbient 65 dBA (set D = 15 m)	1,2	100%	65	15	0.000	0	65	65	65	65	65	65	65	65
Tractor Trailer Truck (18-wheel, idle/slow)	11	20%	75	220	0.005	0	51	47	47	47	46	45	44	44
Tractor Trailer Truck (18-wheel, idle/slow)	11	20%	75	220	0.005	0	51	47	47	47	46	45	44	44
Combined Effects of all Equipment and Infrastructure on Receptor							**65**	**65**	**65**	**65**	**65**	**65**	**65**	**65**
Sources: (1) Broch 1971, (2) Plog 1988, (3) Rogers 2006, (4) T&M 1986, (5) Alberts 2006, (6) CPUC 2009, (7) EBMUD 2010, (8) FHWA 2006, (9) ENTRIX 2010, (10) General Plans, (11) EPA 1971														

Estimated Unmitgated Noise Impacts from Operation - Central Plant (Proposed Action B)

Stationary Equipment and Infrastructure	Ref.	Usage	L_{REF}	D	TC	IL	Sound Level in Decibels, A-weighted (dBA)							
		Factor	dBA	m	dBA/m	dBA	L_{MAX}	L_{02}	L_{08}	L_{10}	L_{25}	L_{50}	L_{90}	L_{EQ}
AAmbient 60 dBA (set D = 15 m)	1,2	100%	60	15	0.000	0	60	60	60	60	60	60	60	60
HVAC/Refrigeration Unit	8	100%	82	220	0.005	0	58	58	58	58	58	58	58	58
Generator (<25 KVA quiet design)	8	50%	70	220	0.005	0	46	46	46	46	45	44	43	43
Combined Effects of all Equipment and Infrastructure on Receptor							**62**	**62**	**62**	**62**	**62**	**62**	**62**	**62**
Sources: (1) Broch 1971, (2) Plog 1988, (3) Rogers 2006, (4) T&M 1986, (5) Alberts 2006, (6) CPUC 2009, (7) EBMUD 2010, (8) FHWA 2006, (9) ENTRIX 2010, (10) General Plans, (11) EPA 1971														

Estimated Unmitgated Noise Impacts from Operation - Wastewater Treatment Plant (Proposed Action B)

Stationary Equipment and Infrastructure	Ref.	Usage	L_{REF}	D	TC	IL	Sound Level in Decibels, A-weighted (dBA)							
		Factor	dBA	m	dBA/m	dBA	L_{MAX}	L_{02}	L_{08}	L_{10}	L_{25}	L_{50}	L_{90}	L_{EQ}
AAmbient 65 dBA (set D = 15 m)	1,2	100%	65	15	0.000	0	65	65	65	65	65	65	65	65
Electric Water Pump (110 HP x 3)	7	100%	55	165	0.005	5	28	28	28	28	28	28	28	28
Electric Water Pump (50 HP x 3)	7	100%	55	165	0.005	5	28	28	28	28	28	28	28	28
Combined Effects of all Equipment and Infrastructure on Receptor							**65**	**65**	**65**	**65**	**65**	**65**	**65**	**65**
Sources: (1) Broch 1971, (2) Plog 1988, (3) Rogers 2006, (4) T&M 1986, (5) Alberts 2006, (6) CPUC 2009, (7) EBMUD 2010, (8) FHWA 2006, (9) ENTRIX 2010, (10) General Plans, (11) EPA 1971														

Ambient Traffic Noise

Stationary Equipment and Infrastructure	Ref.	Usage Factor	L_{REF} dBA	D m	TC dBA/m	IL dBA	Sound Level in Decibels, A-weighted (dBA) L_{MAX}	L_{02}	L_{08}	L_{10}	L_{25}	L_{50}	L_{90}	L_{EQ}
AAmbient 65 dBA (set D = 15 m)	1,2	100%	65	15	0.000	0	65	65	65	65	65	65	65	65
City Street Traffic C (moderate)	1	60%	75	165	0.005	0	53	53	53	53	53	53	51	51
Combined Effects of all Equipment and Infrastructure on Receptor							**65**	**65**	**65**	**65**	**65**	**65**	**65**	**65**

Sources: (1) Broch 1971, (2) Plog 1988, (3) Rogers 2006, (4) T&M 1986, (5) Alberts 2006, (6) CPUC 2009, (7) EBMUD 2010, (8) FHWA 2006, (9) ENTRIX 2010, (10) General Plans, (11) EPA 1971

Mitigated Operational Noise - Proposed Action B

Table X-9 Estimated Operational Noise Impacts from Stationary Equipment and Onroad Vehicles (Actions A or B, unmitigated)

Receptor Location	Noise Source	Sound Level in Decibels, A-weighted (dBA)							
		L_{MAX}	L_{02}	L_{08}	L_{10}	L_{25}	L_{50}	L_{90}	L_{EQ}
Soboba Springs Community	Traffic	69	69	69	69	69	69	69	69
	South Parking Structure	66	65	65	65	65	65	65	65
	Events Center	66	66	66	66	66	66	66	66
	Loading Dock	65	65	65	65	65	65	65	65
	Wastewater Treatment Plant	65	65	65	65	65	65	65	65
	Combined Effects	70	70	70	70	70	70	69	69
Golf Course Community	Traffic	67	67	67	67	67	67	66	66
	Central Plant	60	60	60	60	60	60	60	60
	North Parking Structure	65	65	65	65	65	65	65	65
	Loading Dock	65	65	65	65	65	65	65	65
	Combined Effects	69	69	69	69	69	69	68	68
Hill Community	Traffic	62	62	62	62	62	62	62	62

Source: DOT FHWA 2006

Estimated Mitigated Noise Impacts from Operation - Combined Effects on Soboba Springs Mobile Estates (Proposed Action B)

Stationary Equipment and Infrastructure	Ref.	Usage Factor	L_{REF} dBA	D m	TC dBA/m	IL dBA	Sound Level in Decibels, A-weighted (dBA) L_{MAX}	L_{02}	L_{08}	L_{10}	L_{25}	L_{50}	L_{90}	L_{EQ}
AAmbient 65 dBA (set D = 15 m)	1,2	100%	65	15	0.000	0	65	65	65	65	65	65	65	65
City Street Traffic D (heavy)	1	80%	75	15	0.005	8	67	67	67	67	67	67	66	66
Car Park Structure - Alarm	10	100%	68	30	0.005	8	54	54	54	54	54	54	54	54
Car Park Structure - Door Slam	10	20%	45	30	0.005	8	31	27	27	27	26	26	24	24
Car Park Structure - Engine Start	10	20%	62	30	0.005	8	48	44	44	44	43	43	41	41
Car Park Structure - Slow Drive	10	40%	65	30	0.005	8	51	50	50	50	49	49	47	47
Concert - Indoor Stage (exterior)	4	70%	70	24	0.005	8	58	58	58	58	58	58	57	56
Tractor Trailer Truck (18-wheel, idle/slow)	11	20%	75	220	0.005	8	43	39	39	39	38	37	36	36
Tractor Trailer Truck (18-wheel, idle/slow)	11	20%	75	220	0.005	8	43	39	39	39	38	37	36	36
Electric Water Pump (110 HP x 3)	7	100%	55	165	0.005	8	25	25	25	25	25	25	25	25
Electric Water Pump (50 HP x 3)	7	100%	55	165	0.005	8	25	25	25	25	25	25	25	25
Combined Effects of all Equipment and Infrastructure on Receptor							**70**	**70**	**70**	**70**	**70**	**70**	**69**	**69**

Sources: (1) Broch 1971, (2) Plog 1988, (3) Rogers 2006, (4) T&M 1986, (5) Alberts 2006, (6) CPUC 2009, (7) EBMUD 2010, (8) FHWA 2006, (9) ENTRIX 2010, (10) General Plans, (11) EPA 1971

Estimated Mitigated Noise Impacts from Operation - Combined Effects on Golf Course Community (Proposed Action B)

Stationary Equipment and Infrastructure	Ref.	Usage	L_{REF}	D	TC	IL	Sound Level in Decibels, A-weighted (dBA)							
		Factor	dBA	m	dBA/m	dBA	L_{MAX}	L_{02}	L_{08}	L_{10}	L_{25}	L_{50}	L_{90}	L_{EQ}
AAmbient 65 dBA (set D = 15 m)	1,2	100%	65	15	0.000	0	65	65	65	65	65	65	65	65
City Street Traffic C (moderate)	1	60%	75	22	0.005	5	67	67	67	67	67	66	65	64
Car Park Structure - Alarm	10	100%	68	110	0.005	0	50	50	50	50	50	50	50	50
Car Park Structure - Door Slam	10	20%	45	110	0.005	0	27	23	23	23	23	22	20	20
Car Park Structure - Engine Start	10	20%	62	110	0.005	0	44	40	40	40	40	39	37	37
Car Park Structure - Slow Drive	10	40%	65	110	0.005	0	47	46	46	46	46	45	43	43
Tractor Trailer Truck (18-wheel, idle/slow)	11	20%	75	220	0.005	0	51	47	47	47	46	45	44	44
Tractor Trailer Truck (18-wheel, idle/slow)	11	20%	75	220	0.005	0	51	47	47	47	46	45	44	44
Generator (<25 KVA quiet design)	8	50%	70	220	0.005	8	38	38	38	38	37	36	35	35
HVAC/Refrigeration Unit	8	100%	82	220	0.005	8	50	50	50	50	50	50	50	50
Combined Effects of all Equipment and Infrastructure on Receptor							**69**	**69**	**69**	**69**	**69**	**69**	**68**	**68**

Sources: (1) Broch 1971, (2) Plog 1988, (3) Rogers 2006, (4) T&M 1986, (5) Alberts 2006, (6) CPUC 2009, (7) EBMUD 2010, (8) FHWA 2006, (9) ENTRIX 2010, (10) General Plans, (11) EPA 1971

Estimated Mitigated Noise Impacts from Operation - Traffic, Soboba Springs Mobile Estates (Proposed Action B)

Stationary Equipment and Infrastructure	Ref.	Usage	L_{REF}	D	TC	IL	Sound Level in Decibels, A-weighted (dBA)							
		Factor	dBA	m	dBA/m	dBA	L_{MAX}	L_{02}	L_{08}	L_{10}	L_{25}	L_{50}	L_{90}	L_{EQ}
AAmbient 65 dBA (set D = 15 m)	1,2	100%	65	15	0.000	0	65	65	65	65	65	65	65	65
City Street Traffic D (heavy)	1	80%	75	15	0.005	8	67	67	67	67	67	67	66	66
Combined Effects of all Equipment and Infrastructure on Receptor							**69**	**69**	**69**	**69**	**69**	**69**	**69**	**69**
Sources: (1) Broch 1971, (2) Plog 1988, (3) Rogers 2006, (4) T&M 1986, (5) Alberts 2006, (6) CPUC 2009, (7) EBMUD 2010, (8) FHWA 2006, (9) ENTRIX 2010, (10) General Plans, (11) EPA 1971														

Estimated Mitigated Noise Impacts from Operation - Traffic, Golf Course Community (Proposed Action B)

Stationary Equipment and Infrastructure	Ref.	Usage	L_{REF}	D	TC	IL	Sound Level in Decibels, A-weighted (dBA)							
		Factor	dBA	m	dBA/m	dBA	L_{MAX}	L_{02}	L_{08}	L_{10}	L_{25}	L_{50}	L_{90}	L_{EQ}
AAmbient 60 dBA (set D = 15 m)	1,2	100%	60	15	0.000	0	60	60	60	60	60	60	60	60
City Street Traffic C (moderate)	1	60%	75	22	0.005	5	67	67	67	67	67	66	65	64
Combined Effects of all Equipment and Infrastructure on Receptor							**67**	**67**	**67**	**67**	**67**	**67**	**66**	**66**
Sources: (1) Broch 1971, (2) Plog 1988, (3) Rogers 2006, (4) T&M 1986, (5) Alberts 2006, (6) CPUC 2009, (7) EBMUD 2010, (8) FHWA 2006, (9) ENTRIX 2010, (10) General Plans, (11) EPA 1971														

Estimated Mitigated Noise Impacts from Operation - Traffic, Hillside Community (Proposed Action B)

Stationary Equipment and Infrastructure	Ref.	Usage Factor	L_{REF} dBA	D m	TC dBA/m	IL dBA	L_{MAX}	L_{02}	L_{08}	L_{10}	L_{25}	L_{50}	L_{90}	L_{EQ}
							Sound Level in Decibels, A-weighted (dBA)							
AAmbient 60 dBA (set D = 15 m)	1,2	100%	60	15	0.000	0	60	60	60	60	60	60	60	60
City Street Traffic C (moderate)	1	60%	75	92	0.005	0	59	59	59	59	59	58	57	57
Combined Effects of all Equipment and Infrastructure on Receptor							**62**	**62**	**62**	**62**	**62**	**62**	**62**	**62**
Sources: (1) Broch 1971, (2) Plog 1988, (3) Rogers 2006, (4) T&M 1986, (5) Alberts 2006, (6) CPUC 2009, (7) EBMUD 2010, (8) FHWA 2006, (9) ENTRIX 2010, (10) General Plans, (11) EPA 1971														

Estimated Mitgated Noise Impacts from Operation - South Parking Structure (Proposed Action B)

Stationary Equipment and Infrastructure	Ref.	Usage	L_{REF}	D	TC	IL	Sound Level in Decibels, A-weighted (dBA)							
		Factor	dBA	m	dBA/m	dBA	L_{MAX}	L_{02}	L_{08}	L_{10}	L_{25}	L_{50}	L_{90}	L_{EQ}
AAmbient 65 dBA (set D = 15 m)	1,2	100%	65	15	0.000	0	65	65	65	65	65	65	65	65
Car Park Structure - Alarm	10	100%	68	30	0.005	8	54	54	54	54	54	54	54	54
Car Park Structure - Door Slam	10	20%	45	30	0.005	8	31	27	27	27	26	26	24	24
Car Park Structure - Engine Start	10	20%	62	30	0.005	8	48	44	44	44	43	43	41	41
Car Park Structure - Slow Drive	10	40%	65	30	0.005	8	51	50	50	50	49	49	47	47
Combined Effects of all Equipment and Infrastructure on Receptor							**66**	**65**	**65**	**65**	**65**	**65**	**65**	**65**

Sources: (1) Broch 1971, (2) Plog 1988, (3) Rogers 2006, (4) T&M 1986, (5) Alberts 2006, (6) CPUC 2009, (7) EBMUD 2010, (8) FHWA 2006, (9) ENTRIX 2010, (10) General Plans, (11) EPA 1971

Estimated Mitgated Noise Impacts from Operation - North Parking Structure (Proposed Action B)

Stationary Equipment and Infrastructure	Ref.	Usage	L_{REF}	D	TC	IL	Sound Level in Decibels, A-weighted (dBA)							
		Factor	dBA	m	dBA/m	dBA	L_{MAX}	L_{02}	L_{08}	L_{10}	L_{25}	L_{50}	L_{90}	L_{EQ}
AAmbient 65 dBA (set D = 15 m)	1,2	100%	65	15	0.000	0	65	65	65	65	65	65	65	65
Car Park Structure - Alarm	10	100%	68	110	0.005	0	50	50	50	50	50	50	50	50
Car Park Structure - Door Slam	10	20%	45	110	0.005	0	27	23	23	23	23	22	20	20
Car Park Structure - Engine Start	10	20%	62	110	0.005	0	44	40	40	40	40	39	37	37
Car Park Structure - Slow Drive	10	40%	65	110	0.005	0	47	46	46	46	46	45	43	43
Combined Effects of all Equipment and Infrastructure on Receptor							**65**	**65**	**65**	**65**	**65**	**65**	**65**	**65**
Sources: (1) Broch 1971, (2) Plog 1988, (3) Rogers 2006, (4) T&M 1986, (5) Alberts 2006, (6) CPUC 2009, (7) EBMUD 2010, (8) FHWA 2006, (9) ENTRIX 2010, (10) General Plans, (11) EPA 1971														

Estimated Mitgated Noise Impacts from Operation - Events Center (Proposed Action B)

Stationary Equipment and Infrastructure	Ref.	Usage	L_{REF}	D	TC	IL	Sound Level in Decibels, A-weighted (dBA)							
		Factor	dBA	m	dBA/m	dBA	L_{MAX}	L_{02}	L_{08}	L_{10}	L_{25}	L_{50}	L_{90}	L_{EQ}
AAmbient 65 dBA (set D = 15 m)	1,2	100%	65	15	0.000	0	65	65	65	65	65	65	65	65
Concert - Indoor Stage (exterior)	4	70%	70	24	0.005	8	58	58	58	58	58	58	57	56
Combined Effects of all Equipment and Infrastructure on Receptor							**66**	**66**	**66**	**66**	**66**	**66**	**66**	**66**
Sources: (1) Broch 1971, (2) Plog 1988, (3) Rogers 2006, (4) T&M 1986, (5) Alberts 2006, (6) CPUC 2009, (7) EBMUD 2010, (8) FHWA 2006, (9) ENTRIX 2010, (10) General Plans, (11) EPA 1971														

Estimated Mitgated Noise Impacts from Operation - Loading Dock, Soboba Springs Mobile Estates (Proposed Action B)

Stationary Equipment and Infrastructure	Ref.	Usage Factor	L_{REF} dBA	D m	TC dBA/m	IL dBA	Sound Level in Decibels, A-weighted (dBA) L_{MAX}	L_{02}	L_{08}	L_{10}	L_{25}	L_{50}	L_{90}	L_{EQ}
AAmbient 65 dBA (set D = 15 m)	1,2	100%	65	15	0.000	0	65	65	65	65	65	65	65	65
Tractor Trailer Truck (18-wheel, idle/slow)	11	20%	75	220	0.005	8	43	39	39	39	38	37	36	36
Tractor Trailer Truck (18-wheel, idle/slow)	11	20%	75	220	0.005	8	43	39	39	39	38	37	36	36
Combined Effects of all Equipment and Infrastructure on Receptor							**65**	**65**	**65**	**65**	**65**	**65**	**65**	**65**

Sources: (1) Broch 1971, (2) Plog 1988, (3) Rogers 2006, (4) T&M 1986, (5) Alberts 2006, (6) CPUC 2009, (7) EBMUD 2010, (8) FHWA 2006, (9) ENTRIX 2010, (10) General Plans, (11) EPA 1971

Estimated Mitgated Noise Impacts from Operation - Loading Dock, Golf Course Community (Proposed Action B)

Stationary Equipment and Infrastructure	Ref.	Usage	L_{REF}	D	TC	IL	Sound Level in Decibels, A-weighted (dBA)							
		Factor	dBA	m	dBA/m	dBA	L_{MAX}	L_{02}	L_{08}	L_{10}	L_{25}	L_{50}	L_{90}	L_{EQ}
AAmbient 65 dBA (set D = 15 m)	1,2	100%	65	15	0.000	0	65	65	65	65	65	65	65	65
Tractor Trailer Truck (18-wheel, idle/slow)	11	20%	75	220	0.005	0	51	47	47	47	46	45	44	44
Tractor Trailer Truck (18-wheel, idle/slow)	11	20%	75	220	0.005	0	51	47	47	47	46	45	44	44
Combined Effects of all Equipment and Infrastructure on Receptor							**65**	**65**	**65**	**65**	**65**	**65**	**65**	**65**
Sources: (1) Broch 1971, (2) Plog 1988, (3) Rogers 2006, (4) T&M 1986, (5) Alberts 2006, (6) CPUC 2009, (7) EBMUD 2010, (8) FHWA 2006, (9) ENTRIX 2010, (10) General Plans, (11) EPA 1971														

Estimated Mitgated Noise Impacts from Operation - Central Plant (Proposed Action B)

Stationary Equipment and Infrastructure	Ref.	Usage	L_{REF}	D	TC	IL	Sound Level in Decibels, A-weighted (dBA)							
		Factor	dBA	m	dBA/m	dBA	L_{MAX}	L_{02}	L_{08}	L_{10}	L_{25}	L_{50}	L_{90}	L_{EQ}
AAmbient 60 dBA (set D = 15 m)	1,2	100%	60	15	0.000	0	60	60	60	60	60	60	60	60
HVAC/Refrigeration Unit	8	100%	82	220	0.005	8	50	50	50	50	50	50	50	50
Generator (<25 KVA quiet design)	8	50%	70	220	0.005	8	38	38	38	38	37	36	35	35
Combined Effects of all Equipment and Infrastructure on Receptor							**60**	**60**	**60**	**60**	**60**	**60**	**60**	**60**
Sources: (1) Broch 1971, (2) Plog 1988, (3) Rogers 2006, (4) T&M 1986, (5) Alberts 2006, (6) CPUC 2009, (7) EBMUD 2010, (8) FHWA 2006, (9) ENTRIX 2010, (10) General Plans, (11) EPA 1971														

Estimated Mitgated Noise Impacts from Operation - Wastewater Treatment Plant (Proposed Action B)

Stationary Equipment and Infrastructure	Ref.	Usage	L_{REF}	D	TC	IL	Sound Level in Decibels, A-weighted (dBA)							
		Factor	dBA	m	dBA/m	dBA	L_{MAX}	L_{02}	L_{08}	L_{10}	L_{25}	L_{50}	L_{90}	L_{EQ}
AAmbient 65 dBA (set D = 15 m)	1,2	100%	65	15	0.000	0	65	65	65	65	65	65	65	65
Electric Water Pump (110 HP x 3)	7	100%	55	165	0.005	8	25	25	25	25	25	25	25	25
Electric Water Pump (50 HP x 3)	7	100%	55	165	0.005	8	25	25	25	25	25	25	25	25
Combined Effects of all Equipment and Infrastructure on Receptor							**65**	**65**	**65**	**65**	**65**	**65**	**65**	**65**
Sources: (1) Broch 1971, (2) Plog 1988, (3) Rogers 2006, (4) T&M 1986, (5) Alberts 2006, (6) CPUC 2009, (7) EBMUD 2010, (8) FHWA 2006, (9) ENTRIX 2010, (10) General Plans, (11) EPA 1971														

Ambient Traffic Noise

Stationary Equipment and Infrastructure	Ref.	Usage Factor	L_{REF} dBA	D m	TC dBA/m	IL dBA	Sound Level in Decibels, A-weighted (dBA) L_{MAX}	L_{02}	L_{08}	L_{10}	L_{25}	L_{50}	L_{90}	L_{EQ}
AAmbient 65 dBA (set D = 15 m)	1,2	100%	65	15	0.000	0	65	65	65	65	65	65	65	65
City Street Traffic C (moderate)	1	60%	75	165	0.005	0	53	53	53	53	53	53	51	51
Combined Effects of all Equipment and Infrastructure on Receptor							**65**	**65**	**65**	**65**	**65**	**65**	**65**	**65**

Sources: (1) Broch 1971, (2) Plog 1988, (3) Rogers 2006, (4) T&M 1986, (5) Alberts 2006, (6) CPUC 2009, (7) EBMUD 2010, (8) FHWA 2006, (9) ENTRIX 2010, (10) General Plans, (11) EPA 1971

Unmitigated Operational Noise - Alternative 1

Estimated Unmitigated Operational Noise Impacts from Stationary Equipment and Onroad Vehicles - Summary (Alternative 1)

Receptor Location	Noise Source	Sound Level in Decibels, A-weighted (dBA)							
		L_{MAX}	L_{02}	L_{08}	L_{10}	L_{25}	L_{50}	L_{90}	L_{EQ}
Soboba Springs Community	Traffic	71	71	71	71	71	71	71	71
	South Parking Structure	65	65	65	65	65	65	65	65
	Events Center	65	65	65	65	65	65	65	65
	Loading Dock	65	65	65	65	65	65	65	65
	Wastewater Treatment Plant	65	65	65	65	65	65	65	65
	Combined Effects	71	71	71	71	71	71	71	71
Golf Course Community	Traffic	67	67	67	67	67	67	66	66
	Central Plant	64	64	64	64	64	63	63	63
	North Parking Structure	65	65	65	65	65	65	65	65
	Loading Dock	65	65	65	65	65	65	65	65
	Combined Effects	70	70	70	70	70	69	69	69
Hill Community	Traffic	62	62	62	62	62	62	62	62
Source: DOT FHWA 2006									

Estimated Unmitigated Noise Impacts from Operation - Combined Effects on Soboba Springs Mobile Estates (Alternative 1)

Stationary Equipment and Infrastructure	Ref.	Usage Factor	L_{REF} dBA	D m	TC dBA/m	IL dBA	Sound Level in Decibels, A-weighted (dBA)							
							L_{MAX}	L_{02}	L_{08}	L_{10}	L_{25}	L_{50}	L_{90}	L_{EQ}
AAmbient 65 dBA (set D = 15 m)	1,2	100%	65	15	0.000	0	65	65	65	65	65	65	65	65
City Street Traffic F (congested)	1	100%	75	15	0.005	5	70	70	70	70	70	70	70	70
Car Park Structure - Alarm	10	100%	68	52	0.005	5	52	52	52	52	52	52	52	52
Car Park Structure - Door Slam	10	20%	45	52	0.005	5	29	25	25	25	24	24	22	22
Car Park Structure - Engine Start	10	20%	62	52	0.005	5	46	42	42	42	41	41	39	39
Car Park Structure - Slow Drive	10	40%	65	52	0.005	5	49	48	48	48	47	47	45	45
Concert - Indoor Stage (exterior)	4	70%	70	82	0.005	5	50	50	50	50	50	50	49	48
Tractor Trailer Truck (18-wheel, idle/slow)	11	20%	75	220	0.005	5	46	42	42	42	41	40	39	39
Tractor Trailer Truck (18-wheel, idle/slow)	11	20%	75	220	0.005	5	46	42	42	42	41	40	39	39
Electric Water Pump (110 HP x 3)	7	100%	55	165	0.005	5	28	28	28	28	28	28	28	28
Electric Water Pump (50 HP x 3)	7	100%	55	165	0.005	5	28	28	28	28	28	28	28	28
Combined Effects of all Equipment and Infrastructure on Receptor							**71**	**71**	**71**	**71**	**71**	**71**	**71**	**71**

Sources: (1) Broch 1971, (2) Plog 1988, (3) Rogers 2006, (4) T&M 1986, (5) Alberts 2006, (6) CPUC 2009, (7) EBMUD 2010, (8) FHWA 2006, (9) ENTRIX 2010, (10) General Plans, (11) EPA 1971

Estimated Unmitigated Noise Impacts from Operation - Combined Effects on Golf Course Community (Alternative 1)

Stationary Equipment and Infrastructure	Ref.	Usage Factor	L_{REF} dBA	D m	TC dBA/m	IL dBA	Sound Level in Decibels, A-weighted (dBA)							
							L_{MAX}	L_{02}	L_{08}	L_{10}	L_{25}	L_{50}	L_{90}	L_{EQ}
AAmbient 65 dBA (set D = 15 m)	1,2	100%	65	15	0.000	0	65	65	65	65	65	65	65	65
City Street Traffic C (moderate)	1	60%	75	22	0.005	5	67	67	67	67	67	66	65	64
Car Park Structure - Alarm	10	100%	68	110	0.005	0	50	50	50	50	50	50	50	50
Car Park Structure - Door Slam	10	20%	45	110	0.005	0	27	23	23	23	23	22	20	20
Car Park Structure - Engine Start	10	20%	62	110	0.005	0	44	40	40	40	40	39	37	37
Car Park Structure - Slow Drive	10	40%	65	110	0.005	0	47	46	46	46	46	45	43	43
Tractor Trailer Truck (18-wheel, idle/slow)	11	20%	75	220	0.005	0	51	47	47	47	46	45	44	44
Tractor Trailer Truck (18-wheel, idle/slow)	11	20%	75	220	0.005	0	51	47	47	47	46	45	44	44
Generator (<25 KVA quiet design)	8	50%	70	159	0.005	0	49	49	49	49	48	47	46	46
HVAC/Refrigeration Unit	8	100%	82	159	0.005	0	61	61	61	61	61	61	61	61
Combined Effects of all Equipment and Infrastructure on Receptor							**70**	**70**	**70**	**70**	**70**	**69**	**69**	**69**

Sources: (1) Broch 1971, (2) Plog 1988, (3) Rogers 2006, (4) T&M 1986, (5) Alberts 2006, (6) CPUC 2009, (7) EBMUD 2010, (8) FHWA 2006, (9) ENTRIX 2010, (10) General Plans, (11) EPA 1971

Estimated Unmitigated Noise Impacts from Operation - Traffic, Soboba Springs Mobile Estates (Alternative 1)

Stationary Equipment and Infrastructure	Ref.	Usage	L_{REF}	D	TC	IL	Sound Level in Decibels, A-weighted (dBA)							
		Factor	dBA	m	dBA/m	dBA	L_{MAX}	L_{02}	L_{08}	L_{10}	L_{25}	L_{50}	L_{90}	L_{EQ}
AAmbient 65 dBA (set D = 15 m)	1,2	100%	65	15	0.000	0	65	65	65	65	65	65	65	65
City Street Traffic F (congested)	1	100%	75	15	0.005	5	70	70	70	70	70	70	70	70
Combined Effects of all Equipment and Infrastructure on Receptor							**71**	**71**	**71**	**71**	**71**	**71**	**71**	**71**
Sources: (1) Broch 1971, (2) Plog 1988, (3) Rogers 2006, (4) T&M 1986, (5) Alberts 2006, (6) CPUC 2009, (7) EBMUD 2010, (8) FHWA 2006, (9) ENTRIX 2010, (10) General Plans, (11) EPA 1971														

Estimated Unmitigated Noise Impacts from Operation - Traffic, Golf Course Community (Alternative 1)

Stationary Equipment and Infrastructure	Ref.	Usage Factor	L_{REF} dBA	D m	TC dBA/m	IL dBA	Sound Level in Decibels, A-weighted (dBA) L_{MAX}	L_{02}	L_{08}	L_{10}	L_{25}	L_{50}	L_{90}	L_{EQ}
AAmbient 60 dBA (set D = 15 m)	1,2	100%	60	15	0.000	0	60	60	60	60	60	60	60	60
City Street Traffic C (moderate)	1	60%	75	22	0.005	5	67	67	67	67	67	66	65	64
Combined Effects of all Equipment and Infrastructure on Receptor							**67**	**67**	**67**	**67**	**67**	**67**	**66**	**66**
Sources: (1) Broch 1971, (2) Plog 1988, (3) Rogers 2006, (4) T&M 1986, (5) Alberts 2006, (6) CPUC 2009, (7) EBMUD 2010, (8) FHWA 2006, (9) ENTRIX 2010, (10) General Plans, (11) EPA 1971														

Estimated Unmitigated Noise Impacts from Operation - Traffic, Hillside Community (Alternative 1)

Stationary Equipment and Infrastructure	Ref.	Usage Factor	L_{REF} dBA	D m	TC dBA/m	IL dBA	L_{MAX}	L_{02}	L_{08}	L_{10}	L_{25}	L_{50}	L_{90}	L_{EQ}
							Sound Level in Decibels, A-weighted (dBA)							
AAmbient 60 dBA (set D = 15 m)	1,2	100%	60	15	0.000	0	60	60	60	60	60	60	60	60
City Street Traffic C (moderate)	1	60%	75	92	0.005	0	59	59	59	59	59	58	57	57
Combined Effects of all Equipment and Infrastructure on Receptor							**62**	**62**	**62**	**62**	**62**	**62**	**62**	**62**

Sources: (1) Broch 1971, (2) Plog 1988, (3) Rogers 2006, (4) T&M 1986, (5) Alberts 2006, (6) CPUC 2009, (7) EBMUD 2010, (8) FHWA 2006, (9) ENTRIX 2010, (10) General Plans, (11) EPA 1971

Estimated Unmitgated Noise Impacts from Operation - South Parking Structure (Alternative 1)

Stationary Equipment and Infrastructure	Ref.	Usage Factor	L_{REF} dBA	D m	TC dBA/m	IL dBA	Sound Level in Decibels, A-weighted (dBA) L_{MAX}	L_{02}	L_{08}	L_{10}	L_{25}	L_{50}	L_{90}	L_{EQ}
AAmbient 65 dBA (set D = 15 m)	1,2	100%	65	15	0.000	0	65	65	65	65	65	65	65	65
Car Park Structure - Alarm	10	100%	68	52	0.005	5	52	52	52	52	52	52	52	52
Car Park Structure - Door Slam	10	20%	45	52	0.005	5	29	25	25	25	24	24	22	22
Car Park Structure - Engine Start	10	20%	62	52	0.005	5	46	42	42	42	41	41	39	39
Car Park Structure - Slow Drive	10	40%	65	52	0.005	5	49	48	48	48	47	47	45	45
Combined Effects of all Equipment and Infrastructure on Receptor							**65**	**65**	**65**	**65**	**65**	**65**	**65**	**65**

Sources: (1) Broch 1971, (2) Plog 1988, (3) Rogers 2006, (4) T&M 1986, (5) Alberts 2006, (6) CPUC 2009, (7) EBMUD 2010, (8) FHWA 2006, (9) ENTRIX 2010, (10) General Plans, (11) EPA 1971

Estimated Unmitgated Noise Impacts from Operation - North Parking Structure (Alternative 1)

Stationary Equipment and Infrastructure	Ref.	Usage	L_{REF}	D	TC	IL	Sound Level in Decibels, A-weighted (dBA)							
		Factor	dBA	m	dBA/m	dBA	L_{MAX}	L_{02}	L_{08}	L_{10}	L_{25}	L_{50}	L_{90}	L_{EQ}
AAmbient 65 dBA (set D = 15 m)	1,2	100%	65	15	0.000	0	65	65	65	65	65	65	65	65
Car Park Structure - Alarm	10	100%	68	110	0.005	0	50	50	50	50	50	50	50	50
Car Park Structure - Door Slam	10	20%	45	110	0.005	0	27	23	23	23	23	22	20	20
Car Park Structure - Engine Start	10	20%	62	110	0.005	0	44	40	40	40	40	39	37	37
Car Park Structure - Slow Drive	10	40%	65	110	0.005	0	47	46	46	46	46	45	43	43
Combined Effects of all Equipment and Infrastructure on Receptor							**65**	**65**	**65**	**65**	**65**	**65**	**65**	**65**
Sources: (1) Broch 1971, (2) Plog 1988, (3) Rogers 2006, (4) T&M 1986, (5) Alberts 2006, (6) CPUC 2009, (7) EBMUD 2010, (8) FHWA 2006, (9) ENTRIX 2010, (10) General Plans, (11) EPA 1971														

Estimated Unmitgated Noise Impacts from Operation - Events Center (Alternative 1)

Stationary Equipment and Infrastructure	Ref.	Usage	L_{REF}	D	TC	IL	Sound Level in Decibels, A-weighted (dBA)							
		Factor	dBA	m	dBA/m	dBA	L_{MAX}	L_{02}	L_{08}	L_{10}	L_{25}	L_{50}	L_{90}	L_{EQ}
AAmbient 65 dBA (set D = 15 m)	1,2	100%	65	15	0.000	0	65	65	65	65	65	65	65	65
Concert - Indoor Stage (exterior)	4	70%	70	82	0.005	5	50	50	50	50	50	50	49	48
Combined Effects of all Equipment and Infrastructure on Receptor							**65**	**65**	**65**	**65**	**65**	**65**	**65**	**65**
Sources: (1) Broch 1971, (2) Plog 1988, (3) Rogers 2006, (4) T&M 1986, (5) Alberts 2006, (6) CPUC 2009, (7) EBMUD 2010, (8) FHWA 2006, (9) ENTRIX 2010, (10) General Plans, (11) EPA 1971														

Estimated Unmitgated Noise Impacts from Operation - Loading Dock (Alternative 1)

Stationary Equipment and Infrastructure	Ref.	Usage	L_{REF}	D	TC	IL	Sound Level in Decibels, A-weighted (dBA)							
		Factor	dBA	m	dBA/m	dBA	L_{MAX}	L_{02}	L_{08}	L_{10}	L_{25}	L_{50}	L_{90}	L_{EQ}
AAmbient 65 dBA (set D = 15 m)	1,2	100%	65	15	0.000	0	65	65	65	65	65	65	65	65
Tractor Trailer Truck (18-wheel, idle/slow)	11	20%	75	220	0.005	0	51	47	47	47	46	45	44	44
Tractor Trailer Truck (18-wheel, idle/slow)	11	20%	75	220	0.005	0	51	47	47	47	46	45	44	44
Combined Effects of all Equipment and Infrastructure on Receptor							**65**	**65**	**65**	**65**	**65**	**65**	**65**	**65**
Sources: (1) Broch 1971, (2) Plog 1988, (3) Rogers 2006, (4) T&M 1986, (5) Alberts 2006, (6) CPUC 2009, (7) EBMUD 2010, (8) FHWA 2006, (9) ENTRIX 2010, (10) General Plans, (11) EPA 1971														

Estimated Unmitgated Noise Impacts from Operation - Central Plant (Alternative 1)

Stationary Equipment and Infrastructure	Ref.	Usage	L_{REF}	D	TC	IL	Sound Level in Decibels, A-weighted (dBA)							
		Factor	dBA	m	dBA/m	dBA	L_{MAX}	L_{02}	L_{08}	L_{10}	L_{25}	L_{50}	L_{90}	L_{EQ}
AAmbient 60 dBA (set D = 15 m)	1,2	100%	60	15	0.000	0	60	60	60	60	60	60	60	60
HVAC/Refrigeration Unit	8	100%	82	159	0.005	0	61	61	61	61	61	61	61	61
Generator (<25 KVA quiet design)	8	50%	70	159	0.005	0	49	49	49	49	48	47	46	46
Combined Effects of all Equipment and Infrastructure on Receptor							**64**	**64**	**64**	**64**	**64**	**63**	**63**	**63**

Sources: (1) Broch 1971, (2) Plog 1988, (3) Rogers 2006, (4) T&M 1986, (5) Alberts 2006, (6) CPUC 2009, (7) EBMUD 2010, (8) FHWA 2006, (9) ENTRIX 2010, (10) General Plans, (11) EPA 1971

Estimated Unmitgated Noise Impacts from Operation - Wastewater Treatment Plant (Alternative 1)

Stationary Equipment and Infrastructure	Ref.	Usage Factor	L_{REF} dBA	D m	TC dBA/m	IL dBA	Sound Level in Decibels, A-weighted (dBA)							
							L_{MAX}	L_{02}	L_{08}	L_{10}	L_{25}	L_{50}	L_{90}	L_{EQ}
AAmbient 65 dBA (set D = 15 m)	1,2	100%	65	15	0.000	0	65	65	65	65	65	65	65	65
Electric Water Pump (110 HP x 3)	7	100%	55	165	0.005	5	28	28	28	28	28	28	28	28
Electric Water Pump (50 HP x 3)	7	100%	55	165	0.005	5	28	28	28	28	28	28	28	28
Combined Effects of all Equipment and Infrastructure on Receptor							**65**	**65**	**65**	**65**	**65**	**65**	**65**	**65**
Sources: (1) Broch 1971, (2) Plog 1988, (3) Rogers 2006, (4) T&M 1986, (5) Alberts 2006, (6) CPUC 2009, (7) EBMUD 2010, (8) FHWA 2006, (9) ENTRIX 2010, (10) General Plans, (11) EPA 1971														

Ambient Traffic Noise

Stationary Equipment and Infrastructure	Ref.	Usage Factor	L_{REF} dBA	D m	TC dBA/m	IL dBA	Sound Level in Decibels, A-weighted (dBA) L_{MAX}	L_{02}	L_{08}	L_{10}	L_{25}	L_{50}	L_{90}	L_{EQ}
AAmbient 65 dBA (set D = 15 m)	1,2	100%	65	15	0.000	0	65	65	65	65	65	65	65	65
City Street Traffic C (moderate)	1	60%	75	165	0.005	0	53	53	53	53	53	53	51	51
Combined Effects of all Equipment and Infrastructure on Receptor							**65**	**65**	**65**	**65**	**65**	**65**	**65**	**65**

Sources: (1) Broch 1971, (2) Plog 1988, (3) Rogers 2006, (4) T&M 1986, (5) Alberts 2006, (6) CPUC 2009, (7) EBMUD 2010, (8) FHWA 2006, (9) ENTRIX 2010, (10) General Plans, (11) EPA 1971

Mitigated Operational Noise - Alternative 1

Estimated Mitigated Operational Noise Impacts from Stationary Equipment and Onroad Vehicles - Summary (Alternative 1)

Receptor Location	Noise Source	Sound Level in Decibels, A-weighted (dBA)							
		L_{MAX}	L_{02}	L_{08}	L_{10}	L_{25}	L_{50}	L_{90}	L_{EQ}
Soboba Springs Community	Traffic	74	71	71	70	70	70	69	69
	South Parking Structure	65	65	65	65	65	65	65	65
	Events Center	65	65	65	65	65	65	65	65
	Loading Dock	65	65	65	65	65	65	65	65
	Wastewater Treatment Plant	65	65	65	65	65	65	65	65
	Combined Effects	69	69	69	69	69	69	69	69
Golf Course Community	Traffic	67	67	67	67	67	67	66	66
	Central Plant	61	61	61	61	61	61	61	61
	North Parking Structure	65	65	65	65	65	65	65	65
	Loading Dock	65	65	65	65	65	65	65	65
	Combined Effects	69	69	69	69	69	69	68	68
Hill Community	Traffic	62	62	62	62	62	62	62	62
Source: DOT FHWA 2006									

Estimated Mitigated Noise Impacts from Operation - Combined Effects on Soboba Springs Mobile Estates (Alternative 1)

Stationary Equipment and Infrastructure	Ref.	Usage	L_{REF}	D	TC	IL	Sound Level in Decibels, A-weighted (dBA)							
		Factor	dBA	m	dBA/m	dBA	L_{MAX}	L_{02}	L_{08}	L_{10}	L_{25}	L_{50}	L_{90}	L_{EQ}
AAmbient 65 dBA (set D = 15 m)	1,2	100%	65	15	0.000	0	65	65	65	65	65	65	65	65
City Street Traffic F (congested)	1	100%	75	15	0.005	8	67	67	67	67	67	67	67	67
Car Park Structure - Alarm	10	100%	68	52	0.005	8	49	49	49	49	49	49	49	49
Car Park Structure - Door Slam	10	20%	45	52	0.005	8	26	22	22	22	21	21	19	19
Car Park Structure - Engine Start	10	20%	62	52	0.005	8	43	39	39	39	38	38	36	36
Car Park Structure - Slow Drive	10	40%	65	52	0.005	8	46	45	45	45	44	44	42	42
Concert - Indoor Stage (exterior)	4	70%	70	82	0.005	8	47	47	47	47	47	47	46	45
Tractor Trailer Truck (18-wheel, idle/slow)	11	20%	75	220	0.005	8	43	39	39	39	38	37	36	36
Tractor Trailer Truck (18-wheel, idle/slow)	11	20%	75	220	0.005	8	43	39	39	39	38	37	36	36
Electric Water Pump (110 HP x 3)	7	100%	55	165	0.005	8	25	25	25	25	25	25	25	25
Electric Water Pump (50 HP x 3)	7	100%	55	165	0.005	8	25	25	25	25	25	25	25	25
Combined Effects of all Equipment and Infrastructure on Receptor							**69**	**69**	**69**	**69**	**69**	**69**	**69**	**69**

Sources: (1) Broch 1971, (2) Plog 1988, (3) Rogers 2006, (4) T&M 1986, (5) Alberts 2006, (6) CPUC 2009, (7) EBMUD 2010, (8) FHWA 2006, (9) ENTRIX 2010, (10) General Plans, (11) EPA 1971

Estimated Mitigated Noise Impacts from Operation - Combined Effects on Golf Course Community (Alternative 1)

Stationary Equipment and Infrastructure	Ref.	Usage	L_{REF}	D	TC	IL	Sound Level in Decibels, A-weighted (dBA)							
		Factor	dBA	m	dBA/m	dBA	L_{MAX}	L_{02}	L_{08}	L_{10}	L_{25}	L_{50}	L_{90}	L_{EQ}
AAmbient 65 dBA (set D = 15 m)	1,2	100%	65	15	0.000	0	65	65	65	65	65	65	65	65
City Street Traffic C (moderate)	1	60%	75	22	0.005	5	67	67	67	67	67	66	65	64
Car Park Structure - Alarm	10	100%	68	110	0.005	0	50	50	50	50	50	50	50	50
Car Park Structure - Door Slam	10	20%	45	110	0.005	0	27	23	23	23	23	22	20	20
Car Park Structure - Engine Start	10	20%	62	110	0.005	0	44	40	40	40	40	39	37	37
Car Park Structure - Slow Drive	10	40%	65	110	0.005	0	47	46	46	46	46	45	43	43
Tractor Trailer Truck (18-wheel, idle/slow)	11	20%	75	220	0.005	0	51	47	47	47	46	45	44	44
Tractor Trailer Truck (18-wheel, idle/slow)	11	20%	75	220	0.005	0	51	47	47	47	46	45	44	44
Generator (<25 KVA quiet design)	8	50%	70	159	0.005	8	41	41	41	41	40	39	38	38
HVAC/Refrigeration Unit	8	100%	82	159	0.005	8	53	53	53	53	53	53	53	53
Combined Effects of all Equipment and Infrastructure on Receptor							**69**	**69**	**69**	**69**	**69**	**69**	**68**	**68**
Sources: (1) Broch 1971, (2) Plog 1988, (3) Rogers 2006, (4) T&M 1986, (5) Alberts 2006, (6) CPUC 2009, (7) EBMUD 2010, (8) FHWA 2006, (9) ENTRIX 2010, (10) General Plans, (11) EPA 1971														

Estimated Mitigated Noise Impacts from Operation - Traffic, Soboba Springs Mobile Estates (Alternative 1)

Stationary Equipment and Infrastructure	Ref.	Usage	L_{REF}	D	TC	IL	Sound Level in Decibels, A-weighted (dBA)							
		Factor	dBA	m	dBA/m	dBA	L_{MAX}	L_{02}	L_{08}	L_{10}	L_{25}	L_{50}	L_{90}	L_{EQ}
AAmbient 65 dBA (set D = 15 m)	1,2	100%	65	15	0.000	0	65	65	65	65	65	65	65	65
City Street Traffic C (moderate)	1	60%	75	15	0.005	8	67	67	67	67	67	66	65	65
Vacuum Street Sweeper	8	10%	80	15	0.005	8	72	65	65	65	64	64	62	62
Combined Effects of all Equipment and Infrastructure on Receptor							**74**	**71**	**71**	**70**	**70**	**70**	**69**	**69**
Sources: (1) Broch 1971, (2) Plog 1988, (3) Rogers 2006, (4) T&M 1986, (5) Alberts 2006, (6) CPUC 2009, (7) EBMUD 2010, (8) FHWA 2006, (9) ENTRIX 2010, (10) General Plans, (11) EPA 1971														

Estimated Mitigated Noise Impacts from Operation - Traffic, Golf Course Community (Alternative 1)

Stationary Equipment and Infrastructure	Ref.	Usage Factor	L_{REF} dBA	D m	TC dBA/m	IL dBA	Sound Level in Decibels, A-weighted (dBA) L_{MAX}	L_{02}	L_{08}	L_{10}	L_{25}	L_{50}	L_{90}	L_{EQ}
AAmbient 60 dBA (set D = 15 m)	1,2	100%	60	15	0.000	0	60	60	60	60	60	60	60	60
City Street Traffic C (moderate)	1	60%	75	22	0.005	5	67	67	67	67	67	66	65	64
AAABlank (null value)	--	100%	0	22	0.005	0	0	0	0	0	0	0	0	0
Combined Effects of all Equipment and Infrastructure on Receptor							**67**	**67**	**67**	**67**	**67**	**67**	**66**	**66**
Sources: (1) Broch 1971, (2) Plog 1988, (3) Rogers 2006, (4) T&M 1986, (5) Alberts 2006, (6) CPUC 2009, (7) EBMUD 2010, (8) FHWA 2006, (9) ENTRIX 2010, (10) General Plans, (11) EPA 1971														

Estimated Mitigated Noise Impacts from Operation - Traffic, Hillside Community (Alternative 1)

Stationary Equipment and Infrastructure	Ref.	Usage Factor	L_{REF} dBA	D m	TC dBA/m	IL dBA	Sound Level in Decibels, A-weighted (dBA) L_{MAX}	L_{02}	L_{08}	L_{10}	L_{25}	L_{50}	L_{90}	L_{EQ}
AAmbient 60 dBA (set D = 15 m)	1,2	100%	60	15	0.000	0	60	60	60	60	60	60	60	60
City Street Traffic C (moderate)	1	60%	75	92	0.005	0	59	59	59	59	59	58	57	57
Combined Effects of all Equipment and Infrastructure on Receptor							**62**	**62**	**62**	**62**	**62**	**62**	**62**	**62**

Sources: (1) Broch 1971, (2) Plog 1988, (3) Rogers 2006, (4) T&M 1986, (5) Alberts 2006, (6) CPUC 2009, (7) EBMUD 2010, (8) FHWA 2006, (9) ENTRIX 2010, (10) General Plans, (11) EPA 1971

Estimated Mitgated Noise Impacts from Operation - South Parking Structure (Alternative 1)

Stationary Equipment and Infrastructure	Ref.	Usage	L_{REF}	D	TC	IL	Sound Level in Decibels, A-weighted (dBA)							
		Factor	dBA	m	dBA/m	dBA	L_{MAX}	L_{02}	L_{08}	L_{10}	L_{25}	L_{50}	L_{90}	L_{EQ}
AAmbient 65 dBA (set D = 15 m)	1,2	100%	65	15	0.000	0	65	65	65	65	65	65	65	65
Car Park Structure - Alarm	10	100%	68	52	0.005	8	49	49	49	49	49	49	49	49
Car Park Structure - Door Slam	10	20%	45	52	0.005	8	26	22	22	22	21	21	19	19
Car Park Structure - Engine Start	10	20%	62	52	0.005	8	43	39	39	39	38	38	36	36
Car Park Structure - Slow Drive	10	40%	65	52	0.005	8	46	45	45	45	44	44	42	42
Combined Effects of all Equipment and Infrastructure on Receptor							**65**	**65**	**65**	**65**	**65**	**65**	**65**	**65**
Sources: (1) Broch 1971, (2) Plog 1988, (3) Rogers 2006, (4) T&M 1986, (5) Alberts 2006, (6) CPUC 2009, (7) EBMUD 2010, (8) FHWA 2006, (9) ENTRIX 2010, (10) General Plans, (11) EPA 1971														

Estimated Mitgated Noise Impacts from Operation - North Parking Structure (Alternative 1)

Stationary Equipment and Infrastructure	Ref.	Usage	L_{REF}	D	TC	IL	Sound Level in Decibels, A-weighted (dBA)							
		Factor	dBA	m	dBA/m	dBA	L_{MAX}	L_{02}	L_{08}	L_{10}	L_{25}	L_{50}	L_{90}	L_{EQ}
AAmbient 65 dBA (set D = 15 m)	1,2	100%	65	15	0.000	0	65	65	65	65	65	65	65	65
Car Park Structure - Alarm	10	100%	68	110	0.005	0	50	50	50	50	50	50	50	50
Car Park Structure - Door Slam	10	20%	45	110	0.005	0	27	23	23	23	23	22	20	20
Car Park Structure - Engine Start	10	20%	62	110	0.005	0	44	40	40	40	40	39	37	37
Car Park Structure - Slow Drive	10	40%	65	110	0.005	0	47	46	46	46	46	45	43	43
Combined Effects of all Equipment and Infrastructure on Receptor							**65**	**65**	**65**	**65**	**65**	**65**	**65**	**65**
Sources: (1) Broch 1971, (2) Plog 1988, (3) Rogers 2006, (4) T&M 1986, (5) Alberts 2006, (6) CPUC 2009, (7) EBMUD 2010, (8) FHWA 2006, (9) ENTRIX 2010, (10) General Plans, (11) EPA 1971														

Estimated Mitgated Noise Impacts from Operation - Events Center (Alternative 1)

Stationary Equipment and Infrastructure	Ref.	Usage	L_{REF}	D	TC	IL	Sound Level in Decibels, A-weighted (dBA)							
		Factor	dBA	m	dBA/m	dBA	L_{MAX}	L_{02}	L_{08}	L_{10}	L_{25}	L_{50}	L_{90}	L_{EQ}
AAmbient 65 dBA (set D = 15 m)	1,2	100%	65	15	0.000	0	65	65	65	65	65	65	65	65
Concert - Indoor Stage (exterior)	4	70%	70	82	0.005	8	47	47	47	47	47	47	46	45
Combined Effects of all Equipment and Infrastructure on Receptor							**65**	**65**	**65**	**65**	**65**	**65**	**65**	**65**
Sources: (1) Broch 1971, (2) Plog 1988, (3) Rogers 2006, (4) T&M 1986, (5) Alberts 2006, (6) CPUC 2009, (7) EBMUD 2010, (8) FHWA 2006, (9) ENTRIX 2010, (10) General Plans, (11) EPA 1971														

Estimated Mitgated Noise Impacts from Operation - Loading Dock, Soboba Springs Mobile Estates (Alternative 1)

Stationary Equipment and Infrastructure	Ref.	Usage	L_{REF}	D	TC	IL	Sound Level in Decibels, A-weighted (dBA)							
		Factor	dBA	m	dBA/m	dBA	L_{MAX}	L_{02}	L_{08}	L_{10}	L_{25}	L_{50}	L_{90}	L_{EQ}
AAmbient 65 dBA (set D = 15 m)	1,2	100%	65	15	0.000	0	65	65	65	65	65	65	65	65
Tractor Trailer Truck (18-wheel, idle/slow)	11	20%	75	220	0.005	8	43	39	39	39	38	37	36	36
Tractor Trailer Truck (18-wheel, idle/slow)	11	20%	75	220	0.005	8	43	39	39	39	38	37	36	36
Combined Effects of all Equipment and Infrastructure on Receptor							**65**	**65**	**65**	**65**	**65**	**65**	**65**	**65**
Sources: (1) Broch 1971, (2) Plog 1988, (3) Rogers 2006, (4) T&M 1986, (5) Alberts 2006, (6) CPUC 2009, (7) EBMUD 2010, (8) FHWA 2006, (9) ENTRIX 2010, (10) General Plans, (11) EPA 1971														

Estimated Mitgated Noise Impacts from Operation - Loading Dock, Golf Course Community (Alternative 1)

Stationary Equipment and Infrastructure	Ref.	Usage	L_{REF}	D	TC	IL	Sound Level in Decibels, A-weighted (dBA)							
		Factor	dBA	m	dBA/m	dBA	L_{MAX}	L_{02}	L_{08}	L_{10}	L_{25}	L_{50}	L_{90}	L_{EQ}
AAmbient 65 dBA (set D = 15 m)	1,2	100%	65	15	0.000	0	65	65	65	65	65	65	65	65
Tractor Trailer Truck (18-wheel, idle/slow)	11	20%	75	220	0.005	0	51	47	47	47	46	45	44	44
Tractor Trailer Truck (18-wheel, idle/slow)	11	20%	75	220	0.005	0	51	47	47	47	46	45	44	44
Combined Effects of all Equipment and Infrastructure on Receptor							**65**	**65**	**65**	**65**	**65**	**65**	**65**	**65**

Sources: (1) Broch 1971, (2) Plog 1988, (3) Rogers 2006, (4) T&M 1986, (5) Alberts 2006, (6) CPUC 2009, (7) EBMUD 2010, (8) FHWA 2006, (9) ENTRIX 2010, (10) General Plans, (11) EPA 1971

Estimated Mitgated Noise Impacts from Operation - Central Plant (Alternative 1)

Stationary Equipment and Infrastructure	Ref.	Usage	L_{REF}	D	TC	IL	Sound Level in Decibels, A-weighted (dBA)							
		Factor	dBA	m	dBA/m	dBA	L_{MAX}	L_{02}	L_{08}	L_{10}	L_{25}	L_{50}	L_{90}	L_{EQ}
AAmbient 60 dBA (set D = 15 m)	1,2	100%	60	15	0.000	0	60	60	60	60	60	60	60	60
HVAC/Refrigeration Unit	8	100%	82	159	0.005	8	53	53	53	53	53	53	53	53
Generator (<25 KVA quiet design)	8	50%	70	159	0.005	8	41	41	41	41	40	39	38	38
Combined Effects of all Equipment and Infrastructure on Receptor							**61**	**61**	**61**	**61**	**61**	**61**	**61**	**61**
Sources: (1) Broch 1971, (2) Plog 1988, (3) Rogers 2006, (4) T&M 1986, (5) Alberts 2006, (6) CPUC 2009, (7) EBMUD 2010, (8) FHWA 2006, (9) ENTRIX 2010, (10) General Plans, (11) EPA 1971														

Estimated Mitgated Noise Impacts from Operation - Wastewater Treatment Plant (Alternative 1)

Stationary Equipment and Infrastructure	Ref.	Usage	L_{REF}	D	TC	IL	Sound Level in Decibels, A-weighted (dBA)							
		Factor	dBA	m	dBA/m	dBA	L_{MAX}	L_{02}	L_{08}	L_{10}	L_{25}	L_{50}	L_{90}	L_{EQ}
AAmbient 65 dBA (set D = 15 m)	1,2	100%	65	15	0.000	0	65	65	65	65	65	65	65	65
Electric Water Pump (110 HP x 3)	7	100%	55	165	0.005	8	25	25	25	25	25	25	25	25
Electric Water Pump (50 HP x 3)	7	100%	55	165	0.005	8	25	25	25	25	25	25	25	25
Combined Effects of all Equipment and Infrastructure on Receptor							**65**	**65**	**65**	**65**	**65**	**65**	**65**	**65**
Sources: (1) Broch 1971, (2) Plog 1988, (3) Rogers 2006, (4) T&M 1986, (5) Alberts 2006, (6) CPUC 2009, (7) EBMUD 2010, (8) FHWA 2006, (9) ENTRIX 2010, (10) General Plans, (11) EPA 1971														

Ambient Traffic Noise

Stationary Equipment and Infrastructure	Ref.	Usage	L_{REF}	D	TC	IL	Sound Level in Decibels, A-weighted (dBA)							
		Factor	dBA	m	dBA/m	dBA	L_{MAX}	L_{02}	L_{08}	L_{10}	L_{25}	L_{50}	L_{90}	L_{EQ}
AAmbient 65 dBA (set D = 15 m)	1,2	100%	65	15	0.000	0	65	65	65	65	65	65	65	65
City Street Traffic C (moderate)	1	60%	75	165	0.005	0	53	53	53	53	53	53	51	51
Combined Effects of all Equipment and Infrastructure on Receptor							**65**	**65**	**65**	**65**	**65**	**65**	**65**	**65**
Sources: (1) Broch 1971, (2) Plog 1988, (3) Rogers 2006, (4) T&M 1986, (5) Alberts 2006, (6) CPUC 2009, (7) EBMUD 2010, (8) FHWA 2006, (9) ENTRIX 2010, (10) General Plans, (11) EPA 1971														

Unmitigated Operational Noise - Alternative 2

Estimated Unmitigated Operational Noise Impacts from Stationary Equipment and Onroad Vehicles - Summary (Alternative 2)

Receptor Location	Noise Source	Sound Level in Decibels, A-weighted (dBA)							
		L_{MAX}	L_{02}	L_{08}	L_{10}	L_{25}	L_{50}	L_{90}	L_{EQ}
Soboba Springs Community	Traffic	71	71	71	71	71	71	70	70
	Surface Parking	65	65	65	65	65	65	65	65
	Loading Dock	65	65	65	65	65	65	65	65
	Wastewater Treatment Plant	65	65	65	65	65	65	65	65
	HVAC/Refridgeration Unit	61	61	61	61	61	61	61	61
	Combined Effects	71	71	71	71	71	71	70	70
Golf Course Community	Traffic	67	67	67	67	67	67	66	66
	HVAC/Refridgeration Unit	61	61	61	61	61	61	61	61
	Surface Parking	65	65	65	65	65	65	65	65
	Loading Dock	65	65	65	65	65	65	65	65
	Combined Effects	69	69	69	69	69	69	68	68
Hill Community	Traffic	62	62	62	62	62	62	62	62
Source: DOT FHWA 2006									

Estimated Unmitigated Noise Impacts from Operation - Combined Effects on Soboba Springs Mobile Estates (Alternative 2)

Stationary Equipment and Infrastructure	Ref.	Usage	L_{REF}	D	TC	IL	Sound Level in Decibels, A-weighted (dBA)							
		Factor	dBA	m	dBA/m	dBA	L_{MAX}	L_{02}	L_{08}	L_{10}	L_{25}	L_{50}	L_{90}	L_{EQ}
AAmbient 65 dBA (set D = 15 m)	1,2	100%	65	15	0.000	0	65	65	65	65	65	65	65	65
City Street Traffic C (moderate)	1	60%	75	15	0.005	5	70	70	70	70	70	69	68	68
Car Park Structure - Alarm	10	100%	68	101	0.005	5	46	46	46	46	46	46	46	46
Car Park Structure - Door Slam	10	20%	45	101	0.005	5	23	19	19	19	18	18	16	16
Car Park Structure - Engine Start	10	20%	62	101	0.005	5	40	36	36	36	35	35	33	33
Car Park Structure - Slow Drive	10	40%	65	101	0.005	5	43	42	42	42	41	41	39	39
Tractor Trailer Truck (18-wheel, idle/slow)	11	20%	75	220	0.005	5	46	42	42	42	41	40	39	39
Tractor Trailer Truck (18-wheel, idle/slow)	11	20%	75	220	0.005	5	46	42	42	42	41	40	39	39
Electric Water Pump (110 HP x 3)	7	100%	55	165	0.005	5	28	28	28	28	28	28	28	28
Electric Water Pump (50 HP x 3)	7	100%	55	165	0.005	5	28	28	28	28	28	28	28	28
HVAC/Refrigeration Unit	8	100%	82	201	0.005	5	53	53	53	53	53	53	53	53
Combined Effects of all Equipment and Infrastructure on Receptor							**71**	**71**	**71**	**71**	**71**	**71**	**70**	**70**
Sources: (1) Broch 1971, (2) Plog 1988, (3) Rogers 2006, (4) T&M 1986, (5) Alberts 2006, (6) CPUC 2009, (7) EBMUD 2010, (8) FHWA 2006, (9) ENTRIX 2010, (10) General Plans, (11) EPA 1971														

Estimated Unmitigated Noise Impacts from Operation - Combined Effects on Golf Course Community (Alternative 2)

Stationary Equipment and Infrastructure	Ref.	Usage	L_{REF}	D	TC	IL	Sound Level in Decibels, A-weighted (dBA)							
		Factor	dBA	m	dBA/m	dBA	L_{MAX}	L_{02}	L_{08}	L_{10}	L_{25}	L_{50}	L_{90}	L_{EQ}
AAmbient 65 dBA (set D = 15 m)	1,2	100%	65	15	0.000	0	65	65	65	65	65	65	65	65
City Street Traffic C (moderate)	1	60%	75	22	0.005	5	67	67	67	67	67	66	65	64
Car Park Structure - Alarm	10	100%	68	353	0.005	0	39	39	39	39	39	39	39	39
Car Park Structure - Door Slam	10	20%	45	353	0.005	0	16	12	12	12	11	10	9	9
Car Park Structure - Engine Start	10	20%	62	353	0.005	0	33	29	29	29	28	27	26	26
Car Park Structure - Slow Drive	10	40%	65	353	0.005	0	36	35	35	35	34	33	32	32
Tractor Trailer Truck (18-wheel, idle/slow)	11	20%	75	220	0.005	0	51	47	47	47	46	45	44	44
Tractor Trailer Truck (18-wheel, idle/slow)	11	20%	75	220	0.005	0	51	47	47	47	46	45	44	44
Generator (<25 KVA quiet design)	8	50%	70	353	0.005	0	41	41	41	41	40	39	38	38
HVAC/Refrigeration Unit	8	100%	82	353	0.005	0	53	53	53	53	53	53	53	53
Combined Effects of all Equipment and Infrastructure on Receptor							**69**	**69**	**69**	**69**	**69**	**69**	**68**	**68**
Sources: (1) Broch 1971, (2) Plog 1988, (3) Rogers 2006, (4) T&M 1986, (5) Alberts 2006, (6) CPUC 2009, (7) EBMUD 2010, (8) FHWA 2006, (9) ENTRIX 2010, (10) General Plans, (11) EPA 1971														

Estimated Unmitigated Noise Impacts from Operation - Traffic, Soboba Springs Mobile Estates (Alternative 2)

Stationary Equipment and Infrastructure	Ref.	Usage Factor	L_{REF} dBA	D m	TC dBA/m	IL dBA	L_{MAX}	L_{02}	L_{08}	L_{10}	L_{25}	L_{50}	L_{90}	L_{EQ}
							Sound Level in Decibels, A-weighted (dBA)							
AAmbient 65 dBA (set D = 15 m)	1,2	100%	65	15	0.000	0	65	65	65	65	65	65	65	65
City Street Traffic C (moderate)	1	60%	75	15	0.005	5	70	70	70	70	70	69	68	68
Combined Effects of all Equipment and Infrastructure on Receptor							**71**	**71**	**71**	**71**	**71**	**71**	**70**	**70**

Sources: (1) Broch 1971, (2) Plog 1988, (3) Rogers 2006, (4) T&M 1986, (5) Alberts 2006, (6) CPUC 2009, (7) EBMUD 2010, (8) FHWA 2006, (9) ENTRIX 2010, (10) General Plans, (11) EPA 1971

Estimated Unmitigated Noise Impacts from Operation - Traffic, Golf Course Community (Alternative 2)

Stationary Equipment and Infrastructure	Ref.	Usage	L_{REF}	D	TC	IL	Sound Level in Decibels, A-weighted (dBA)							
		Factor	dBA	m	dBA/m	dBA	L_{MAX}	L_{02}	L_{08}	L_{10}	L_{25}	L_{50}	L_{90}	L_{EQ}
AAmbient 60 dBA (set D = 15 m)	1,2	100%	60	15	0.000	0	60	60	60	60	60	60	60	60
City Street Traffic C (moderate)	1	60%	75	22	0.005	5	67	67	67	67	67	66	65	64
Combined Effects of all Equipment and Infrastructure on Receptor							**67**	**67**	**67**	**67**	**67**	**67**	**66**	**66**
Sources: (1) Broch 1971, (2) Plog 1988, (3) Rogers 2006, (4) T&M 1986, (5) Alberts 2006, (6) CPUC 2009, (7) EBMUD 2010, (8) FHWA 2006, (9) ENTRIX 2010, (10) General Plans, (11) EPA 1971														

Estimated Unmitigated Noise Impacts from Operation - Traffic, Hillside Community (Alternative 2)

Stationary Equipment and Infrastructure	Ref.	Usage Factor	L_{REF} dBA	D m	TC dBA/m	IL dBA	Sound Level in Decibels, A-weighted (dBA) L_{MAX}	L_{02}	L_{08}	L_{10}	L_{25}	L_{50}	L_{90}	L_{EQ}
AAmbient 60 dBA (set D = 15 m)	1,2	100%	60	15	0.000	0	60	60	60	60	60	60	60	60
City Street Traffic C (moderate)	1	60%	75	92	0.005	0	59	59	59	59	59	58	57	57
Combined Effects of all Equipment and Infrastructure on Receptor							**62**	**62**	**62**	**62**	**62**	**62**	**62**	**62**
Sources: (1) Broch 1971, (2) Plog 1988, (3) Rogers 2006, (4) T&M 1986, (5) Alberts 2006, (6) CPUC 2009, (7) EBMUD 2010, (8) FHWA 2006, (9) ENTRIX 2010, (10) General Plans, (11) EPA 1971														

Estimated Unmitgated Noise Impacts from Operation - South Parking Structure (Alternative 2)

Stationary Equipment and Infrastructure	Ref.	Usage	L_{REF}	D	TC	IL	Sound Level in Decibels, A-weighted (dBA)							
		Factor	dBA	m	dBA/m	dBA	L_{MAX}	L_{02}	L_{08}	L_{10}	L_{25}	L_{50}	L_{90}	L_{EQ}
AAmbient 65 dBA (set D = 15 m)	1,2	100%	65	15	0.000	0	65	65	65	65	65	65	65	65
Car Park Structure - Alarm	10	100%	68	101	0.005	5	46	46	46	46	46	46	46	46
Car Park Structure - Door Slam	10	20%	45	101	0.005	5	23	19	19	19	18	18	16	16
Car Park Structure - Engine Start	10	20%	62	101	0.005	5	40	36	36	36	35	35	33	33
Car Park Structure - Slow Drive	10	40%	65	101	0.005	5	43	42	42	42	41	41	39	39
Combined Effects of all Equipment and Infrastructure on Receptor							**65**	**65**	**65**	**65**	**65**	**65**	**65**	**65**
Sources: (1) Broch 1971, (2) Plog 1988, (3) Rogers 2006, (4) T&M 1986, (5) Alberts 2006, (6) CPUC 2009, (7) EBMUD 2010, (8) FHWA 2006, (9) ENTRIX 2010, (10) General Plans, (11) EPA 1971														

Estimated Unmitgated Noise Impacts from Operation - North Parking Structure (Alternative 2)

Stationary Equipment and Infrastructure	Ref.	Usage	L_{REF}	D	TC	IL	Sound Level in Decibels, A-weighted (dBA)							
		Factor	dBA	m	dBA/m	dBA	L_{MAX}	L_{02}	L_{08}	L_{10}	L_{25}	L_{50}	L_{90}	L_{EQ}
AAmbient 65 dBA (set D = 15 m)	1,2	100%	65	15	0.000	0	65	65	65	65	65	65	65	65
Car Park Structure - Alarm	10	100%	68	353	0.005	0	39	39	39	39	39	39	39	39
Car Park Structure - Door Slam	10	20%	45	353	0.005	0	16	12	12	12	11	10	9	9
Car Park Structure - Engine Start	10	20%	62	353	0.005	0	33	29	29	29	28	27	26	26
Car Park Structure - Slow Drive	10	40%	65	353	0.005	0	36	35	35	35	34	33	32	32
Combined Effects of all Equipment and Infrastructure on Receptor							**65**	**65**	**65**	**65**	**65**	**65**	**65**	**65**

Sources: (1) Broch 1971, (2) Plog 1988, (3) Rogers 2006, (4) T&M 1986, (5) Alberts 2006, (6) CPUC 2009, (7) EBMUD 2010, (8) FHWA 2006, (9) ENTRIX 2010, (10) General Plans, (11) EPA 1971

Estimated Unmitgated Noise Impacts from Operation - Loading Dock (Alternative 2)

Stationary Equipment and Infrastructure	Ref.	Usage	L_{REF}	D	TC	IL	Sound Level in Decibels, A-weighted (dBA)							
		Factor	dBA	m	dBA/m	dBA	L_{MAX}	L_{02}	L_{08}	L_{10}	L_{25}	L_{50}	L_{90}	L_{EQ}
AAmbient 65 dBA (set D = 15 m)	1,2	100%	65	15	0.000	0	65	65	65	65	65	65	65	65
Tractor Trailer Truck (18-wheel, idle/slow)	11	20%	75	220	0.005	0	51	47	47	47	46	45	44	44
Tractor Trailer Truck (18-wheel, idle/slow)	11	20%	75	220	0.005	0	51	47	47	47	46	45	44	44
Combined Effects of all Equipment and Infrastructure on Receptor							**65**	**65**	**65**	**65**	**65**	**65**	**65**	**65**
Sources: (1) Broch 1971, (2) Plog 1988, (3) Rogers 2006, (4) T&M 1986, (5) Alberts 2006, (6) CPUC 2009, (7) EBMUD 2010, (8) FHWA 2006, (9) ENTRIX 2010, (10) General Plans, (11) EPA 1971														

Estimated Unmitgated Noise Impacts from Operation - HVAC, Soboba Springs Mobile Estates (Alternative 2)

Stationary Equipment and Infrastructure	Ref.	Usage	L_{REF}	D	TC	IL	Sound Level in Decibels, A-weighted (dBA)							
		Factor	dBA	m	dBA/m	dBA	L_{MAX}	L_{02}	L_{08}	L_{10}	L_{25}	L_{50}	L_{90}	L_{EQ}
AAmbient 60 dBA (set D = 15 m)	1,2	100%	60	15	0.000	0	60	60	60	60	60	60	60	60
HVAC/Refrigeration Unit	8	100%	82	201	0.005	5	53	53	53	53	53	53	53	53
Generator (<25 KVA quiet design)	8	50%	70	201	0.005	5	41	41	41	41	41	40	39	38
Combined Effects of all Equipment and Infrastructure on Receptor							**61**	**61**	**61**	**61**	**61**	**61**	**61**	**61**

Sources: (1) Broch 1971, (2) Plog 1988, (3) Rogers 2006, (4) T&M 1986, (5) Alberts 2006, (6) CPUC 2009, (7) EBMUD 2010, (8) FHWA 2006, (9) ENTRIX 2010, (10) General Plans, (11) EPA 1971

Estimated Unmitgated Noise Impacts from Operation - HVAC, Golf Course Community (Alternative 2)

Stationary Equipment and Infrastructure	Ref.	Usage	L_{REF}	D	TC	IL	Sound Level in Decibels, A-weighted (dBA)							
		Factor	dBA	m	dBA/m	dBA	L_{MAX}	L_{02}	L_{08}	L_{10}	L_{25}	L_{50}	L_{90}	L_{EQ}
AAmbient 60 dBA (set D = 15 m)	1,2	100%	60	15	0.000	0	60	60	60	60	60	60	60	60
HVAC/Refrigeration Unit	8	100%	82	353	0.005	0	53	53	53	53	53	53	53	53
Generator (<25 KVA quiet design)	8	50%	70	353	0.005	0	41	41	41	41	40	39	38	38
Combined Effects of all Equipment and Infrastructure on Receptor							**61**	**61**	**61**	**61**	**61**	**61**	**61**	**61**

Sources: (1) Broch 1971, (2) Plog 1988, (3) Rogers 2006, (4) T&M 1986, (5) Alberts 2006, (6) CPUC 2009, (7) EBMUD 2010, (8) FHWA 2006, (9) ENTRIX 2010, (10) General Plans, (11) EPA 1971

Estimated Unmitgated Noise Impacts from Operation - Wastewater Treatment Plant (Alternative 2)

Stationary Equipment and Infrastructure	Ref.	Usage	L_{REF}	D	TC	IL	Sound Level in Decibels, A-weighted (dBA)							
		Factor	dBA	m	dBA/m	dBA	L_{MAX}	L_{02}	L_{08}	L_{10}	L_{25}	L_{50}	L_{90}	L_{EQ}
AAmbient 65 dBA (set D = 15 m)	1,2	100%	65	15	0.000	0	65	65	65	65	65	65	65	65
Electric Water Pump (110 HP x 3)	7	100%	55	165	0.005	5	28	28	28	28	28	28	28	28
Electric Water Pump (50 HP x 3)	7	100%	55	165	0.005	5	28	28	28	28	28	28	28	28
Combined Effects of all Equipment and Infrastructure on Receptor							**65**	**65**	**65**	**65**	**65**	**65**	**65**	**65**

Sources: (1) Broch 1971, (2) Plog 1988, (3) Rogers 2006, (4) T&M 1986, (5) Alberts 2006, (6) CPUC 2009, (7) EBMUD 2010, (8) FHWA 2006, (9) ENTRIX 2010, (10) General Plans, (11) EPA 1971

Ambient Traffic Noise

Stationary Equipment and Infrastructure	Ref.	Usage	L_{REF}	D	TC	IL	Sound Level in Decibels, A-weighted (dBA)							
		Factor	dBA	m	dBA/m	dBA	L_{MAX}	L_{02}	L_{08}	L_{10}	L_{25}	L_{50}	L_{90}	L_{EQ}
AAmbient 65 dBA (set D = 15 m)	1,2	100%	65	15	0.000	0	65	65	65	65	65	65	65	65
City Street Traffic C (moderate)	1	60%	75	165	0.005	0	53	53	53	53	53	53	51	51
Combined Effects of all Equipment and Infrastructure on Receptor							**65**	**65**	**65**	**65**	**65**	**65**	**65**	**65**
Sources: (1) Broch 1971, (2) Plog 1988, (3) Rogers 2006, (4) T&M 1986, (5) Alberts 2006, (6) CPUC 2009, (7) EBMUD 2010, (8) FHWA 2006, (9) ENTRIX 2010, (10) General Plans, (11) EPA 1971														

Mitigated Operational Noise - Alternative 2

Estimated Mitigated Operational Noise Impacts from Stationary Equipment and Onroad Vehicles - Summary (Alternative 2)

Receptor Location	Noise Source	Sound Level in Decibels, A-weighted (dBA)							
		L_{MAX}	L_{02}	L_{08}	L_{10}	L_{25}	L_{50}	L_{90}	L_{EQ}
Soboba Springs Community	Traffic	69	69	69	69	69	69	68	68
	Surface Parking	65	65	65	65	65	65	65	65
	Loading Dock	65	65	65	65	65	65	65	65
	Wastewater Treatment Plant	65	65	65	65	65	65	65	65
	HVAC/Refridgeration Unit	60	60	60	60	60	60	60	60
	Combined Effects	69	69	69	69	69	69	68	68
Golf Course Community	Traffic	67	67	67	67	67	67	66	66
	HVAC/Refridgeration Unit	60	60	60	60	60	60	60	60
	Surface Parking	65	65	65	65	65	65	65	65
	Loading Dock	65	65	65	65	65	65	65	65
	Combined Effects	69	69	69	69	69	69	68	68
Hill Community	Traffic	62	62	62	62	62	62	62	62

Source: DOT FHWA 2006

Estimated Mitigated Noise Impacts from Operation - Combined Effects on Soboba Springs Mobile Estates (Alternative 2)

Stationary Equipment and Infrastructure	Ref.	Usage	L_{REF}	D	TC	IL	Sound Level in Decibels, A-weighted (dBA)							
		Factor	dBA	m	dBA/m	dBA	L_{MAX}	L_{02}	L_{08}	L_{10}	L_{25}	L_{50}	L_{90}	L_{EQ}
AAmbient 65 dBA (set D = 15 m)	1,2	100%	65	15	0.000	0	65	65	65	65	65	65	65	65
City Street Traffic C (moderate)	1	60%	75	15	0.005	8	67	67	67	67	67	66	65	65
Car Park Structure - Alarm	10	100%	68	101	0.005	8	43	43	43	43	43	43	43	43
Car Park Structure - Door Slam	10	20%	45	101	0.005	8	20	16	16	16	15	15	13	13
Car Park Structure - Engine Start	10	20%	62	101	0.005	8	37	33	33	33	32	32	30	30
Car Park Structure - Slow Drive	10	40%	65	101	0.005	8	40	39	39	39	38	38	36	36
Tractor Trailer Truck (18-wheel, idle/slow)	11	20%	75	220	0.005	8	43	39	39	39	38	37	36	36
Tractor Trailer Truck (18-wheel, idle/slow)	11	20%	75	220	0.005	8	43	39	39	39	38	37	36	36
Electric Water Pump (110 HP x 3)	7	100%	55	165	0.005	8	25	25	25	25	25	25	25	25
Electric Water Pump (50 HP x 3)	7	100%	55	165	0.005	8	25	25	25	25	25	25	25	25
HVAC/Refrigeration Unit	8	100%	82	201	0.005	8	50	50	50	50	50	50	50	50
Combined Effects of all Equipment and Infrastructure on Receptor							**69**	**69**	**69**	**69**	**69**	**69**	**68**	**68**

Sources: (1) Broch 1971, (2) Plog 1988, (3) Rogers 2006, (4) T&M 1986, (5) Alberts 2006, (6) CPUC 2009, (7) EBMUD 2010, (8) FHWA 2006, (9) ENTRIX 2010, (10) General Plans, (11) EPA 1971

Estimated Mitigated Noise Impacts from Operation - Combined Effects on Golf Course Community (Alternative 2)

Stationary Equipment and Infrastructure	Ref.	Usage Factor	L_{REF} dBA	D m	TC dBA/m	IL dBA	Sound Level in Decibels, A-weighted (dBA) L_{MAX}	L_{02}	L_{08}	L_{10}	L_{25}	L_{50}	L_{90}	L_{EQ}
AAmbient 65 dBA (set D = 15 m)	1,2	100%	65	15	0.000	0	65	65	65	65	65	65	65	65
City Street Traffic C (moderate)	1	60%	75	22	0.005	5	67	67	67	67	67	66	65	64
Car Park Structure - Alarm	10	100%	68	353	0.005	0	39	39	39	39	39	39	39	39
Car Park Structure - Door Slam	10	20%	45	353	0.005	0	16	12	12	12	11	10	9	9
Car Park Structure - Engine Start	10	20%	62	353	0.005	0	33	29	29	29	28	27	26	26
Car Park Structure - Slow Drive	10	40%	65	353	0.005	0	36	35	35	35	34	33	32	32
Tractor Trailer Truck (18-wheel, idle/slow)	11	20%	75	220	0.005	0	51	47	47	47	46	45	44	44
Tractor Trailer Truck (18-wheel, idle/slow)	11	20%	75	220	0.005	0	51	47	47	47	46	45	44	44
Generator (<25 KVA quiet design)	8	50%	70	353	0.005	8	33	33	33	33	32	31	30	30
HVAC/Refrigeration Unit	8	100%	82	353	0.005	8	45	45	45	45	45	45	45	45
Combined Effects of all Equipment and Infrastructure on Receptor							**69**	**69**	**69**	**69**	**69**	**69**	**68**	**68**

Sources: (1) Broch 1971, (2) Plog 1988, (3) Rogers 2006, (4) T&M 1986, (5) Alberts 2006, (6) CPUC 2009, (7) EBMUD 2010, (8) FHWA 2006, (9) ENTRIX 2010, (10) General Plans, (11) EPA 1971

Estimated Mitigated Noise Impacts from Operation - Traffic, Soboba Springs Mobile Estates (Alternative 2)

Stationary Equipment and Infrastructure	Ref.	Usage	L_{REF}	D	TC	IL	Sound Level in Decibels, A-weighted (dBA)							
		Factor	dBA	m	dBA/m	dBA	L_{MAX}	L_{02}	L_{08}	L_{10}	L_{25}	L_{50}	L_{90}	L_{EQ}
AAmbient 65 dBA (set D = 15 m)	1,2	100%	65	15	0.000	0	65	65	65	65	65	65	65	65
City Street Traffic C (moderate)	1	60%	75	15	0.005	8	67	67	67	67	67	66	65	65
Combined Effects of all Equipment and Infrastructure on Receptor							**69**	**69**	**69**	**69**	**69**	**69**	**68**	**68**
Sources: (1) Broch 1971, (2) Plog 1988, (3) Rogers 2006, (4) T&M 1986, (5) Alberts 2006, (6) CPUC 2009, (7) EBMUD 2010, (8) FHWA 2006, (9) ENTRIX 2010, (10) General Plans, (11) EPA 1971														

Estimated Mitigated Noise Impacts from Operation - Traffic, Golf Course Community (Alternative 2)

Stationary Equipment and Infrastructure	Ref.	Usage Factor	L_{REF} dBA	D m	TC dBA/m	IL dBA	Sound Level in Decibels, A-weighted (dBA) L_{MAX}	L_{02}	L_{08}	L_{10}	L_{25}	L_{50}	L_{90}	L_{EQ}
AAmbient 60 dBA (set D = 15 m)	1,2	100%	60	15	0.000	0	60	60	60	60	60	60	60	60
City Street Traffic C (moderate)	1	60%	75	22	0.005	5	67	67	67	67	67	66	65	64
Combined Effects of all Equipment and Infrastructure on Receptor							**67**	**67**	**67**	**67**	**67**	**67**	**66**	**66**
Sources: (1) Broch 1971, (2) Plog 1988, (3) Rogers 2006, (4) T&M 1986, (5) Alberts 2006, (6) CPUC 2009, (7) EBMUD 2010, (8) FHWA 2006, (9) ENTRIX 2010, (10) General Plans, (11) EPA 1971														

Estimated Mitigated Noise Impacts from Operation - Traffic, Hillside Community (Alternative 2)

Stationary Equipment and Infrastructure	Ref.	Usage	L_{REF}	D	TC	IL	Sound Level in Decibels, A-weighted (dBA)							
		Factor	dBA	m	dBA/m	dBA	L_{MAX}	L_{02}	L_{08}	L_{10}	L_{25}	L_{50}	L_{90}	L_{EQ}
AAmbient 60 dBA (set D = 15 m)	1,2	100%	60	15	0.000	0	60	60	60	60	60	60	60	60
City Street Traffic C (moderate)	1	60%	75	92	0.005	0	59	59	59	59	59	58	57	57
Combined Effects of all Equipment and Infrastructure on Receptor							**62**	**62**	**62**	**62**	**62**	**62**	**62**	**62**
Sources: (1) Broch 1971, (2) Plog 1988, (3) Rogers 2006, (4) T&M 1986, (5) Alberts 2006, (6) CPUC 2009, (7) EBMUD 2010, (8) FHWA 2006, (9) ENTRIX 2010, (10) General Plans, (11) EPA 1971														

Estimated Mitgated Noise Impacts from Operation - South Parking Structure (Alternative 2)

Stationary Equipment and Infrastructure	Ref.	Usage	L_{REF}	D	TC	IL	Sound Level in Decibels, A-weighted (dBA)							
		Factor	dBA	m	dBA/m	dBA	L_{MAX}	L_{02}	L_{08}	L_{10}	L_{25}	L_{50}	L_{90}	L_{EQ}
AAmbient 65 dBA (set D = 15 m)	1,2	100%	65	15	0.000	0	65	65	65	65	65	65	65	65
Car Park Structure - Alarm	10	100%	68	101	0.005	8	43	43	43	43	43	43	43	43
Car Park Structure - Door Slam	10	20%	45	101	0.005	8	20	16	16	16	15	15	13	13
Car Park Structure - Engine Start	10	20%	62	101	0.005	8	37	33	33	33	32	32	30	30
Car Park Structure - Slow Drive	10	40%	65	101	0.005	8	40	39	39	39	38	38	36	36
Combined Effects of all Equipment and Infrastructure on Receptor							**65**	**65**	**65**	**65**	**65**	**65**	**65**	**65**
Sources: (1) Broch 1971, (2) Plog 1988, (3) Rogers 2006, (4) T&M 1986, (5) Alberts 2006, (6) CPUC 2009, (7) EBMUD 2010, (8) FHWA 2006, (9) ENTRIX 2010, (10) General Plans, (11) EPA 1971														

Estimated Mitigated Noise Impacts from Operation - North Parking Structure (Alternative 2)

Stationary Equipment and Infrastructure	Ref.	Usage	L_{REF}	D	TC	IL	Sound Level in Decibels, A-weighted (dBA)							
		Factor	dBA	m	dBA/m	dBA	L_{MAX}	L_{02}	L_{08}	L_{10}	L_{25}	L_{50}	L_{90}	L_{EQ}
AAmbient 65 dBA (set D = 15 m)	1,2	100%	65	15	0.000	0	65	65	65	65	65	65	65	65
Car Park Structure - Alarm	10	100%	68	353	0.005	0	39	39	39	39	39	39	39	39
Car Park Structure - Door Slam	10	20%	45	353	0.005	0	16	12	12	12	11	10	9	9
Car Park Structure - Engine Start	10	20%	62	353	0.005	0	33	29	29	29	28	27	26	26
Car Park Structure - Slow Drive	10	40%	65	353	0.005	0	36	35	35	35	34	33	32	32
Combined Effects of all Equipment and Infrastructure on Receptor							**65**	**65**	**65**	**65**	**65**	**65**	**65**	**65**

Sources: (1) Broch 1971, (2) Plog 1988, (3) Rogers 2006, (4) T&M 1986, (5) Alberts 2006, (6) CPUC 2009, (7) EBMUD 2010, (8) FHWA 2006, (9) ENTRIX 2010, (10) General Plans, (11) EPA 1971

Estimated Mitgated Noise Impacts from Operation - Loading Dock, Soboba Springs Mobile Estates (Alternative 2)

Stationary Equipment and Infrastructure	Ref.	Usage	L_{REF}	D	TC	IL	Sound Level in Decibels, A-weighted (dBA)							
		Factor	dBA	m	dBA/m	dBA	L_{MAX}	L_{02}	L_{08}	L_{10}	L_{25}	L_{50}	L_{90}	L_{EQ}
AAmbient 65 dBA (set D = 15 m)	1,2	100%	65	15	0.000	0	65	65	65	65	65	65	65	65
Tractor Trailer Truck (18-wheel, idle/slow)	11	20%	75	220	0.005	8	43	39	39	39	38	37	36	36
Tractor Trailer Truck (18-wheel, idle/slow)	11	20%	75	220	0.005	8	43	39	39	39	38	37	36	36
Combined Effects of all Equipment and Infrastructure on Receptor							**65**	**65**	**65**	**65**	**65**	**65**	**65**	**65**

Sources: (1) Broch 1971, (2) Plog 1988, (3) Rogers 2006, (4) T&M 1986, (5) Alberts 2006, (6) CPUC 2009, (7) EBMUD 2010, (8) FHWA 2006, (9) ENTRIX 2010, (10) General Plans, (11) EPA 1971

Estimated Mitgated Noise Impacts from Operation - Loading Dock, Golf Course Community (Alternative 2)

Stationary Equipment and Infrastructure	Ref.	Usage	L_{REF}	D	TC	IL	Sound Level in Decibels, A-weighted (dBA)							
		Factor	dBA	m	dBA/m	dBA	L_{MAX}	L_{02}	L_{08}	L_{10}	L_{25}	L_{50}	L_{90}	L_{EQ}
AAmbient 65 dBA (set D = 15 m)	1,2	100%	65	15	0.000	0	65	65	65	65	65	65	65	65
Tractor Trailer Truck (18-wheel, idle/slow)	11	20%	75	220	0.005	0	51	47	47	47	46	45	44	44
Tractor Trailer Truck (18-wheel, idle/slow)	11	20%	75	220	0.005	0	51	47	47	47	46	45	44	44
Combined Effects of all Equipment and Infrastructure on Receptor							**65**	**65**	**65**	**65**	**65**	**65**	**65**	**65**
Sources: (1) Broch 1971, (2) Plog 1988, (3) Rogers 2006, (4) T&M 1986, (5) Alberts 2006, (6) CPUC 2009, (7) EBMUD 2010, (8) FHWA 2006, (9) ENTRIX 2010, (10) General Plans, (11) EPA 1971														

Estimated Mitgated Noise Impacts from Operation - HVAC, Soboba Springs Mobile Estates (Alternative 2)

Stationary Equipment and Infrastructure	Ref.	Usage	L_{REF}	D	TC	IL	Sound Level in Decibels, A-weighted (dBA)							
		Factor	dBA	m	dBA/m	dBA	L_{MAX}	L_{02}	L_{08}	L_{10}	L_{25}	L_{50}	L_{90}	L_{EQ}
AAmbient 60 dBA (set D = 15 m)	1,2	100%	60	15	0.000	0	60	60	60	60	60	60	60	60
HVAC/Refrigeration Unit	8	100%	82	201	0.005	8	50	50	50	50	50	50	50	50
Generator (<25 KVA quiet design)	8	50%	70	201	0.005	8	38	38	38	38	38	37	36	35
Combined Effects of all Equipment and Infrastructure on Receptor							**60**	**60**	**60**	**60**	**60**	**60**	**60**	**60**

Sources: (1) Broch 1971, (2) Plog 1988, (3) Rogers 2006, (4) T&M 1986, (5) Alberts 2006, (6) CPUC 2009, (7) EBMUD 2010, (8) FHWA 2006, (9) ENTRIX 2010, (10) General Plans, (11) EPA 1971

Estimated Mitigated Noise Impacts from Operation - HVAC, Golf Course Community (Alternative 2)

Stationary Equipment and Infrastructure	Ref.	Usage	L_{REF}	D	TC	IL	Sound Level in Decibels, A-weighted (dBA)							
		Factor	dBA	m	dBA/m	dBA	L_{MAX}	L_{02}	L_{08}	L_{10}	L_{25}	L_{50}	L_{90}	L_{EQ}
AAmbient 60 dBA (set D = 15 m)	1,2	100%	60	15	0.000	0	60	60	60	60	60	60	60	60
HVAC/Refrigeration Unit	8	100%	82	353	0.005	8	45	45	45	45	45	45	45	45
Generator (<25 KVA quiet design)	8	50%	70	353	0.005	8	33	33	33	33	32	31	30	30
Combined Effects of all Equipment and Infrastructure on Receptor							**60**	**60**	**60**	**60**	**60**	**60**	**60**	**60**
Sources: (1) Broch 1971, (2) Plog 1988, (3) Rogers 2006, (4) T&M 1986, (5) Alberts 2006, (6) CPUC 2009, (7) EBMUD 2010, (8) FHWA 2006, (9) ENTRIX 2010, (10) General Plans, (11) EPA 1971														

Estimated Mitigated Noise Impacts from Operation - Wastewater Treatment Plant (Alternative 2)

Stationary Equipment and Infrastructure	Ref.	Usage Factor	L_{REF} dBA	D m	TC dBA/m	IL dBA	Sound Level in Decibels, A-weighted (dBA) L_{MAX}	L_{02}	L_{08}	L_{10}	L_{25}	L_{50}	L_{90}	L_{EQ}
AAmbient 65 dBA (set D = 15 m)	1,2	100%	65	15	0.000	0	65	65	65	65	65	65	65	65
Electric Water Pump (110 HP x 3)	7	100%	55	165	0.005	8	25	25	25	25	25	25	25	25
Electric Water Pump (50 HP x 3)	7	100%	55	165	0.005	8	25	25	25	25	25	25	25	25
Combined Effects of all Equipment and Infrastructure on Receptor							**65**	**65**	**65**	**65**	**65**	**65**	**65**	**65**

Sources: (1) Broch 1971, (2) Plog 1988, (3) Rogers 2006, (4) T&M 1986, (5) Alberts 2006, (6) CPUC 2009, (7) EBMUD 2010, (8) FHWA 2006, (9) ENTRIX 2010, (10) General Plans, (11) EPA 1971

Ambient Traffic Noise

Stationary Equipment and Infrastructure	Ref.	Usage Factor	L_{REF} dBA	D m	TC dBA/m	IL dBA	Sound Level in Decibels, A-weighted (dBA) L_{MAX}	L_{02}	L_{08}	L_{10}	L_{25}	L_{50}	L_{90}	L_{EQ}
AAmbient 65 dBA (set D = 15 m)	1,2	100%	65	15	0.000	0	65	65	65	65	65	65	65	65
City Street Traffic C (moderate)	1	60%	75	165	0.005	0	53	53	53	53	53	53	51	51
Combined Effects of all Equipment and Infrastructure on Receptor							**65**	**65**	**65**	**65**	**65**	**65**	**65**	**65**

Sources: (1) Broch 1971, (2) Plog 1988, (3) Rogers 2006, (4) T&M 1986, (5) Alberts 2006, (6) CPUC 2009, (7) EBMUD 2010, (8) FHWA 2006, (9) ENTRIX 2010, (10) General Plans, (11) EPA 1971

Unmitigated Operational Noise - Alternative 3

Estimated Unmitigated Operational Noise Impacts from Stationary Equipment and Onroad Vehicles - Summary (Alternative 3)

Receptor Location	Noise Source	Sound Level in Decibels, A-weighted (dBA)							
		L_{MAX}	L_{02}	L_{08}	L_{10}	L_{25}	L_{50}	L_{90}	L_{EQ}
Soboba Springs Community	Traffic	71	71	71	71	71	71	70	70
	Surface Parking	67	67	67	67	67	67	66	66
	Loading Dock	71	69	69	69	68	68	67	67
	Wastewater Treatment Plant	65	65	65	65	65	65	65	65
	HVAC/Refridgeration Unit	74	74	74	74	74	74	74	74
	Combined Effects	77	76	76	76	76	76	76	76
Golf Course	Traffic	67	67	67	67	67	67	66	66
Hill Community	Traffic	62	62	62	62	62	62	62	62
Source: DOT FHWA 2006									

Estimated Unmitigated Noise Impacts from Operation - Combined Effects on Soboba Springs Mobile Estates (Alternative 3)

Stationary Equipment and Infrastructure	Ref.	Usage	L_{REF}	D	TC	IL	Sound Level in Decibels, A-weighted (dBA)							
		Factor	dBA	m	dBA/m	dBA	L_{MAX}	L_{02}	L_{08}	L_{10}	L_{25}	L_{50}	L_{90}	L_{EQ}
AAmbient 65 dBA (set D = 15 m)	1,2	100%	65	15	0.000	0	65	65	65	65	65	65	65	65
City Street Traffic C (moderate)	1	60%	75	15	0.005	5	70	70	70	70	70	69	68	68
Car Park Structure - Alarm	10	100%	68	21	0.005	5	60	60	60	60	60	60	60	60
Car Park Structure - Door Slam	10	20%	45	21	0.005	5	37	33	33	33	32	32	30	30
Car Park Structure - Engine Start	10	20%	62	21	0.005	5	54	50	50	50	49	49	47	47
Car Park Structure - Slow Drive	10	40%	65	21	0.005	5	57	56	56	56	55	55	53	53
Tractor Trailer Truck (18-wheel, idle/slow)	11	20%	75	21	0.005	5	67	63	63	63	62	62	60	60
Tractor Trailer Truck (18-wheel, idle/slow)	11	20%	75	21	0.005	5	67	63	63	63	62	62	60	60
Electric Water Pump (110 HP x 3)	7	100%	55	165	0.005	5	28	28	28	28	28	28	28	28
Electric Water Pump (50 HP x 3)	7	100%	55	165	0.005	5	28	28	28	28	28	28	28	28
HVAC/Refrigeration Unit	8	100%	82	21	0.005	5	74	74	74	74	74	74	74	74
Combined Effects of all Equipment and Infrastructure on Receptor							**77**	**76**	**76**	**76**	**76**	**76**	**76**	**76**

Sources: (1) Broch 1971, (2) Plog 1988, (3) Rogers 2006, (4) T&M 1986, (5) Alberts 2006, (6) CPUC 2009, (7) EBMUD 2010, (8) FHWA 2006, (9) ENTRIX 2010, (10) General Plans, (11) EPA 1971

Estimated Unmitigated Noise Impacts from Operation - Combined Effects on Golf Course Community (Alternative 3)

Stationary Equipment and Infrastructure	Ref.	Usage	L_{REF}	D	TC	IL	Sound Level in Decibels, A-weighted (dBA)							
		Factor	dBA	m	dBA/m	dBA	L_{MAX}	L_{02}	L_{08}	L_{10}	L_{25}	L_{50}	L_{90}	L_{EQ}
AAmbient 65 dBA (set D = 15 m)	1,2	100%	65	15	0.000	0	65	65	65	65	65	65	65	65
City Street Traffic C (moderate)	1	60%	75	22	0.005	5	67	67	67	67	67	66	65	64
Combined Effects of all Equipment and Infrastructure on Receptor							**69**	**69**	**69**	**69**	**69**	**69**	**68**	**68**
Sources: (1) Broch 1971, (2) Plog 1988, (3) Rogers 2006, (4) T&M 1986, (5) Alberts 2006, (6) CPUC 2009, (7) EBMUD 2010, (8) FHWA 2006, (9) ENTRIX 2010, (10) General Plans, (11) EPA 1971														

Estimated Unmitigated Noise Impacts from Operation - Traffic, Soboba Springs Mobile Estates (Alternative 3)

Stationary Equipment and Infrastructure	Ref.	Usage Factor	L_{REF} dBA	D m	TC dBA/m	IL dBA	Sound Level in Decibels, A-weighted (dBA)							
							L_{MAX}	L_{02}	L_{08}	L_{10}	L_{25}	L_{50}	L_{90}	L_{EQ}
AAmbient 65 dBA (set D = 15 m)	1,2	100%	65	15	0.000	0	65	65	65	65	65	65	65	65
City Street Traffic C (moderate)	1	60%	75	15	0.005	5	70	70	70	70	70	69	68	68
Combined Effects of all Equipment and Infrastructure on Receptor							**71**	**71**	**71**	**71**	**71**	**71**	**70**	**70**

Sources: (1) Broch 1971, (2) Plog 1988, (3) Rogers 2006, (4) T&M 1986, (5) Alberts 2006, (6) CPUC 2009, (7) EBMUD 2010, (8) FHWA 2006, (9) ENTRIX 2010, (10) General Plans, (11) EPA 1971

Estimated Unmitigated Noise Impacts from Operation - Traffic, Golf Course Community (Alternative 3)

Stationary Equipment and Infrastructure	Ref.	Usage	L_{REF}	D	TC	IL	Sound Level in Decibels, A-weighted (dBA)							
		Factor	dBA	m	dBA/m	dBA	L_{MAX}	L_{02}	L_{08}	L_{10}	L_{25}	L_{50}	L_{90}	L_{EQ}
AAmbient 60 dBA (set D = 15 m)	1,2	100%	60	15	0.000	0	60	60	60	60	60	60	60	60
City Street Traffic C (moderate)	1	60%	75	22	0.005	5	67	67	67	67	67	66	65	64
Combined Effects of all Equipment and Infrastructure on Receptor							**67**	**67**	**67**	**67**	**67**	**67**	**66**	**66**
Sources: (1) Broch 1971, (2) Plog 1988, (3) Rogers 2006, (4) T&M 1986, (5) Alberts 2006, (6) CPUC 2009, (7) EBMUD 2010, (8) FHWA 2006, (9) ENTRIX 2010, (10) General Plans, (11) EPA 1971														

Estimated Unmitigated Noise Impacts from Operation - Traffic, Hillside Community (Alternative 3)

Stationary Equipment and Infrastructure	Ref.	Usage	L_{REF}	D	TC	IL	Sound Level in Decibels, A-weighted (dBA)							
		Factor	dBA	m	dBA/m	dBA	L_{MAX}	L_{02}	L_{08}	L_{10}	L_{25}	L_{50}	L_{90}	L_{EQ}
AAmbient 60 dBA (set D = 15 m)	1,2	100%	60	15	0.000	0	60	60	60	60	60	60	60	60
City Street Traffic C (moderate)	1	60%	75	92	0.005	0	59	59	59	59	59	58	57	57
Combined Effects of all Equipment and Infrastructure on Receptor							**62**	**62**	**62**	**62**	**62**	**62**	**62**	**62**
Sources: (1) Broch 1971, (2) Plog 1988, (3) Rogers 2006, (4) T&M 1986, (5) Alberts 2006, (6) CPUC 2009, (7) EBMUD 2010, (8) FHWA 2006, (9) ENTRIX 2010, (10) General Plans, (11) EPA 1971														

Estimated Unmitigated Noise Impacts from Operation - Surface Parking (Alternative 3)

Stationary Equipment and Infrastructure	Ref.	Usage	L_{REF}	D	TC	IL	Sound Level in Decibels, A-weighted (dBA)							
		Factor	dBA	m	dBA/m	dBA	L_{MAX}	L_{02}	L_{08}	L_{10}	L_{25}	L_{50}	L_{90}	L_{EQ}
AAmbient 65 dBA (set D = 15 m)	1,2	100%	65	15	0.000	0	65	65	65	65	65	65	65	65
Car Park Structure - Alarm	10	100%	68	21	0.005	5	60	60	60	60	60	60	60	60
Car Park Structure - Door Slam	10	20%	45	21	0.005	5	37	33	33	33	32	32	30	30
Car Park Structure - Engine Start	10	20%	62	21	0.005	5	54	50	50	50	49	49	47	47
Car Park Structure - Slow Drive	10	40%	65	21	0.005	5	57	56	56	56	55	55	53	53
Combined Effects of all Equipment and Infrastructure on Receptor							**67**	**67**	**67**	**67**	**67**	**67**	**66**	**66**
Sources: (1) Broch 1971, (2) Plog 1988, (3) Rogers 2006, (4) T&M 1986, (5) Alberts 2006, (6) CPUC 2009, (7) EBMUD 2010, (8) FHWA 2006, (9) ENTRIX 2010, (10) General Plans, (11) EPA 1971														

Estimated Unmitigated Noise Impacts from Operation - Loading Dock (Alternative 3)

Stationary Equipment and Infrastructure	Ref.	Usage	L_{REF}	D	TC	IL	Sound Level in Decibels, A-weighted (dBA)							
		Factor	dBA	m	dBA/m	dBA	L_{MAX}	L_{02}	L_{08}	L_{10}	L_{25}	L_{50}	L_{90}	L_{EQ}
AAmbient 65 dBA (set D = 15 m)	1,2	100%	65	15	0.000	0	65	65	65	65	65	65	65	65
Tractor Trailer Truck (18-wheel, idle/slow)	11	20%	75	21	0.005	5	67	63	63	63	62	62	60	60
Tractor Trailer Truck (18-wheel, idle/slow)	11	20%	75	21	0.005	5	67	63	63	63	62	62	60	60
Combined Effects of all Equipment and Infrastructure on Receptor							**71**	**69**	**69**	**69**	**68**	**68**	**67**	**67**
Sources: (1) Broch 1971, (2) Plog 1988, (3) Rogers 2006, (4) T&M 1986, (5) Alberts 2006, (6) CPUC 2009, (7) EBMUD 2010, (8) FHWA 2006, (9) ENTRIX 2010, (10) General Plans, (11) EPA 1971														

Estimated Unmitigated Noise Impacts from Operation - HVAC (Alternative 3)

Stationary Equipment and Infrastructure	Ref.	Usage Factor	L_{REF} dBA	D m	TC dBA/m	IL dBA	Sound Level in Decibels, A-weighted (dBA) L_{MAX}	L_{02}	L_{08}	L_{10}	L_{25}	L_{50}	L_{90}	L_{EQ}
AAmbient 60 dBA (set D = 15 m)	1,2	100%	60	15	0.000	0	60	60	60	60	60	60	60	60
HVAC/Refrigeration Unit	8	100%	82	21	0.005	5	74	74	74	74	74	74	74	74
Combined Effects of all Equipment and Infrastructure on Receptor							**74**	**74**	**74**	**74**	**74**	**74**	**74**	**74**

Sources: (1) Broch 1971, (2) Plog 1988, (3) Rogers 2006, (4) T&M 1986, (5) Alberts 2006, (6) CPUC 2009, (7) EBMUD 2010, (8) FHWA 2006, (9) ENTRIX 2010, (10) General Plans, (11) EPA 1971

Estimated Unmitgated Noise Impacts from Operation - Wastewater Treatment Plant (Alternative 3)

Stationary Equipment and Infrastructure	Ref.	Usage	L_{REF}	D	TC	IL	Sound Level in Decibels, A-weighted (dBA)							
		Factor	dBA	m	dBA/m	dBA	L_{MAX}	L_{02}	L_{08}	L_{10}	L_{25}	L_{50}	L_{90}	L_{EQ}
AAmbient 65 dBA (set D = 15 m)	1,2	100%	65	15	0.000	0	65	65	65	65	65	65	65	65
Electric Water Pump (110 HP x 3)	7	100%	55	165	0.005	5	28	28	28	28	28	28	28	28
Electric Water Pump (50 HP x 3)	7	100%	55	165	0.005	5	28	28	28	28	28	28	28	28
Combined Effects of all Equipment and Infrastructure on Receptor							**65**	**65**	**65**	**65**	**65**	**65**	**65**	**65**

Sources: (1) Broch 1971, (2) Plog 1988, (3) Rogers 2006, (4) T&M 1986, (5) Alberts 2006, (6) CPUC 2009, (7) EBMUD 2010, (8) FHWA 2006, (9) ENTRIX 2010, (10) General Plans, (11) EPA 1971

Ambient Traffic Noise

Stationary Equipment and Infrastructure	Ref.	Usage Factor	L_{REF} dBA	D m	TC dBA/m	IL dBA	L_{MAX}	L_{02}	L_{08}	L_{10}	L_{25}	L_{50}	L_{90}	L_{EQ}
							Sound Level in Decibels, A-weighted (dBA)							
AAmbient 65 dBA (set D = 15 m)	1,2	100%	65	15	0.000	0	65	65	65	65	65	65	65	65
City Street Traffic C (moderate)	1	60%	75	165	0.005	0	53	53	53	53	53	53	51	51
Combined Effects of all Equipment and Infrastructure on Receptor							**65**	**65**	**65**	**65**	**65**	**65**	**65**	**65**

Sources: (1) Broch 1971, (2) Plog 1988, (3) Rogers 2006, (4) T&M 1986, (5) Alberts 2006, (6) CPUC 2009, (7) EBMUD 2010, (8) FHWA 2006, (9) ENTRIX 2010, (10) General Plans, (11) EPA 1971

Mitigated Operational Noise - Alternative 3

Estimated Mitigated Operational Noise Impacts from Stationary Equipment and Onroad Vehicles - Summary (Alternative 3)

Receptor Location	Noise Source	Sound Level in Decibels, A-weighted (dBA)							
		L_{MAX}	L_{02}	L_{08}	L_{10}	L_{25}	L_{50}	L_{90}	L_{EQ}
Soboba Springs Community	Traffic	69	69	69	69	69	69	68	68
	Surface Parking	66	66	66	66	66	66	66	66
	Loading Dock	69	67	67	67	67	67	66	66
	Wastewater Treatment Plant	65	65	65	65	65	65	65	65
	HVAC/Refridgeration Unit	71	71	71	71	71	71	71	71
	Combined Effects	74	74	74	74	74	73	73	73
Golf Course	Traffic	67	67	67	67	67	67	66	66
Hill Community	Traffic	62	62	62	62	62	62	62	62
Source: DOT FHWA 2006									

Estimated Mitigated Noise Impacts from Operation - Combined Effects on Soboba Springs Mobile Estates (Alternative 3)

Stationary Equipment and Infrastructure	Ref.	Usage Factor	L_{REF} dBA	D m	TC dBA/m	IL dBA	Sound Level in Decibels, A-weighted (dBA)							
							L_{MAX}	L_{02}	L_{08}	L_{10}	L_{25}	L_{50}	L_{90}	L_{EQ}
AAmbient 65 dBA (set D = 15 m)	1,2	100%	65	15	0.000	0	65	65	65	65	65	65	65	65
City Street Traffic C (moderate)	1	60%	75	15	0.005	8	67	67	67	67	67	66	65	65
Car Park Structure - Alarm	10	100%	68	21	0.005	8	57	57	57	57	57	57	57	57
Car Park Structure - Door Slam	10	20%	45	21	0.005	8	34	30	30	30	29	29	27	27
Car Park Structure - Engine Start	10	20%	62	21	0.005	8	51	47	47	47	46	46	44	44
Car Park Structure - Slow Drive	10	40%	65	21	0.005	8	54	53	53	53	52	52	50	50
Tractor Trailer Truck (18-wheel, idle/slow)	11	20%	75	21	0.005	8	64	60	60	60	59	59	57	57
Tractor Trailer Truck (18-wheel, idle/slow)	11	20%	75	21	0.005	8	64	60	60	60	59	59	57	57
Electric Water Pump (110 HP x 3)	7	100%	55	165	0.005	8	25	25	25	25	25	25	25	25
Electric Water Pump (50 HP x 3)	7	100%	55	165	0.005	8	25	25	25	25	25	25	25	25
HVAC/Refrigeration Unit	8	100%	82	21	0.005	8	71	71	71	71	71	71	71	71
Combined Effects of all Equipment and Infrastructure on Receptor							**74**	**74**	**74**	**74**	**74**	**73**	**73**	**73**

Sources: (1) Broch 1971, (2) Plog 1988, (3) Rogers 2006, (4) T&M 1986, (5) Alberts 2006, (6) CPUC 2009, (7) EBMUD 2010, (8) FHWA 2006, (9) ENTRIX 2010, (10) General Plans, (11) EPA 1971

Estimated Mitigated Noise Impacts from Operation - Combined Effects on Golf Course Community (Alternative 3)

Stationary Equipment and Infrastructure	Ref.	Usage	L_{REF}	D	TC	IL	Sound Level in Decibels, A-weighted (dBA)							
		Factor	dBA	m	dBA/m	dBA	L_{MAX}	L_{02}	L_{08}	L_{10}	L_{25}	L_{50}	L_{90}	L_{EQ}
AAmbient 65 dBA (set D = 15 m)	1,2	100%	65	15	0.000	0	65	65	65	65	65	65	65	65
City Street Traffic C (moderate)	1	60%	75	22	0.005	5	67	67	67	67	67	66	65	64
Combined Effects of all Equipment and Infrastructure on Receptor							**69**	**69**	**69**	**69**	**69**	**69**	**68**	**68**
Sources: (1) Broch 1971, (2) Plog 1988, (3) Rogers 2006, (4) T&M 1986, (5) Alberts 2006, (6) CPUC 2009, (7) EBMUD 2010, (8) FHWA 2006, (9) ENTRIX 2010, (10) General Plans, (11) EPA 1971														

Estimated Mitigated Noise Impacts from Operation - Traffic, Soboba Springs Mobile Estates (Alternative 3)

Stationary Equipment and Infrastructure	Ref.	Usage	L_{REF}	D	TC	IL	Sound Level in Decibels, A-weighted (dBA)							
		Factor	dBA	m	dBA/m	dBA	L_{MAX}	L_{02}	L_{08}	L_{10}	L_{25}	L_{50}	L_{90}	L_{EQ}
AAmbient 65 dBA (set D = 15 m)	1,2	100%	65	15	0.000	0	65	65	65	65	65	65	65	65
City Street Traffic C (moderate)	1	60%	75	15	0.005	8	67	67	67	67	67	66	65	65
Combined Effects of all Equipment and Infrastructure on Receptor							**69**	**69**	**69**	**69**	**69**	**69**	**68**	**68**
Sources: (1) Broch 1971, (2) Plog 1988, (3) Rogers 2006, (4) T&M 1986, (5) Alberts 2006, (6) CPUC 2009, (7) EBMUD 2010, (8) FHWA 2006, (9) ENTRIX 2010, (10) General Plans, (11) EPA 1971														

Estimated Mitigated Noise Impacts from Operation - Traffic, Golf Course Community (Alternative 3)

Stationary Equipment and Infrastructure	Ref.	Usage Factor	L_{REF} dBA	D m	TC dBA/m	IL dBA	Sound Level in Decibels, A-weighted (dBA)							
							L_{MAX}	L_{02}	L_{08}	L_{10}	L_{25}	L_{50}	L_{90}	L_{EQ}
AAmbient 60 dBA (set D = 15 m)	1,2	100%	60	15	0.000	0	60	60	60	60	60	60	60	60
City Street Traffic C (moderate)	1	60%	75	22	0.005	5	67	67	67	67	67	66	65	64
Combined Effects of all Equipment and Infrastructure on Receptor							**67**	**67**	**67**	**67**	**67**	**67**	**66**	**66**

Sources: (1) Broch 1971, (2) Plog 1988, (3) Rogers 2006, (4) T&M 1986, (5) Alberts 2006, (6) CPUC 2009, (7) EBMUD 2010, (8) FHWA 2006, (9) ENTRIX 2010, (10) General Plans, (11) EPA 1971

Estimated Mitigated Noise Impacts from Operation - Traffic, Hillside Community (Alternative 3)

Stationary Equipment and Infrastructure	Ref.	Usage Factor	L_{REF} dBA	D m	TC dBA/m	IL dBA	Sound Level in Decibels, A-weighted (dBA) L_{MAX}	L_{02}	L_{08}	L_{10}	L_{25}	L_{50}	L_{90}	L_{EQ}
AAmbient 60 dBA (set D = 15 m)	1,2	100%	60	15	0.000	0	60	60	60	60	60	60	60	60
City Street Traffic C (moderate)	1	60%	75	92	0.005	0	59	59	59	59	59	58	57	57
Combined Effects of all Equipment and Infrastructure on Receptor							**62**	**62**	**62**	**62**	**62**	**62**	**62**	**62**

Sources: (1) Broch 1971, (2) Plog 1988, (3) Rogers 2006, (4) T&M 1986, (5) Alberts 2006, (6) CPUC 2009, (7) EBMUD 2010, (8) FHWA 2006, (9) ENTRIX 2010, (10) General Plans, (11) EPA 1971

Estimated Mitigated Noise Impacts from Operation - Surface Parking (Alternative 3)

Stationary Equipment and Infrastructure	Ref.	Usage Factor	L_{REF} dBA	D m	TC dBA/m	IL dBA	Sound Level in Decibels, A-weighted (dBA) L_{MAX}	L_{02}	L_{08}	L_{10}	L_{25}	L_{50}	L_{90}	L_{EQ}
AAmbient 65 dBA (set D = 15 m)	1,2	100%	65	15	0.000	0	65	65	65	65	65	65	65	65
Car Park Structure - Alarm	10	100%	68	21	0.005	8	57	57	57	57	57	57	57	57
Car Park Structure - Door Slam	10	20%	45	21	0.005	8	34	30	30	30	29	29	27	27
Car Park Structure - Engine Start	10	20%	62	21	0.005	8	51	47	47	47	46	46	44	44
Car Park Structure - Slow Drive	10	40%	65	21	0.005	8	54	53	53	53	52	52	50	50
Combined Effects of all Equipment and Infrastructure on Receptor							**66**	**66**	**66**	**66**	**66**	**66**	**66**	**66**

Sources: (1) Broch 1971, (2) Plog 1988, (3) Rogers 2006, (4) T&M 1986, (5) Alberts 2006, (6) CPUC 2009, (7) EBMUD 2010, (8) FHWA 2006, (9) ENTRIX 2010, (10) General Plans, (11) EPA 1971

Estimated Mitigated Noise Impacts from Operation - Loading Dock (Alternative 3)

Stationary Equipment and Infrastructure	Ref.	Usage Factor	L_{REF} dBA	D m	TC dBA/m	IL dBA	Sound Level in Decibels, A-weighted (dBA) L_{MAX}	L_{02}	L_{08}	L_{10}	L_{25}	L_{50}	L_{90}	L_{EQ}
AAmbient 65 dBA (set D = 15 m)	1,2	100%	65	15	0.000	0	65	65	65	65	65	65	65	65
Tractor Trailer Truck (18-wheel, idle/slow)	11	20%	75	21	0.005	8	64	60	60	60	59	59	57	57
Tractor Trailer Truck (18-wheel, idle/slow)	11	20%	75	21	0.005	8	64	60	60	60	59	59	57	57
Combined Effects of all Equipment and Infrastructure on Receptor							**69**	**67**	**67**	**67**	**67**	**67**	**66**	**66**
Sources: (1) Broch 1971, (2) Plog 1988, (3) Rogers 2006, (4) T&M 1986, (5) Alberts 2006, (6) CPUC 2009, (7) EBMUD 2010, (8) FHWA 2006, (9) ENTRIX 2010, (10) General Plans, (11) EPA 1971														

Estimated Mitigated Noise Impacts from Operation - HVAC (Alternative 3)

Stationary Equipment and Infrastructure	Ref.	Usage	L_{REF}	D	TC	IL	Sound Level in Decibels, A-weighted (dBA)							
		Factor	dBA	m	dBA/m	dBA	L_{MAX}	L_{02}	L_{08}	L_{10}	L_{25}	L_{50}	L_{90}	L_{EQ}
AAmbient 60 dBA (set D = 15 m)	1,2	100%	60	15	0.000	0	60	60	60	60	60	60	60	60
HVAC/Refrigeration Unit	8	100%	82	21	0.005	8	71	71	71	71	71	71	71	71
Combined Effects of all Equipment and Infrastructure on Receptor							**71**	**71**	**71**	**71**	**71**	**71**	**71**	**71**
Sources: (1) Broch 1971, (2) Plog 1988, (3) Rogers 2006, (4) T&M 1986, (5) Alberts 2006, (6) CPUC 2009, (7) EBMUD 2010, (8) FHWA 2006, (9) ENTRIX 2010, (10) General Plans, (11) EPA 1971														

Estimated Mitigated Noise Impacts from Operation - Wastewater Treatment Plant (Alternative 3)

Stationary Equipment and Infrastructure	Ref.	Usage	L_{REF}	D	TC	IL	Sound Level in Decibels, A-weighted (dBA)							
		Factor	dBA	m	dBA/m	dBA	L_{MAX}	L_{02}	L_{08}	L_{10}	L_{25}	L_{50}	L_{90}	L_{EQ}
AAmbient 65 dBA (set D = 15 m)	1,2	100%	65	15	0.000	0	65	65	65	65	65	65	65	65
Electric Water Pump (110 HP x 3)	7	100%	55	165	0.005	8	25	25	25	25	25	25	25	25
Electric Water Pump (50 HP x 3)	7	100%	55	165	0.005	8	25	25	25	25	25	25	25	25
Combined Effects of all Equipment and Infrastructure on Receptor							**65**	**65**	**65**	**65**	**65**	**65**	**65**	**65**
Sources: (1) Broch 1971, (2) Plog 1988, (3) Rogers 2006, (4) T&M 1986, (5) Alberts 2006, (6) CPUC 2009, (7) EBMUD 2010, (8) FHWA 2006, (9) ENTRIX 2010, (10) General Plans, (11) EPA 1971														

Ambient Traffic Noise

Stationary Equipment and Infrastructure	Ref.	Usage	L_{REF}	D	TC	IL	Sound Level in Decibels, A-weighted (dBA)							
		Factor	dBA	m	dBA/m	dBA	L_{MAX}	L_{02}	L_{08}	L_{10}	L_{25}	L_{50}	L_{90}	L_{EQ}
AAmbient 65 dBA (set D = 15 m)	1,2	100%	65	15	0.000	0	65	65	65	65	65	65	65	65
City Street Traffic C (moderate)	1	60%	75	165	0.005	0	53	53	53	53	53	53	51	51
Combined Effects of all Equipment and Infrastructure on Receptor							**65**	**65**	**65**	**65**	**65**	**65**	**65**	**65**
Sources: (1) Broch 1971, (2) Plog 1988, (3) Rogers 2006, (4) T&M 1986, (5) Alberts 2006, (6) CPUC 2009, (7) EBMUD 2010, (8) FHWA 2006, (9) ENTRIX 2010, (10) General Plans, (11) EPA 1971														

Notes, References, and Usage Factors

Notes, References and Usage Factors

Terrain Coefficient, TC[7]	dBA/m
Hardscape (urbanized)	0.000
Grassland (open space)	0.005
Chaparral (brush)	0.007
Forest (woodland)	0.010

Insertion Loss, IL (mitigation)[1]	dBA
No Shielding (line-of-sight)	0
Shielding, level 1 (berm or rough terrain)	3
Shielding, level 2 (wall w/ gaps or curtain)	5
Shielding, level 3 (wall w/o gaps)	8
Shielding, level 4 (curtain + wall)	10
Shielding, level 5 (building)	15

Notes:

Usage Factor is percent utilization in any hour

L_{REF} is reference level at 15 meters (50 feet)

D is distance of receptor from source in meters, m (minimum value is 15, integers only)

1 mile = 1,609 meters; 100 meters = 328 feet

Terrain Absorption Coefficient (dBA/m) and Insertion Loss (dBA) as applicable

L_{MAX} - maximum (peak) sound level (instantaneous)

L_{02} - any minute in any hour (1.67% of time)

L_{08} - any 5 minutes in any hour (8.33% of time)

L_{10} - any 6 minutes in any hour (10% of time)

L_{25} - any 15 minutes in any hour (25% of time)

L_{50} - any 30 minutes in any hour (50% of time)

L_{90} - any 54 minutes in any hour (90% of time)

L_{EQ} - equivalent average sound level; 60 minutes in any hour (100% of time)

Notes, References and Usage Factors

References:

(1) Department of Transportation - Federal Highway Administration (DOT FHWA). 2006. Roadway Construction Noise Model User's Guide. DOT John A. Volpe National Transportation Systems Center for FHWA Office of Natural and Human Environment, Washington, DC.

(2) Broch, Jens. 1971. Acoustic Noise Measurements. Bruel & Kjaer.

(3) Kenai Drilling Ltd. 2007. Rig No. 38, 6/27/07, dBA scale, slow response

(4) U.S. Environmental Protection Agency (EPA). 1971. Noise from Construction Equipment and Operations, US Building Equipment, and Home Appliances. Prepared by Bolt Beranek and Newman for USEPA Office of Noise Abatement and Control, Washington, DC.

(5) Brueck, Liz. 2008. Noise Emissions and Exposure from Mobile Wood Chippers. The Health & Safety Executive of Great Britain, Derbyshire, UK.

(6) Plog, Barbara, Ed. 1988. Fundamentals of Industrial Hygiene - 3rd Edition. National Safety Council.

(7) Rogers, Anthony L. 2006. Wind Turbine Noise, Infrasound and Noise Perception. Renewable Energy Research Laboratory, University of Massachusetts, Amherst, MA.

(8) Thumann, Albert & Miller, Richard (T&M). 1986. Fundamentals of Noise Control Engineering. Fairmont Press (Prentice Hall), Atlanta, GA.

DOT FHWA & Other Noise Emission Reference Levels & Usage Factors

Equipment Description	Ref	Usage	dBA	Impact
AAABlank (null value)	--	100%	0	--
AAmbient 30 dBA (set D = 15 m)	2,6	100%	30	No
AAmbient 35 dBA (set D = 15 m)	2,6	100%	35	No
AAmbient 40 dBA (set D = 15 m)	2,6	100%	40	No
AAmbient 45 dBA (set D = 15 m)	2,6	100%	45	No
AAmbient 50 dBA (set D = 15 m)	2,6	100%	50	No
AAmbient 55 dBA (set D = 15 m)	2,6	100%	55	No
AAmbient 60 dBA (set D = 15 m)	2,6	100%	60	No
AAmbient 65 dBA (set D = 15 m)	2,6	100%	65	No
AAmbient 70 dBA (set D = 15 m)	2,6	100%	70	No
AAmbient 75 dBA (set D = 15 m)	2,6	100%	75	No
AAmbient 80 dBA (set D = 15 m)	2,6	100%	80	No
All Other Equipment > 5 HP	1	50%	85	No
Auger Drill Rig	1	20%	85	No
Backhoe (with loader)	1	40%	80	No
Bar Bender	1	20%	80	No
Blasting	1	1%	94	Yes
Boring Jack Power Unit	1	50%	80	No
Chain [or Demolition] Saw	1	20%	85	No
City Street Traffic (autos)	2	100%	75	No
Clam Shovel (dropping)	1	20%	93	Yes
Compactor (ground)	1	20%	80	No

Notes, References and Usage Factors

Compressor (air)	1	40%	80	No
Concrete Batch Plant	1	15%	83	No
Concrete Mixer Truck	1	40%	85	No
Concrete Pump Truck	1	20%	82	No
Concrete Saw	1	20%	90	No
Crane	1	16%	85	No
Dozer (crawler tractor)	1	40%	85	No
Drill Rig (oil well)	3	80%	94	No
Drill Rig Truck	1	20%	84	No
Drum Mixer	1	50%	80	No
Dump Truck	1	40%	84	No
Excavator (hydraulic)	1	40%	85	No
Flat Bed Truck [or Water Truck]	1	40%	84	No
Front End Loader	1	40%	80	No
Generator (<25 KVA quiet design)	1	50%	70	No
Generator (general purpose utility)	1	50%	82	No
Gradall	1	40%	85	No
Grader	1	40%	85	No
Grapple (on backhoe) [or Feller Buncher]	1	40%	85	No
Horizontal Boring Hydraulic Jack	1	25%	80	No
Hydra Break Ram	1	10%	90	Yes
Impact Pile Driver	1	20%	95	Yes
Jackhammer	1	20%	85	Yes
Man Lift	1	20%	85	No
Mounted Impact Hammer (hoe ram)	1	20%	90	Yes
Pavement Scarifier	1	20%	85	No
Paver (asphalt)	1	50%	85	No
Pickup Truck	1	40%	55	No
Pneumatic Tools	1	50%	85	No
Pumps (dewatering)	1	50%	77	No
Refrigeration Unit	1	100%	82	No
Rivet Buster (chipping gun)	1	20%	85	Yes
Rock Drill	1	20%	85	No
Roller	1	20%	85	No
Sand Blasting	1	20%	85	No
Scraper	1	40%	85	No
Shears (on backhoe)	1	40%	85	No

Notes, References and Usage Factors

Slurry Plant	1	100%	78	No
Slurry Trenching Machine	1	50%	82	No
Soil Mix Drill Rig	1	50%	80	No
Tractor [or Skidder] (rubber tire)	1	40%	84	No
Tractor Trailer Truck (18-wheel)	4	40%	85	No
Vacuum Excavator (vac-truck)	1	40%	85	No
Vacuum Street Sweeper	1	10%	80	No
Ventilation Fan	1	100%	85	No
Vibrating Hopper	1	50%	85	No
Vibratory Concrete Mixer	1	20%	80	No
Vibratory Pile Driver	1	20%	95	No
Warning Horn	1	5%	85	No
Welding [or Cutting] Torch	1	40%	73	No
Wood Chipper	5	50%	87	No

Acoustical Terms

This glossary of acoustical terms has been provided with a brief description, for the most part in nontechnical terms in an effort to remove some of the mystery surrounding Acoustics. While the explanations may not be totally correct in their literal interpretations it is hoped that the plain language approach will provide a better understanding of the terminology frequently used in the field of acoustics.

ACOUSTICS: The science of Sound. Its production, transmission and effects.

ACOUSTICAL: The properties of a material to absorb or reflect Sound (adjective) Acoustically, (Adverb).

ACOUSTICAL ANALYSIS: A review of a space to determine the level of reverberation or reflected sound in the space (in seconds) influenced by the building materials used to construct the space. Also the amount of acoustical absorption required to reduce reverberation and noise.

ACOUSTICAL CONSULTANT: A professional usually with an engineering or physical science degree who is experienced in providing advice on acoustical requirements, and noise control in a variety of situations.

ACOUSTICAL ENVIRONMENT: The acoustical characteristics of a space or room influenced by the amount of acoustical absorption, or lack of it in the space.

AIRBORNE SOUND: Sound that reaches the point of interest by propagation through air.

ARCHITECTURAL ACOUSTICS: The control of noise in a building space to adequately support the communications function within the space and its effect on the occupants. The qualities of the building materials used determine its character with respect to distinct hearing.

ARTICULATION CLASS: A single number rating used for comparing acoustical ceilings and acoustical screens for speech privacy purposes. AC values increase with increasing privacy and range from approximately 100-250. This classification supersedes Speech Privacy Noise Isolation Class (NIC) rating method.

ARTICULATION INDEX (AI): A measure of speech intelligibility influenced by Acoustical Environment rated from 0.01 to 1.00.The higher the number the higher the intelligibility of words and sentences understood from 0-100%.

ABSORPTION: The properties of a material composition to convert sound energy into heat thereby reducing the amount of energy that can be reflected.

AREA EFFECT: Acoustical materials spaced apart can have greater absorption than same amount of material butted together. The increase in efficiency is due to absorption by soft exposed edges and also to diffraction of sound energy around panel perimeters.

ASSISTIVE LISTENING DEVICE: An electronic device that provides amplification of sound to a hearing impaired person. Device include personal hearing aids, magnetic induction loops, FM radio systems and infrared systems. All have advantages and disadvantages and some may be dependent on good acoustical environment for optimal performance.

ATTENUATION: The reduction of sound energy as a function of distance traveled. (See also Inverse Square Law).

A-WEIGHTING: An electronic filtering system in a sound meter that allows meter to largely ignore lower frequency sounds in a similar fashion to the way our ears do.

AMBIENT NOISE/SOUND: Noise level in a space from all sources such as HVAC or extraneous sounds from outside the space. Masking sound or low-level background music can contribute to ambient level of sound or noise.

BACKGROUND NOISE: The sum total of all noise generated from all direct and reflected sound sources in a space that can represent an interface to good listening and speech intelligibility. (Hearing impaired persons are especially victimized by background noise).

BAFFLE: A free hanging acoustical sound absorbing unit. Normally suspended vertically in a variety of patterns to introduce absorption into a space to reduce reverberation and noise levels.

BARRIER: Anything physical or an environment that interferes with communication or listening. A poor acoustical environment can be a barrier to good listening and especially so for persons with a hearing impairment.

BEL: A measurement of sound intensity named in honor of Alexander Graham Bell. First used to relate intensity to a level corresponding to hearing sensation.

BOOMINESS: Low frequency reflections. In small rooms acoustical panels with air space behind can better help control low frequency reflectivity.

CLOUD: In acoustical industry terms, an acoustical panel suspended in a horizontal position from ceiling/roof structure. Similar to a baffle but in a horizontal position.

COCKTAIL PARTY EFFECT: Sound in a noisy crowded room generated mostly by conversation. Levels rise and fall as people compete with one another to be heard. Perception of speech can be nearly impossible in high levels of noise.

COCHLEA: A snail shaped mechanism in the inner ear that contain hair cells of basilar membrane that vibrate to aid in frequency recognition.

CYCLE: In acoustics, the cycle is the complete oscillation of pressure above and below the atmospheric static pressure.

CYCLES PER SECOND (CPS): The number of oscillations that occur in the time frame of one second. (See FREQUENCY.) Low frequency sounds have fewer and longer oscillations.

DAMPING: The dissipation of vibratory energy in solid media and structures with time or distance. It is analogous to the absorption of sound in air.

DECIBEL (dB): Sound level in decibels as a logarithmic ratio. Sound intensity described in decibels. i.e.: Breathing 5 dB, office activity 50 dB, Jet Aircraft during takeoff at 300' distance 130 dB. (See submenu TABLES under Acoustics for a table on Sound Source of Environment).

DEFLECTION: The distance an elastic body or spring moves when subjected to a static or dynamic force. Typical units are inches or mm.

DEAF: Loss of auditory sensation with or without use of assistive listening device. Loss of hearing more severe than is generally characterized as "Hearing Impaired".

DIFFUSION: is the scattering or random reflection of a sound wave from a surface. The directions of reflected sound is changed so that listeners may have sensation of sound coming from all directions at equal levels.

EAR: An incredible hearing mechanism consisting of outer, middle and inner ear segments that cause sound pressures to be picked up by the ear that are transmitted through auditory nerves where signals are interpreted by brain as sound.

ECHO: Reflected sound producing a distinct repetition of the original sound. Echo in mountains is distinct by reason of distance of travel after original signal has ceased.

ECHO FLUTTER: Short echoes in a small reverberative spaces that produce a clicking, ringing or hissing sound after the original sound signal has ceased. Flutter echoes may be present in long narrow spaces with parallel walls.

EQUAL LOUDNESS CONTOURS: Curves represented in graph form as a function of sound level and frequency which listeners perceive as being equally loud. High frequency sounds above 2000 Hz are more annoying. Human hearing is less sensitive to low frequency sound. (See also PHON.)

FLANKING: The transmission of sound around the perimeter or through holes within partitions (or barriers) that reduces the otherwise obtainable sound transmission loss of a partition. Examples of flanking paths within buildings are ceiling plena above partitions; ductwork, piping, and electrical conduit penetrations through partitions; back-to-back electrical boxes within partitions, window mullions, etc.

FREE FIELD: Sound waves from a source outdoors where there are no obstructions.

FREQUENCY: The number of oscillations or cycles per unit of time. Acoustical frequency is usually expressed in units of Hertz (Hz) where one Hz is equal to one cycle per second.

FREQUENCY ANALYSIS: An analysis of sound to determine the character of the sound by determining the amount of sounds at various frequencies that make up the overall sound spectrum. i.e.: higher frequency sound or pitch vs. low frequency.

HEARING IMPAIRMENT: A degree of hearing loss, temporary or permanent due to many causes. Hearing loss can be caused by illness, disease, or by exposure to excessively high noise levels. Affects 25-50 million people in USA of all ages. Hearing impairment as generally used means a hearing loss of a mild, moderate, or severe degree as apposed to "Deafness" which is generally described as little or no residual hearing with or without the aid of an assistive listening device. Hearing Impaired persons are particularly victimized by long reverberation times.

HEARING RANGE: 16-20,000 Hz (music); 600-4,800 Hz (normal speech); 250-2,500 Hz (typical small table/clock radio)

HERTZ (Hz): Frequency of sound expressed by cycles per second. Named after the German physicist Heinrich Hertz, who made important scientific contributions to the study of electromagnetism. (See CYCLE).

IMPACT SOUND: The sound produced by the collision of two solid objects. Typical sources are footsteps, dropped objects, etc.., on an interior surface (wall, floor, or ceiling) of a building.

INTENSITY: (See LOUDNESS).

INVERSE SQUARE LAW: Sound levels fall off with distance traveled. Sound level drops off 6 dB from source point for every doubling of distance.

LIVE END/DEAD END: An acoustical treatment plan for rooms in which one end is highly absorbent and the other end is reflective and diffusive.

LOUDNESS: The average deviation above and below the static value due to sound wave is called sound pressure. The energy expended during the sound wave vibration is called intensity and is measured in intensity units. Loudness is the physical resonance to sound pressure and intensity.

MASKING: The process by which the threshold of hearing of one sound is raised due to the presence of another.

MASS: The fundamental property of a material relevant to sound transmission loss through that material. Generally, the more massive the material, the greater the sound transmission loss.

MOUNTING: Standards established by ASTM to represent typical installation for purpose of testing materials. i.e.: a mounting test specimen mounted directly to test room surface. D mounting furred out to produce air space behind.

NOISE: Unwanted sound that is annoying or interferes with listening. Not all noise needs to be excessively loud to represent an annoyance or interference.

NOISE CRITERIA (NC): Noise criteria curves used to evaluate existing listening conditions at ear level by measuring sound levels at loudest locations in a room. NC criteria can be referred to equivalent dBA levels. NC curves are critical to persons with hearing loss.

NOISE ISOLATION CLASS (NIC): A Single number rating of the degree of speech privacy achieved through the use of an Acoustical Ceiling and sound absorbing screens in an open office. NIC has been replaced by the Articulation Class (AC) rating method.

NOISE REDUCTION (NR): The amount of noise that is reduced through the introduction of sound absorbing materials. The level (in decibels) of sound reduced on a logarithmic basis. (See TABLES submenu under Acoustics for Sound Pressure Level Changes).

NOISE REDUCTION COEFFICIENT (NRC): The NRC of an acoustical material is the arithmetic average to the nearest multiple of 0.05 of its absorption coefficients at 4 one-third octave bands with center frequencies of 250, 500, 1000, 2000 Hertz.

OCTAVE BANDS: Sounds that contain energy over a wide range of frequencies are divided into sections called bands. A common standard division is in 10 octave bands identified by their center frequencies 31.5, 63, 125, 250, 500, 1000, 2000, 4000, 8000, 16000 Hz.

OTO: Pertaining to the ear.

OTOLOGIST: A doctor specializing in the structure, disorders and treatment of the ear.

OTOLARYNGOLIST: A doctor specializing in disorders and treatment of the ear nose and throat disorders.

PHON: Loudness contours. A subjective impression of equal loudness by listeners as a function of frequency and sound level (dB). An increase in low frequency sound will be perceived as being much louder than an equivalent high frequency increase.

PITCH: The perceived auditory sensation of sounds expressed in terms of high or low frequency stimulus of the sound.

PRESBYCUSIS: The loss of hearing due primarily to the aging process High frequency loss is frequently a result of early hearing loss.

REFLECTION: The amount of sound wave energy (sound) that is reflected off a surface. Hard non porous surfaces reflect more sound than soft porous surfaces. Some sound reflection can enhance quality of signal of speech and music. (See Echo).

RESONANCE: The emphasis of sound at a particular frequency.

RESONANT FREQUENCY: A frequency at which resonance exists.

REVERBERATION: The time taken for sound to decay 60 dB to 1/1,000,000 of its original sound level after the sound source has stopped. Sound after it has ended will continue to reflect off surfaces until the wave loses enough energy by absorption to eventually die out. Reverberation time is the basic acoustical property of a room which depends only on its dimensions and the absorptive properties of its surfaces and contents. Reverberation has an important impact on speech intelligibility.

REVERBERATION TIME: Sound after it is ended at the source will continue to reflect off surfaces until the sound wave loses energy by absorption to eventually die out.

SABIN: A unit of sound absorption based of one square foot of material. Baffles are frequently described as providing X number of sabins of absorption based on the size of the panel tested, through the standard range of frequencies 125 – 4,000 Hz. The number of sabins developed by other acoustical materials are determined by the amount of material used and its absorption coefficients.

SABINE FORMULA: A formula developed by Wallace Clement Sabine that allows designers to plan reverberation time in a room in advance of construction and occupancy. Defined and improved empirically the Sabine Formula is T=0.049 (V/A) where T = reverberation time or time required (for sound to decay 60 dB after source has stopped) in seconds; V = Volume of room in cubic feet; A = Total square footage of absorption in sabins.

SEPTUM: A thin layer of material between 2 layers of absorptive material. i.e.: foil, lead, steel, etc. that prevents sound wave from piercing through absorptive material.

SIGNAL TO NOISE RATIO: Is the sound level at the listeners ear of a speaker above the background noise level. The inverse square law impacts on the S/N ratio. Signal to Noise Ratios are important in classrooms and should be in range of 15 to 20 dB.

SOUND: Sound is an oscillation in pressure, stress particle displacement, particle velocity in a medium. At room temperature in dry air, the speed of sound is 1,126 feet per second or one mile in 4.7 seconds. Sound produces an auditory sensation caused by the oscillation.

SOUND ABSORPTION: is the property possessed by materials, objects and air to convert sound energy into heat. Sound waves reflected by a surface causes a loss of energy. That energy not reflected is called its absorption coefficient.

SOUND ABSORPTION COEFFICIENT: The fraction of energy striking a material or object that is not reflected. For instance if a material reflects 70% of the sound energy incident upon its surface, then its Sound Absorption Coefficient would be 0.30.

SOUND BARRIER: A material that when placed around a source of noise inhibits the transmission of that noise beyond the barrier. Also, anything physical or an environment that interferes with communication or listening. For example, a poor acoustical environment can be a barrier to good listening and especially so for persons with a hearing impairment. In aviation, the speed of sound at any given altitude and temperature, referred to as Mach 1.

SOUND LEVEL: A subjective measure of sound expressed in decibels as a comparison corresponding to familiar sounds experienced in a variety of situations. (See TABLES submenu under Acoustics for Sound Source of Environment table.)

SOUND PRESSURE: The total instantaneous pressure at a point in space, in the presence of a sound wave, minus the static pressure at that point.

SOUND PRESSURE LEVEL: The sound pressure level, in decibels, of a sound is 20 times the logarithm to the base 10 of the ratio of the sound pressure to the reference pressure. The reference pressure shall be explicitly stated and is defined by standards.

SOUNDPROOFING: Building materials that makes structures impervious to sound or insulates against sound.

SOUND LEVEL METER: A device that converts sound pressure variations in air into corresponding electronic signals. The signals are filtered to exclude signals outside frequencies desired.

SPEECH: The act of speaking. Communication of thoughts and feelings by spoken words.

SPEECH PRIVACY: The degree to which speech is unintelligible between offices. Three ratings are used, Confidential, Normal (non-obtrusive), Minimal.

SOUND TRANSMISSION CLASS (STC): This is a rating for doors, windows, enclosures, noise barriers, partitions and other acoustical products. The rating is in terms of their relative ability to provide privacy against intrusion of speech sounds. This is a one number rating system, heavily weighted in the 500 Hz to 2000 Hz frequency range where speech intelligitibility largely occurs.

SPECTRUM: The description of a sound wave´s components of frequency and amplitude.

SPEED OF SOUND: The speed of sound is the distance traveled during a unit of time by a sound wave propagating through an elastic medium. In dry air at 20 °C (68 °F), the speed of sound is 343.2 meters per second (1,126 feet per second). This is 1,236 kilometers per hour (768 miles per hour), or one kilometer in 2.9 seconds (one mile in 4.7 seconds).

TIME WEIGHTED AVERAGE (TWA): The yardstick used by the Occupational Safety and Health Administration (OSHA) to measure noise levels in the workplace. It is equal to a constant sound level lasting eight hours that would cause the same hearing damage as the variable noises that a worker is actually exposed to. (This hearing loss, of course, occurs over long-term exposures.) Same as LOSHA.

ULTRASOUNDS: Sounds of a frequency higher than 20,000 Hz. The frequency region containing these frequencies is called the ultrasonic region.

VIBRATION: A force which oscillates about some specified reference point. Vibration is commonly expressed in terms of frequency such as cycles per second (cps), Hertz (Hz), cycles per minute (cpm) or (rpm) and strokes per minute (spm). This is the number of oscillations which occurs in that time period. The amplitude is the magnitude or distance of travel of the force.

VIBRATION ISOLATOR: A resilient support that tends to isolate a mechanical system from steady state excitation.

VOLUME: The Cubic space of a room bounded by walls, floors, and ceilings determined by Volume = Length x Width x Height of space. Volume influences reverberation time. (See How to Compute Cubic Volume under ACOUSTICS in menu for formulas of more complex volumes.)

WAVELENGTH: Sound that passes through air it produces a wavelike motion of compression and Parefaction. Wavelength is the distance between two identical positions in the cycle or wave. Similar to ripples or waves produced by dropping two stones in water. Length of sound wave varies with frequency. Low frequency equals longer wavelengths. Wavelength (meters or feet) is obtained by dividing the speed of sound (meters/second or feet/second) by the frequency of the sound (Hz) using consistent units.

Source: Acoustical Surfaces, Inc.

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Appendix AA:

Air Quality and Emissions Report (Revised Appendix)

Appendix AA

Global Climate Change

Horseshoe Grande Fee-to-Trust Project
Draft Environmental Impact Statement

GLOBAL CLIMATE CHANGE

HORSESHOE GRAND CASINO
SOBOBA BAND OF LUISEÑO INDIANS

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May 3, 2012

Project: 1240-03 Saboba GCC Study

TABLE OF CONTENTS

List of Figures

List of Tables

Appendix

LIST OF ACRONYMS

Assembly Bill 32 (AB32)

Business as Usual (BAU)

California Air Pollution Control Officers Association's (CAPCOA)

California Air Resource Board (CARB)

California Climate Action Registry General Reporting Protocol Version 3.1 (CCARGRPV3.1)

California Environmental Quality Act (CEQA)

Carbon Dioxide (CO2)

Cubic Yards (CY)

Environmental Protection Agency (EPA)

Green House Gas (GHG)

International Residential Code (IRC)

Low Carbon Fuel Standard (LCFS)

Methane (CH4)

Nitrous Oxide (N2O)

South Coast Air Basin (SCAB)

South Coast Air Quality Management District (SCAQMD)

Senate Bill 97 (SB97)

Vehicle Miles Traveled (VMT)

EXECUTIVE SUMMARY

This analysis has been completed in order to quantify Green House Gas (GHG) emissions from the project site and was prepared according to guidelines established within the California Global Warming Solutions Act of 2006 – Assembly Bill 32 (AB32) as a worst-case analysis to serve as a National Environmental Policy Act (NEPA) 42 U.S.C. 4321 analysis. Greenhouse Gasses analyzed in this study are Carbon Dioxide (CO_2), Methane (CH_4), and Nitrous Oxide (N_2O). To simplify greenhouse gas calculations, both CH_4 and N_2O are converted to equivalent amounts of CO_2 and are identified as CO_2e. In other words CO_2e is an equivalent volume or mass of CO_2 converted from global warming potentials of other gases that may cause equivalent warming.

The project seeks a land transfer of tribally-owned property to the existing reservation through a federal trust set aside for the Tribal Government. In addition to the land transfer, the Proposed Action also includes the relocation of the Tribe's existing casino, which presently resides on trust lands, to the subject property. Furthermore, the Proposed Action includes the development of a 300-room hotel complex that would be connected to the proposed 365,000 square foot casino as well as a freestanding 135,000 square foot event arena. Additionally the Tribe seeks to develop a Tribal fire station and a 12-pump gas station with a 6,000 square foot convenience store.

Also, as a secondary phase to the abovementioned developments, the tribe is also planning for the construction of a 40,000 square foot convention center but would largely depend on the success of the first phase. Construction is expected to start in early 2103 with construction to be completed in 2014.

The proposed project will emit GHGs directly throughout the burning of carbon-based fuels such as gasoline and natural gas as well as indirectly through the usage of electricity and water and from the anaerobic bacterial breakdown of organic solid waste disposed into landfills. The Proposed project would generate approximately 46,467.46 Metric Tons of CO_2e each year "business as usual" (BAU), which exceeds the California Air Pollution Control Officers Association's (CAPCOA) 900 Metric Ton per year screening thresholds and would require complete analysis with design features to show reductions greater than 28.3% per the goals of AB32 to be considered a less than significant impact.

It should be noted that the 47,533.23 Metric Tons of CO_2e is not direct emissions generated from the facility and would not be subject to Federal standards 40 CFR part 98. Instead the 47,533.23 Metric Tons estimation is based on guidelines used in the State of California which include indirect mobile sources from cars as well as indirect emissions generated from offsite utilities providers etc.

Regulatory measures such as the AB 1493 Pavley rules, California's Low Carbon Fuel Standards, Energy provider renewable portfolios and design features are expected to reduce BAU GHG emissions by 16,402.58 Metric Tons per year or a 34.5% Reduction. The design features are as follows:

1. The project developer will design the facilities to be at least 10% greater efficiency to that of Title 24 (2005) standards. Verification calculations shall be provided to the tribe in a letter format by the project developer/designer identifying steps taken to achieve this additional efficiency over Title 24 (2005). The installation of solar and LEED certification would be an option to achieve this requirement.
2. The project will install Low-Flow Toilets, Urinals, Shower Nozzles, and Faucets having a WaterSense emblem or meeting the EPA standards under the WaterSense specifications.
3. The project developer will either install LED lighting on all existing slot machines or purchase new slot machines equipped with LED lighting.

Given the expected BAU emission reductions exceed 28.3% through implementing the above design features and regulations; the project conforms to the goals of AB 32 and should sufficiently demonstrate that impacts under NEPA would be considered de minimus. Furthermore, the project will only create 3,500.96 metric tons onsite or directly per 40 CFR part 98 (excluding offsite indirect emissions per EPA guidelines) and would therefore not be required to report direct emissions to the EPA.

Additionally, the alternatives to the proposed development would be expected to produce less CO_2e emissions per year since they are smaller in size. Applying the same methodologies and reductions strategies would result in a similar percentage of reduction of CO_2e emissions and are anticipated to conform to the goals of AB 32 and EPA guidelines. Therefore, the alternatives will not result in any direct or cumulative impacts and no reporting is required.

1.0 INTRODUCTION

1.1 Purpose of this Study

The purpose of this assessment is to provide a general conformity analysis for project generated Green House Gases (GHG) from the proposed Soboba Casino expansion project. The proposed project is to be analyzed in accordance with National Environmental Policy Act (NEPA) 42 U.S.C. 4321, however in the absence of clear federal guidelines or federal significance thresholds for GHG emissions, this report will utilize state level GHG regulatory measures and guidance to determine project impacts under NEPA. Therefore, this assessment will also be in conformance to regulations within California Global Warming Solutions Act of 2006 – Assembly Bill 32 (AB32). AB32 requires that by 2020 the state's greenhouse gas emissions be reduced to 1990 levels. Should impacts be determined, the intent of this study would be to recommend suitable design measures to bring the project to a level considered less than significant. Furthermore, this report will also serve as a technical approach to calculated emissions and verifying reporting requirements to the EPA under 40 CFR part 98.

1.2 Project Location

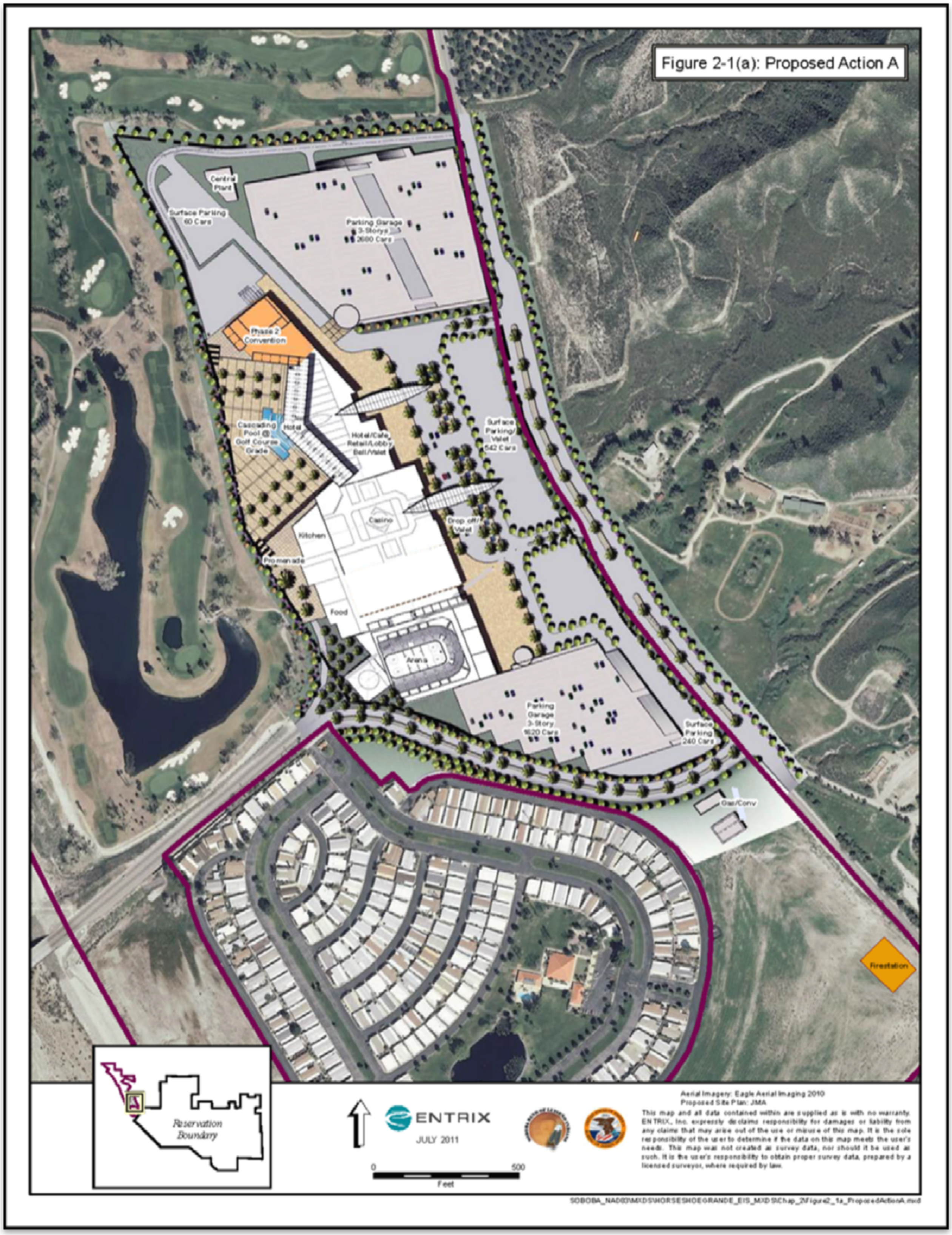
The proposed project site is located near the City of San Jacinto, within southeast Riverside County. The proposed project is located on the west side of Soboba Road and general is divided into two parts by the cross street Lake Park Drive. A general project vicinity map is shown in Figure 1–A on Page 2 of this report.

1.3 Project Description

The project seeks a land transfer of tribally-owned property to the existing reservation through a federal trust set aside for the Tribal Government. In addition to the land transfer, the Proposed Action also includes the relocation of the Tribe's existing casino, which presently resides on trust lands, to the subject property. Furthermore, the Proposed Action includes the development of a 300-room hotel complex that would be connected to the proposed 365,000 square foot casino as well as a freestanding 135,000 square foot event arena. Additionally the Tribe seeks to develop a Tribal fire station and a 12-pump gas station with a 6,000 square foot convenience store. Also, as a secondary phase to the abovementioned developments, the tribe is also planning for the construction of a 40,000 square foot convention center but would largely depend on the success of the first phase. There are also alternatives to this project all of which are less intensive from a building perspective and are therefore not analyzed within this report. The proposed site development plan is shown on Figure 1–B below.

Figure 1-A: Project Vicinity Map

Figure 1-B: Proposed Site Plan



2.0 EXISTING ENVIRONMENTAL SETTING

2.1 Understanding Greenhouse Gasses

Greenhouse gases such as water vapor and carbon dioxide are abundant in the earth's atmosphere. These gases are called "Greenhouse Gases" because they absorb and emit thermal infrared radiation which acts like an insulator to the planet. Without these gases, the earth ambient temperature would either be extremely hot during the day or blistering cold at night. However, because these gases can both absorb and emit heat, the earth's temperature does not sway too far in either direction.

Over the years as human activities require the use of burning fossil fuels stored carbon is released into the air in the form of CO_2 and to a much lesser extent CO. Additionally, over the years scientist have measured this rise in Carbon Dioxide and fear that it may be heating the planet too. Additionally, it is thought that other greenhouse gases such as Methane and Nitrous Oxide are to blame.

Greenhouse Gasses of concern as analyzed in this study are Carbon Dioxide (CO_2), Methane (CH_4), and Nitrous Oxide (N_2O). To simplify greenhouse gas calculations, both CH_4 and N_2O can be converted to an equivalent amount of CO_2 or CO_2e. CO_2e is calculated by multiplying the predicted levels of CH_4 and N_2O by a Global Warming Potential (GWP) or a multiplication factor measure of how much a given mass of greenhouse gas is estimated to contribute to global warming relative to the same mass of carbon dioxide (whose GWP is by convention equal to 1). The exact calculations are complicated however; the U.S. Environmental Protection Agency publishes GWPs for various GHGs and reports that the GWP for CH_4 and N_2O is 21 and 310 respectively.

2.2 Existing Setting

The project is located in the South Coast Air Basin (SCAB) where the climate often varies dramatically over short geographical distances due to the size and topography of the area. Most of southern California is dominated by high-pressure systems for much of the year, which keeps the San Jacinto area mostly sunny and warm. Typically, during the winter months, the high pressure system drops to the south and brings cooler, moister weather from the north.

It is common for inversion layers to develop within high-pressure areas, which mostly define pressure patterns over the SCAB. These inversions are caused when a thin layer of the atmosphere increases in temperature with height. An inversion acts like a lid preventing vertical mixing of air through convective overturning.

2.3 Climate and Meteorology

Meteorological trends within the San Jacinto show daytime highs typically ranging between 68ºF in the winter to approximately 100ºF in the summer with the month of August usually being the hottest month. Median temperatures range from approximately 52ºF in the winter to approximately 80ºF in the summer. The average humidity is approximately 62% in the winter and about 69% in the summer (Source: http://www.city-data.com/city/San-Jacinto-California.html). San Jacinto usually receives approximately 12.61 inches of rain per year with the month of February usually being the wettest month of the year (Source: http://www.weather.com/weather/wxclimatology/ monthly/graph/ USCA0991).

3.0 CLIMATE CHANGE REGULATORY ENVIRONMENT

3.1 Mandatory Reporting of Greenhouse Gases (40 CFR part 98)

On October 30, 2009, the U.S. Environmental Protection Agency (EPA) published a rule for the mandatory reporting of greenhouse gases (GHG) from large GHG emissions sources in the United States. Implementation of 40 CFR Part 98 is referred to as the Greenhouse Gas Reporting Program (GHGRP). This rule applies to direct greenhouse gas emitters, fossil fuel suppliers, industrial gas suppliers, and facilities that inject CO2 underground for sequestration or other reasons.

In general, the threshold for reporting is 25,000 metric tons or more of carbon dioxide (CO2) equivalent per year. Reporting is at the facility level, except for certain suppliers of fossil fuels and industrial greenhouse gases. Additionally, the EPA is not requiring reporting of mobile source emissions or activity data from fleet operators or state and local governments.

Given the Federal GHG standards, the proposed Casino would not likely require emission reporting as the Casino will not directly emit a large amount of GHG when offsite sources such as emissions generated from offsite electrical utility providers or mobile emissions.

3.2 Regulatory Standards (Assembly Bill 32)

As stated earlier in this report, clear federal guidelines for GHG emissions have not been established. For this NEPA analysis, LDN Consulting will use state guidelines and regulatory measures to analyze this project. The Global Warming Solutions Act of 2006 (AB 32), requires that by 2020 the state's greenhouse gas emissions be reduced to 1990 levels or roughly a 28.3% reduction. Some significance thresholds have been adopted and others are currently being discussed, however, AB 32 is specific as to when thresholds shall be defined. The pertinent sections are referenced within Part 4 of AB 32 Titled *Greenhouse Gas Emissions Reductions* are shown below:

Section 38560.5 (b) states:

On or before January 1, 2010, the state board shall adopt regulations to implement the measures identified on the list published pursuant to subdivision (a).

Section 38562 states:

(A) On or before January 1, 2011, the state board shall adopt greenhouse gas emission limits and emission reduction measures by regulation to achieve the maximum technologically feasible and cost-effective reductions in greenhouse gas emissions in furtherance of achieving the statewide greenhouse gas emissions limit, to become operative beginning on January 1, 2012.

(B) In adopting regulations pursuant to this section and Part 5 (commencing with Section (38570), to the extent feasible and in furtherance of achieving the statewide greenhouse gas emissions limit, the state board shall do all of the following:

1. *Design the regulations, including distribution of emissions allowances where appropriate, in a manner that is equitable, seeks to minimize costs and maximize the total benefits to California, and encourages early action to reduce greenhouse gas emissions.*
2. *Ensure that activities undertaken to comply with the regulations do not disproportionately impact low-income communities.*
3. *Ensure that entities that have voluntarily reduced their greenhouse gas emissions prior to the implementation of this section receive appropriate credit for early voluntary reductions.*
4. *Ensure that activities undertaken pursuant to the regulations complement, and do not interfere with, efforts to achieve and maintain federal and state ambient air quality standards and to reduce toxic air contaminant emissions.*
5. *Consider cost-effectiveness of these regulations.*
6. *Consider overall societal benefits, including reductions in other air pollutants, diversification of energy sources, and other benefits to the economy, environment, and public health.*
7. *Minimize the administrative burden of implementing and complying with these regulations.*
8. *Minimize leakage.*
9. *Consider the significance of the contribution of each source or category of sources to statewide emissions of greenhouse gases.*

(C) In furtherance of achieving the statewide greenhouse gas emissions limit, by January 1, 2011, the state board may adopt a regulation that establishes a system of market-based declining annual aggregate emission limits for sources or categories of sources that emit greenhouse gas emissions, applicable from January 1, 2012, to December 31, 2020, inclusive, that the state board determines will achieve the maximum technologically feasible and cost-effective reductions in greenhouse gas emissions, in the aggregate, from those sources or categories of sources.

(D) Any regulation adopted by the state board pursuant to this part or Part 5 (commencing with Section 38570) shall ensure all of the following:

1. *The greenhouse gas emission reductions achieved are real, permanent, quantifiable, verifiable, and enforceable by the state board.*
2. *For regulations pursuant to Part 5 (commencing with Section 38570), the reduction is in addition to any greenhouse gas emission reduction otherwise required by law or regulation, and any other greenhouse gas emission reduction that otherwise would occur.*
3. *If applicable, the greenhouse gas emission reduction occurs over the same time period and is equivalent in amount to any direct emission reduction required pursuant to this division.*

3.3 Regulatory Standards (Assembly Bill 341)

This bill makes a legislative declaration that it is the policy goal of the state that not less than 75% of solid waste generated be source reduced, recycled, or composted by the year 2020, and would require the California department of resources, by January 1, 2014, to provide a report to the Legislature that provides strategies to achieve that policy goal and also includes other specified information and recommendations.

This bill will increase diversion requirements by an additional 25% over Business as Usual as was defined under AB 939 and SB 1322 which were signed into law as the Integrated Waste Management Act of 1989, which as of the year 2000 only required 50 percent diversion.

3.4 Energy Independence and Security Act of 2007

The Energy Independence and Security Act of 2007 (P.L. 110-140, H.R. 6) is an energy policy law adopted by congress which consists mainly of provisions designed to increase energy efficiency and the availability of renewable energy. The law will require automakers to boost fleet wide gas mileage averages from the current 25 mpg to 35 mpg by 2020, which will reduce energy needs by 28.5%. This fleet wide average is known as the Corporate Average Fuel Economy (CAFE) standard.

3.5 AB 1493 (Pavley Standards)

AB 1493 regulations are similar to CAFE Standards however are expected to produce a Greenhouse Gas Benefit greater to that of the CAFE Standard and would be expected to double the amount of GHGs saved under CAFE. The Pavley rules or also referred to as California Standards are designed to regulate GHG emissions while the federal standards are aimed at reducing the nations' fuel consumption.

Under Pavley starting with vehicles produced in 2009, manufactures have the flexibility in meeting California standards through a combination of reducing tailpipe emissions of Carbon Dioxide, Nitrous Oxide, Methane and hydrofluorocarbons from vehicle air conditions systems. Furthermore, the California standards are estimated to increase fuel efficiency to 43 miles per gallon by 2020. The 2020 reductions are based on a more stringent emission limit than the current California Standards, Called the Pavley 2 Rule, as set forth in the California Climate Action Plan and committed to by the ARV in its Early Action Measures under AB32.

CARB staff recommends through example the use of more stringent emission reduction beginning in 2017 as well as applying more stringent standards through 2020. The percent reductions will be further discussed in the methodology section of this report. *(Source: Comparison of Greenhouse Gas Reduction for the United States and Canada under U.S. CAFE Standards and California Air Resources Board Greenhouse Gas Regulations – 2/2008)* otherwise referred to as CARB's Enhanced Technical Assessment on the relationship between CAFE standards and Pavley Standards.

This report utilized a baseline year of 2002 and calculated cumulative baseline equivalent GHG Reductions based on Pavley standards. One conclusion of the study finds that Pavley reductions are as high as 20% from 2002 levels. Also, it should be noted that reductions under Pavley were not assumed from 2002 through 2008. In 2009 Pavley regulations went into effect and become more stringent with time which will require automobile companies to produce vehicles that generate less GHG emissions each year. The 20% reduction is calculated based on the fact that the overall baseline emissions over the 18 years averages out to 496,200 tons per day and cumulative reductions under Pavley reduce up to 100,500 tons per day or a 20% reduction. Table 3.1 on the following page is a general duplicate of Table 11 within the CARB Enhanced Technical Assessment.

Table 3.1: Equivalent Emission Reductions from Adopted Pavley 1 and 2

	PC/LDT1 (1000 tons per day)			LDT2 (1000 tons per day)		
Model Year	**Baseline**	**%GHG Reduction**	**Tons Reduced**	**Baseline**	**%GHG Reduction**	**Tons Reduced**
2008 and Older	80.19	0.0%	0.00	72.4	0.0%	0.00
2009	10.09	0.0%	0.00	7.49	0.9%	0.07
2010	11.17	3.5%	0.39	7.71	5.2%	0.40
2011	12.25	14.4%	1.76	7.98	12.0%	0.96
2012	13.46	25.3%	3.41	8.52	18.5%	1.58
2013	14.79	27.2%	4.02	9.35	19.9%	1.86
2014	15.95	28.8%	4.59	9.91	21.0%	2.08
2015	17.33	31.7%	5.49	10.89	23.0%	2.50
2016	18.25	34.3%	6.26	11.27	25.1%	2.83
2017	20.05	37.5%	7.52	12.43	30.0%	3.73
2018	22.12	40.7%	9.00	13.84	35.7%	4.94
2019	25.25	42.3%	10.68	15.76	39.1%	6.16
2020	29.37	43.9%	12.89	18.36	40.2%	7.38
Total	290.27		66.03	205.91		34.49
Grand Total	Baseline			496.2		
	Total Reduction			100.5		

3.6 Executive Order S-01-07

Executive Order S-01-07 was signed by Governor Arnold Schwarzenegger in January 2007 and is effectively known as the Low Carbon Fuel Standard (LCFS). The executive order seeks to reduce the carbon intensity of California's passenger vehicle fuels by at least 10% by 2020. The LCFS will require fuel providers in California to ensure that the mix of fuel they sell into the California market meet, on average, a declining standard for GHG emissions measured in CO_2e grams per unit of fuel energy sold.

3.7 Title 24 Standards (2008)

The California Energy Code, or Title 24, Part 6 of the California Code of Regulations, also titled The Energy Efficiency Standards for Residential and Nonresidential Buildings, were established in 1978 in response to a legislative mandate to reduce

California's energy consumption. The standards are updated periodically to allow consideration and possible incorporation of new energy efficiency technologies and methods (Source: http://en.wikipedia.org/wiki/California_Energy_Code).

The Energy Commission adopted the 2008 changes to the Building Energy Efficiency Standards for some of the following reasons and are expected to reduce both Natural Gas and Electrical need by up to 4.9% which is generally accepted by the air quality districts in the state.

1. To provide California with an adequate, reasonably-priced, and environmentally-sound supply of energy.
2. To respond to Assembly Bill 32, the Global Warming Solutions Act of 2006, which mandates that California must reduce its greenhouse gas emissions to 1990 levels by 2020?
3. To pursue California energy policy that energy efficiency is the resource of first choice for meeting California's energy needs.
4. To act on the findings of California's Integrated Energy Policy Report (IEPR) that Standards are the most cost effective means to achieve energy efficiency, expects the Building Energy Efficiency Standards to continue to be upgraded over time to reduce electricity and peak demand, and recognizes the role of the Standards in reducing energy related to meeting California's water needs and in reducing greenhouse gas emissions.
5. To meet the West Coast Governors' Global Warming Initiative commitment to include aggressive energy efficiency measures into updates of state building codes.
6. To meet the Executive Order in the Green Building Initiative to improve the energy efficiency of nonresidential buildings through aggressive standards.

3.8 Greenhouse Gas Thresholds of Significance

Per the requirements of AB 32, discrete early action greenhouse gas emission reduction measures are enforceable as of January 1, 2010 (Climate Change Scoping Plan – California Air Resource Board – December 2008). The Board adopted nine discrete early action items, which identified within the Scoping plan however, none of the discretionary measures directly relate to the project at hand but would indirectly reduce GHGs from project operations as a collateral effect. The nine measures are identified in Table 3.2 on the following page.

Table 3.2: Adopted Discretionary Measures

Row #	Scoping Plan Measure	Measure #	Page #
1	Ship Electrification at Ports	T-5	C-66
2	Limit High GWP Use in Consumer Products	H-4	C-179
3	Heavy-Duty Vehicle GHG Emission Reduction	T-7	C-73
4	Motor Vehicle Air Conditioning Systems: Reduction of Refrigerant Emissions from Non-Professional Servicing	H-1	C-175
5	SF6 Limits in Non-Utility and Non-Semiconductor Applications	H-2	C-176
6	Reduction of Perfluorocarbons in Semiconductor Manufacturing	H-3	C-177
7	Tire Pressure Program	T-4	C-63
8	Low Carbon Fuel Standard	T-2	C-64
9	Landfill Methane Control Measure	RW-1	C-160

Additionally, as stated in section 38562-A of AB 32, the state board adopted greenhouse gas emission limits and emission reduction measures on January 1, 2011 and began enforcing them on January 1, 2012. Currently, greenhouse gas emission limits for Casino Project such as the proposed project have not been adopted, however, Section 38562-B-3 encourages projects producing large quantities of GHGs to voluntarily identify greenhouse gas reductions and receive appropriate credit for early voluntary reductions.

The proposed casino project would best be compared against CAPCOA's 900 metric ton screening threshold as it has been the primary screening thresholds that air districts including South Coasts has gravitated towards. A project of this size wouldn't be expected to lower emissions to below the 900 metric ton threshold but would be required to provide a project level accounting of what the project would be expected to produce annually. GHGs reported would be from vehicular operations, area use operations to include indirect GHGs from the offsite energy providers and water utilities as well as amortized construction emissions.

Furthermore, given the regulations of AB 32 have goals of reducing GHGs to 1990 levels, it's expected that the projects show calculated reductions to demonstrate that the proposed building emissions and operations reduce GHGs from the Business as Usual (BAU) benchmark. The BAU benchmark is the projected emissions that would have been generated without the implementation of regulatory emission reduction requirements or updated standards from when AB 32 was adopted in 2006.

Additionally, EMFAC 2007 for 2020 emissions is considered by most districts to be the basis for the BAU scenario. As such projects that exceed the 900 Metric Ton threshold are required to show that construction, operation and vehicular greenhouse gas emissions will be reduced by 28.3 percent.

4.0 METHODOLOGY

4.1 Construction CO_2e Emissions Calculation Methodology

The construction schedule was established within the original air quality report and has not been modified except for the starting years which have been shifted to start 2013. Also, architectural coatings were altered and spread out over a longer period of time as coating operations usually start as soon as one month after building construction commences. Table 4.1 below shows the expected timeframes for the construction process at the proposed project location.

Table 4.1: Expected Construction Equipment

Equipment Identification	Proposed Dates	Quantity	Hours per day
Mass Site Grading	4/1/2013– 4/15/2013		
Tractors/Loaders/Backhoes		3	7
Excavators		1	8
Graders		1	8
Rubber Tired Dozers		1	8
Water Trucks		1	8
Fine Site Grading	4/16/2013 –4/30/2013		
Tractors/Loaders/Backhoes		3	8
Excavators		1	8
Graders		1	8
Rubber Tired Dozers		1	8
Water Trucks		1	8
Trenching	5/2/2013 – 6/30/2013		
Excavator		2	8
Other General Industrial Equipment		1	8
Tractors/Loaders/Backhoes		1	8
Paving	7/1/2013 – 7/31/2013		
Paving Equipment		2	6
Rollers		2	6
Pavers		1	8
Construction	8/1/2013 – 8/31/2014		
Forklifts		3	6
Tractors/Loaders/Backhoes		3	8
Cranes		1	6
Generator Sets		1	8
Welders		1	8
Architectural Coating	9/1/2013 – 9/30/2014		
This equipment list is based upon equipment inventory within URBEMIS2007. The quantity and types are based upon assumptions from projects of similar size and scope in the County Riverside.			

GHG emissions related to construction are calculated using the latest URBEMIS2007 air quality model, which was developed by CARB. URBEMIS incorporates emission factors from the EMFAC2007 model for on-road vehicle emissions and the OFFROAD2007 model for off-road vehicle emissions. Because CO_2 emissions from construction only occur at the beginning of a project, emissions will be averaged over a 30-year period. This recommendation was based on proposals from South Coast Air Quality Management District in 2008.

4.2 Operational Vehicular Emissions Calculation Methodology

Operational Emissions from daily trips and area sources were quantified utilizing emission levels reported in grams/mile from the EMFAC2007 emission model for the year 2020. A default setting for vehicle fleet mix was utilized as the proposed project would mostly generate VMTs from daily commuting from workers and gamers using the facility. The Fleet mix incorporates buses, trucks and autos similar to what would be expected from a project of this sort. The fleet mix for 2020 also was assumed to incorporate vehicles from 1976 to 2020 as was default in EMFAC.

All emission levels will be multiplied by the daily mileage and then converted to metric tons for typical reporting consistency. The proposed project is near the Equation 1 below was utilized to determine GHG levels in Metric tons:

Equation 1

$$GHG(Metric\ Tons) = Emission\ Factor\left(\frac{g}{mile}\right) \times Annual\ Mileage \times .000001(\frac{Metric\ ton}{g})$$

Emission reductions for this source are best reduced through lowering either the emission factors or reducing the annual mileage or VMTs.

4.3 Electricity Usage Calculation Methodology

Utilizing methodologies within the California Climate Action Registry General Reporting Protocol Version 3.1- January 2009 (CCARGRPV3.1) CO_2, CH_4, and N_2O from electricity use can be calculated utilizing equations III.6b which is shown below:

Equation III.6b (GHG= CO_2, or CH_4, or N_2O)

$$GHG(Metric\ Tons) = \frac{Electricity\ Use\ (kWh) \times Electricity\ Emission\ Factor\ \left(\frac{lbs\ GHG}{kWh}\right)}{2{,}204\ \frac{lbs}{metric\ ton}}$$

The electricity emission factors are published within Table C.2 within the CCARGRPV3.1 document and are broken out into sub region. The proposed project is located within California and for CO_2, CH_4, and N_2O the Electricity Emission Factors in pounds of GHG per kilowatt-hour are 0.72412, 0.0000302 and 0.0000081, respectively.

CO_2e generated from offsite sources in the production of electricity is much more difficult to mitigate however, the state and the utility companies are taking steps to become more energy efficient and utilizing renewable non-carbon based energy sources. Southern California Edison (SCE), the proposed utility provider, currently have 21% renewable portfolio which is expected to expand to 24% in the short future given existing contracts in place to build SCE more renewable sources. It is reasonable to assume that these measures will be in place by 2020.

Additionally, California's Energy Efficiency Standards for Residential and Nonresidential Buildings otherwise known as Title 24 standards will also be utilized in the construction of the new facility. For purposes of this project, buildings will need to provide efficiencies greater to that of Title 24 (2005) by at least 10 percent. Verification procedures would need to be performed by a Title 24 consultant via a report identifying methodologies above and beyond that of Title 24 (2005).

Finally, the EPA ha recommended LED Retrofits for Slot Machines or the purchase of new slot machines with LED lit technologies. LED lighting significantly reduces the energy requirement per slot machine and it also reduces the heat generated from the slot machines which will reduce demand on cooling systems. It's estimated that 50% of the total demand for the Casino will be from the Slot Machines and lighting requirements.

4.4 Natural Gas Usage Calculation Methodology

CO_2e generated from stationary combustion such as water heaters, cooking stoves, fire places and clothing dryers can be calculated for CO_2, CH_4, and N_2O utilizing equations III.8b within the CCARGRPV3.1 document as shown below:

Equation III.8b (GHG= CO_2, or CH_4, or N_2O)

$$GHG(Metric\ Tons) = \frac{Natrual\ Gas\ Emission\ Factor\ \left(\frac{kg\ GHG}{MMBtu}\right) \times Fuel\ Consumed\ (MMBTu)}{1{,}000\frac{kg}{metric\ ton}}$$

The natural gas emission factors are published within Table C.7 and C.8 within the CCARGRPV3.1 natural gas emission factors for CO_2, CH_4, and N_2O in kg GHG per million British Thermal Units are 53.06, 0.005 and 0.0001, respectively. These natural gas emission factors are inserted into equation III.8B and were published by CCARGRPV3.1.

4.5 Solid Waste Emissions Calculation Methodology

Solid waste generated from the proposed project will ultimately be discarded as trash and then deposited into a landfill. The decomposition of organic matter such as food, paper, yard trimmings and wood are anaerobicly digested by bacteria which primarily produces GHG's as a bi-product. However, organic decomposition occurs at different rates and is a function of the material content. The Environmental Protection Agency (EPA) published various emission rates with units of Metric Tons of Carbon Dioxide Equivalent per Ton (Source: Solid Waste management and Greenhouse Gases; A Life-Cycle Assessment of Emissions and Sinks). Table 4.2 on the following page shows the average waste breakdown and emission rates from solid waste.

The applicant estimates that the casino will generate on average up to 2.6 tons of solid waste each day but will incorporate a recycling program either through onsite separation or through waste recycling services provided by the selected waste management contractor hired by the casino.

Table 4.2: Average Waste Breakdown and Emission Rates

Waste Type	Residential Waste Breakdown	Commercial Waste Breakdown	Landfill Emission Factors (MTCO2e per Ton
Special Waste	1.5%	9.3%	0.42
Mixed Residue	2.5%	0.1%	0.04
Paper	19.6%	5.5%	0.35
Glass	2.4%	0.5%	0.04
Metal	4.0%	5.6%	0.04
Electronics	0.7%	0.4%	0.04
Plastic	9.2%	5.8%	0.04
Other Organics	48.6%	13.6%	0.24
Inert and Other	11.2%	58.8%	0.04
Household Hazardous Waste (HHW)	0.3%	0.4%	0.40

4.6 Water Use Emission Calculation Methodology

Water used from the proposed project will both indirectly utilize energy for preparation and conveyance of clean water to the project site as well as require energy for existing wells to pump the additional water necessary for the proposed development. It is estimated that indirect electricity for water conveyance requires 12,700 kWh/Million Gallons (MG) (Source: http://www.green buildingadvisor.com/book/export/html/18037). GHG emissions are calculated using Equation III.6b as shown in Section 4.3 above.

Water demand for the proposed action is estimated to be as much as 648 acre feet per year (AFY). Approximately 612 AFY will be pumped from the existing wells and will not require additional upgrades of the system. The remaining 36 AFY will be supplied by the local water district. Only the 36 AFY of water is expected to create additional GHGs from water conveyance and are assumed in the electricity demand for the overall site and discussed in the electricity section of this report.

Energy reduction methodologies related to water use is best reduced by lowering water consumption. Water consumption can be significantly reduced by utilizing low flow technologies like those established by WaterSense which is an EPA Partnership program. In fact installing Water Sense Toilets and High Efficiency Toilets (HET) reduce water flow by as much as 30% of water usage for liquid flushes and up to

20% for solid flushes, Faucets reduce 30% for 15 percent of water use, 67% reduced water flow for urinals at 0.5 gallons each flush. A generally accepted reduction percentage for incorporating these technologies into a project is at least 28% (Source: Otay Business Park Greenhouse Gas Emissions Evaluation - Urban Crossroads - April 28, 2010). The proposed development will install such fixtures having approval through WaterSense. Also, as described in Section 4.3 of this report, Southern California Edison (SCE), the energy supplier for the water districts, will increase the source of renewable energy sources by as high as an additional 24% which would decrease GHGs produced through the conveyance of water and will be considered within the water use calculations.

4.7 Wastewater Generation Emission Calculation Methodology

An additional component of GHGs from the wastewater comes from the natural biochemical breakdown of waste within the water. As water is treated initially, suspended solids are allowed to settle to the bottom while cleaner water on top is siphoned off leaving wastewater sludge. The sludge is then collected where it can be further broken down within anaerobic digesters that are sealed off from ambient air sources. The waste then is further broken down by bacteria creating CH_4 and to a lesser extent Oxides of Nitrogen. The aforementioned CAPCOA report on greenhouse gas mitigation estimates that the CH_4 created within a plant similar to the proposed plant would produce 2.02×10^{-6} times the volume of wastewater in liters of CO_2E in Metric Tons. Also, it is assumed that all the water used by residential components is treated.

NO_x (CO_2E) emissions from wastewater treatment are generally much less than that of CH_4 (CO_2E) and through observation based on future inventories, it is estimated to be roughly 22% of CH_4 (CO_2E) (Source: Draft Methane and Nitrous from Non-Agricultural Sources April 2005). Mitigation of CH_4 was found to be highly mitagable as shown in the aforementioned CAPCOA report. It was found that methane could either be flared off and burned or stored and then burned within a power generator to create electrical energy through the power plant. Furthermore, the emission output after the burn would yield biogenic CO_2 which is not considered within GHG studies. It is estimated that simply burning off the gas would mitigate wastewater emissions up to 95% and capturing the methane for utilization in making power would mitigate emissions up to 97%. NO_x emissions could be mitigated through NO_x adsorbers if necessary.

5.0 FINDINGS

5.1 Project Related Construction Emissions

Utilizing the URBEMIS 2007 inputs for the modeling as shown above in Table 4.1, we find that grading and construction of the project will produce approximately 1,221.95 tons of CO_2. The URBEMIS model outputs are provided as *Attachment A*. Given the fact that the total emissions will ultimately contribute to the 2020 cumulative emission levels, it is acceptable to average the total construction emissions over a 30 year period (SCAQMD 2008). A summary of the construction emissions are shown in Table 5.1 below.

Table 5.1: Expected Construction Emissions Summary

Year	CO_2
2013 (tons)	545.1
2014 (tons)	676.85
Cumulative	1,221.95
Yearly Average (2020)*	**40.73 tons/year over 30 years**
Yearly Average Metric Tons (2020)*	**36.96 Metric tons/year over 30 years**

Expected Construction emissions are based upon URBEMIS modeling assumptions identified in Chapter 4 of this report.
* Total Construction related CO_2 averaged over a 30-year span.
Data is presented in decimal format and may have rounding errors.

5.2 Project Related Operation Vehicular Emissions

Operational emissions were calculated based on the proposed trip generation from the project traffic study (Source: Horseshoe Grande Property Traffic Impact Analysis (Revised) supplement - September 2011). The estimated one-way average trip length was assumed to be 15 miles to be consistent with the air quality report.

According to the project traffic study, the project would create approximately 7,922 daily trips. With an average trip distance of 15 miles, the project would be expected to add 118,830 Vehicle Miles Traveled (VMT) per day or 43,372,950 miles per year. In order to obtain a realistic approximation of the BAU baseline emissions, the EMFAC 2007 model was run for 2020 which could be assumed to be BAU and is shown *Attachment B* at the end of this report. Utilizing both emission levels from the EMFAC2007 model and Equation 1 from Section 4.2 of this report the BAU GHG emission levels was calculated and found to be 24,243.31 $MTCO_2E$.

5.3 Project Related Operation Vehicular Emission reduction strategies

Due to the fact that the state of California will require vehicle manufactures to cut emissions of vehicles under Pavley rules, vehicular emissions are expected to be reduced drastically through 2020. Based off reductions from Pavley utilizing CARB recommended reduction measures, the proposed project would expect to see project related emissions reduced by up to 20% with Pavley standards alone. Furthermore, Low Carbon Fuel Standards under Executive Order S-01-07 would be expected to reduce vehicle emissions by an additional 10%. Therefore, it is expected that between the two regulatory reduction measures, the project GHG would be reduced by 7,272.99 $MTCO_2E$.

5.4 Project Related Electricity Use

The project applicant has indicated that this project will demand 250,461,000 kBtu of energy annually. This number would make up both energy generated by SCE as well as natural gas delivered by the Sothern California Gas Company (SCGC).

For purposes of this analysis, it is estimated that 80% of the energy utilized from the project will be from electricity generated by SCE and the remaining 20% will be in the form of natural gas from SCGC. In other words, 200,368,800 kBTu will be from electricity and 50,092,200 kBTu will be in the form of natural gas. Furthermore, the project applicant estimates that 76.7% of that total electrical demand will be from the Casino itself under a BAU approach. Table 5.2 on the following page shows the energy breakdown for the project. The equivalent CO_2 emissions are calculated in Tables 5.3a through -c on the following pages.

Table 5.2: Expected Construction Emissions Summary

Energy Description	Energy (in kBtu or kWh)
Total Energy Demand (Proposed Project)	250,461,000 (kBtu)
20% Total Energy from Natural Gas	50,092,200 (kBtu)
80% of Total Energy from Electricity	200,368,800 (kBtu)
Total Electricity Converted to kWh (kBtu x 0.293875=kWh)	200,368,800 X .292875 = 58,683,012.3 kWh
Electricity from the Casino Alone (76.65% of Total Electricity)	58,683,012.3*.7665=44,985,600 kWh
Electricity for all other uses	58,683,012.3 - 44,985,600 =13,697,412.3 kWh
Data is presented in decimal format and may have rounding errors. Data is supplied within the Public Services section of the FEIS.	

Table 5.3a: Total GHG Emissions Factors (Electricity Usage - Casino Only)

GHG	Emission Factor eGRID Sub region WECC California (lbs/KWh)	Energy Usage (KWh)	Conversion (lbs/metric ton)	Total (Metric Tons)	GWP	CO_2e (Metric Tons)
CO_2	0.724	44,985,600	2,204.62	14,775.77663	1	14,775.77663
CH_4	0.000030	44,985,600	2,204.62	0.61624	21	12.94095
N_2O	0.0000081	44,985,600	2,204.62	0.16528	310	51.23733
Total						14,839.955
Note: Data is presented in decimal format and may have rounding errors.						

Table 5.3b: Total GHG Emissions Factors (Electricity Usage - All other Uses)

GHG	Emission Factor eGRID Sub region WECC California (lbs/KWh)	Energy Usage (KWh)	Conversion (lbs/metric ton)	Total (Metric Tons)	GWP	CO_2e (Metric Tons)
CO_2	0.724	13,697,412	2,204.62	4,498.99311	1	4,498.99311
CH_4	0.000030	13,697,412	2,204.62	0.18763	21	3.94032
N_2O	0.0000081	13,697,412	2,204.62	0.05033	310	15.60097
Total						4,518.534
Note: Data is presented in decimal format and may have rounding errors.						

Table 5.3c: Total GHG Emissions Factors (Electricity Usage)

GHG	Emission Factor eGRID Sub region WECC California (lbs/KWh)	Energy Usage (KWh)	Conversion (lbs/metric ton)	Total (Metric Tons)	GWP	CO_2e (Metric Tons)
CO_2	0.724	58,683,012.3	2,204.62	19,274.76974	1	19,274.76974
CH_4	0.000030	58,683,012.3	2,204.62	0.80387	21	16.88126
N_2O	0.0000081	58,683,012.3	2,204.62	0.21561	310	66.83830
Total						19,358.49
Note: Data is presented in decimal format and may have rounding errors.						

5.5 Project Related Electricity Use Reduction Strategies

The renewable energy portfolio of Southern California Edison (SCE), the proposed projects energy provider, is expected to be at or greater than 24% of the energy supplied to SCE customers by 2020. Therefore, indirect GHGs generated by the electricity provided would be expected to be reduced by 4,637.49 MTCO2E by 2020 (Source: http://www.sce.com/PowerandEnvironment/Renewables/default.htm). Furthermore, through the implementation design features of a 10% increase over Title 24 (2005) will be achieved on this project. The developers will be required to provide the tribe Title 24 calculations verifying this design feature. Based upon this design feature, it would be expected that the proposed project could reduce CO2e for electricity levels by as much as 1,932 metric tons.

Finally, due to the fact that casinos utilize so many lights, energy reduction technologies such as Light Emitting Diodes (LEDs) can significantly reduce energy demand over the BAU approach. The EPA estimates that LEDs can reduce Slot Machine plug loads by between 40% and 60% over standard fluorescent machines. For purposes of this analysis only a 40% reduction credit will be assumed. Based upon discussions with the project applicant about 50% of the Casino energy will be from powering up the slot machines which would therefore account for ½ of the emissions generated from the casino or 7,419.98 metric tons.

Utilizing LED technologies will reduce these emissions by 40% or 2,968 metric tons from the project are much higher due to the fact that casinos utilize a lot of lights. Given this, the tribe will be utilizing LED lit slot machines as a Best Management Practice (BMP) by the EPA.

5.6 Project Related Natural Gas Usage

Based on the discussion in Section 5.4 of this report, the project is expected to require 50,092,200 kBtu or 50,092.2 MMBtu. The equivalent CO2 emissions are expected to be 2,664.7 Metric Tons per year as calculated in Table 5.4 below.

Table 5.4: Total GHG Emissions Factors (Natural Gas Usage)

GHG	Emission Factor (kg/MMBtu)	Natural Gas Usage (MMBtu)	Conversion (metric ton/kg)	Total (Metric Tons)	GWP	CO_2e (Metric Tons)
CO_2	53.060	50,092.20	0.001	2,657.89213	1	2,657.892
CH_4	0.0050	50,092.20	0.001	0.25046	21	5.260
N_2O	0.00010	50,092.20	0.001	0.00501	310	1.553
Total						2,664.705
Note: Data is presented in decimal format and may have rounding errors.						

5.7 Project Related Natural Gas Use Reduction Strategies

Natural gas reductions can also be achieved through the implementation of design features that push efficiency above and beyond Title 24 (2005) by at least 10%. Again, the Title 24 energy calculations from the developer will need to provide to the tribe prior to construction. Based upon the following voluntary design features, it would be expected that the proposed project could reduce CO2e for natural gas usage by as much as 266.47 metric tons.

5.8 Project Related Solid Waste Emissions Gas Usage

Based upon methods discussed in Section 4.5 of this report, multiplying 2.6 tons per day by 365 yields 949 tons of trash each year which would typically consist of paper, plastics and other types of waste (see actual percentages of waste breakdown in Table 4.2 above). Utilizing the EPA's waste breakdown emission factors per trash type and multiplying those factors with the projected waste generation yields estimates for equivalent CO_2 of 114.86 metric tons for the proposed project, see Table 5.5 below.

Table 5.5: Total GHG Emissions Factors (Solid Waste)

Waste Type	Commercial Waste Breakdown	Landfill Emission Factors (MTCO2e per Ton)	Commercial Waste (Tons)	Commercial MTCO2e after breakdown each year
Special Waste	9.3%	0.42	88.26	37.07
Mixed Residue	0.1%	0.04	0.95	0.04
Paper	5.5%	0.35	52.20	18.27
Glass	0.5%	0.04	4.75	0.19
Metal	5.6%	0.04	53.14	2.13
Electronics	0.4%	0.04	3.80	0.15
Plastic	5.8%	0.04	55.04	2.20
Other Organics	13.6%	0.24	129.06	30.98
Inert and Other	58.8%	0.04	558.01	22.32
HHW	0.4%	0.40	3.80	1.52
Total CO_2E tons			949 Tons	114.86 Metric Tons
Note: Data is presented in decimal format and may have rounding errors.				

5.9 Project Related Water Usage

Based on the discussion within Section 4.6, water demand would be expected to be 11,730,651 gallons per year. Therefore, the proposed project would most likely require 148,979.273 kWh per year or 11.730651 million gallons X 12,700 kWh/MG. Given this, it is expected that the GHGs produced offsite for the electrical demand by the water utility would be or 49.146 metric tons of CO_2e per year as shown in Table 5.6.

Table 5.6: Total GHG Emissions Factors (Electricity from Water Usage)

GHG	Emission Factor eGRID Sub region WECC California (lbs/KWh)	Energy Usage (KWh)	Conversion (lbs/metric ton)	Total (Metric Tons)	GWP	CO_2e (Metric Tons)
CO_2	0.72412	148,979.273	2,204.62	48.933	1	48.933
CH_4	0.000030	148,979.273	2,204.62	0.002	21	0.043
N_2O	0.0000081	148,979.273	2,204.62	0.001	310	0.170
Total						49.146
Note: Data is presented in decimal format and may have rounding errors.						

5.10 Project Related Water Usage Energy Reductions

Also, as previously discussed, the servicing utility expects to reduce GHGs through implementing a renewable energy source generation expansion over the years leading up to and through the year 2020. It is expected that by 2020 the utility service will deliver 24% to its customers from renewable sources which would also reduce energy GHGs related to pumping water by up to 24%. It could be expected that these reductions would pass down to the project reducing GHGs by up to 11.79 $MTCO_2E$.

Furthermore, in an effort to further reduce emissions, the project will utilize low flow water devices with specifications meeting or exceeding standards set forth by the EPA under the WaterSense label. Urinals and toilets shall not use more than 0.5 gallons per flush and toilets shall be pressure assisted and not use more than 1.1 gallons per flush. Also this requirement extends to all faucets and showers installed within the project. These design features would reduce GHG emissions related to water use by 13.76 Metric Tons.

5.11 Wastewater Generation Emission Calculation Methodology

Based on methods identified within Section 4.7, the Casino project would most likely generate 114,245,000 gallons or 432,464,369.26 Liters for the local treatment plant each year. Utilizing CAPCOA's baseline CO_2e approximation, it is estimated that the project would produce 873.57 MT CO_2e from CH_4. Furthermore, if you utilize the 22% ratio of NO_x to CH_4, NO_x generation could be as high as 192.19 MT. Therefore, the wastewater treatment plant would produce 1,065.77 MT CO_2e.

5.12 Project Cumulative Totals

Cumulatively, the project will emit approximately CO_2e 46,467.46 Metric Tons of CO_2e each year. Per guidelines of CAPCOA's 900 Metric Ton per year threshold, the proposed project would require design features to comply. A summary of the totals is shown in Table 5.7 below.

Table 5.7: Expected CO_2e Emissions Summary

CO_2e Generator	CO_2e (Metric Tons)
Construction	36.96
Vehicular Emissions (Average per Year)	24,243.31
Electricity Usage	19,358.49
Natural Gas Usage	2,664.70
Solid Waste Emissions	114.86
Water Usage Emissions	49.15
Wastewater	1,065.77
Project Totals (Business as Usual)	**47,533.23**

Expected Construction emissions are based upon URBEMIS modeling assumptions identified in Chapter 4 of this report.
* Total Construction related CO_2 averaged over a 30-year span.
Data is presented in decimal format and may have rounding errors.

5.13 Conclusions

Combining all regulatory measures such Pavley, Low Carbon Fuel Standards, Utility reduction goals required by the State and design features, GHGs will be reduced by 16,402.58 Metric Tons or 34.51% as shown in Table 5.8 on the following page.

Based upon the findings for the proposed development, both regulatory reductions and design features would adequately reduce daily operational CO_2e emissions per year by more than the acceptable threshold of 28.3%. Therefore, because the project conforms to the goals of AB 32 and would not result in any direct impacts and cumulative impacts would be reduced to a level that is less than significant, the project would also be considered de minimus under NEPA. Furthermore, the project will only create 3,500.96 metric tons of CO_2e emissions per year onsite or directly per 40 CFR part 98 and would therefore not be required to report direct emissions to the EPA.

Additionally, the alternatives to the proposed development would be expected to produce less CO_2e emissions per year since they are smaller in size. Applying the same methodologies and reductions strategies would result in a similar percentage of reduction of CO_2e emissions and are anticipated to conform to the goals of AB 32 and EPA guidelines. Therefore, the alternatives will not result in any direct or cumulative impacts and no reporting is required.

Table 5.8: Year 2020 Total GHG Emissions

CO_2e Generator or Reduction Measure	CO_2e Reduction (Metric Tons)	Total Metric Tons per Year
Direct - Construction Related CO_2 - BAU		36.96*
Indirect - Vehicular CO_2e Emissions - BAU		24,243.31
Indirect - Pavley Reduction (20%)	-4,848.66	
Indirect - Low Carbon Fuel Standard (10%)	-2,424.33	
Indirect - Offsite Energy Generation		19,358.49
Indirect Utility Indirect Renewable Reductions (24%)	-3,933.72	
Indirect - Electrical Efficiency Standards (10% over Title 24 2005 Standards)	-1,935.85	
Indirect - Utilize LED lights for Slot Machines	-2,967.99	
Direct - Natural Gas Usage - BAU		2,664.70*
Direct - Natural Gas Efficiency Standards (10% over Title 24 2005 Standards)	-266.47*	
Indirect - Solid Waste Generation (Landfill)- BAU		114.86
Indirect - Water Usage – BAU From Electrical Pumping Conveyance		49.15
Indirect - State Required Utility Renewable Reductions (29%) Electricity used in pumping water	-11.79	
Indirect - Utilize Water Sense Low Flow Faucets, Shower Nozzles, Urinals and Toilets	-13.76	
Wastewater Treatment (Direct if onsite)		1,065.77*
Summation	-16,402.58	47,533.23
Combined Total	**31,130.65**	
Combined CO_2e Reduction (%)	**34.51%**	
EPA Direct Emissions 40 CFR part 98	**3,500.96**	
EPA – Is Reporting Required under 40 CFR part 98	**NO**	

Note: Data is presented in decimal format and may have rounding errors.
* Direct Emitter onsite (40 CFR part 98)

Additionally, the proposed development plans to incorporate economically feasible green energy design elements, such as solar panels on the parking garage roofs, as well as seeking LEED certification for the structures. This would help the building efficiencies and further reduce the GHG emissions.

ATTACHMENT A

URBEMIS 2007

4/23/2012 10:00:13 PM

Urbemis 2007 Version 9.2.4

Combined Annual Emissions Reports (Tons/Year)

File Name: C:\Jeremy 1-1-12\Soboba\Saboba Proposed Alternative Construction.urb924

Project Name: Saboba Casino

Project Location: Riverside County

On-Road Vehicle Emissions Based on: Version : Emfac2007 V2.3 Nov 1 2006

Off-Road Vehicle Emissions Based on: OFFROAD2007

Summary Report:

CONSTRUCTION EMISSION ESTIMATES

	ROG	NOx	CO	SO2	PM10 Dust	PM10 Exhaust	PM10	PM2.5 Dust	PM2.5 Exhaust	PM2.5	CO2
2013 TOTALS (tons/year unmitigated)	2.22	2.31	3.17	0.00	3.32	0.14	3.46	0.69	0.13	0.83	545.10
2013 TOTALS (tons/year mitigated)	0.90	2.31	3.17	0.00	0.38	0.14	0.52	0.08	0.13	0.21	545.10
Percent Reduction	59.39	0.00	0.00	0.00	88.63	0.00	84.93	88.36	0.00	74.21	0.00
2014 TOTALS (tons/year unmitigated)	4.45	1.94	3.81	0.01	0.02	0.12	0.14	0.01	0.11	0.12	676.85
2014 TOTALS (tons/year mitigated)	2.89	1.94	3.81	0.01	0.02	0.12	0.14	0.01	0.11	0.12	676.85
Percent Reduction	35.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Construction Unmitigated Detail Report:

CONSTRUCTION EMISSION ESTIMATES Annual Tons Per Year, Unmitigated

	ROG	NOx	CO	SO2	PM10 Dust	PM10 Exhaust	PM10	PM2.5 Dust	PM2.5 Exhaust	PM2.5	CO2

4/23/2012 10:00:13 PM

2013	2.22	2.31	3.17	0.00	3.32	0.14	3.46	0.69	0.13	0.83	545.10
Mass Grading 04/01/2013-04/15/2013	0.02	0.19	0.12	0.00	1.65	0.01	1.66	0.34	0.01	0.35	22.32
Mass Grading Dust	0.00	0.00	0.00	0.00	1.65	0.00	1.65	0.34	0.00	0.34	0.00
Mass Grading Off Road Diesel	0.02	0.19	0.11	0.00	0.00	0.01	0.01	0.00	0.01	0.01	21.13
Mass Grading On Road Diesel	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mass Grading Worker Trips	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.20
Fine Grading 04/16/2013-04/30/2013	0.03	0.20	0.13	0.00	1.65	0.01	1.66	0.35	0.01	0.36	23.00
Fine Grading Dust	0.00	0.00	0.00	0.00	1.65	0.00	1.65	0.35	0.00	0.35	0.00
Fine Grading Off Road Diesel	0.03	0.20	0.12	0.00	0.00	0.01	0.01	0.00	0.01	0.01	21.80
Fine Grading On Road Diesel	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Fine Grading Worker Trips	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.20
Trenching 05/01/2013-06/30/2013	0.05	0.37	0.24	0.00	0.00	0.02	0.02	0.00	0.02	0.02	46.58
Trenching Off Road Diesel	0.05	0.37	0.22	0.00	0.00	0.02	0.02	0.00	0.02	0.02	43.91
Trenching Worker Trips	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.67
Asphalt 07/01/2013-07/31/2013	0.05	0.23	0.14	0.00	0.00	0.02	0.02	0.00	0.02	0.02	27.85
Paving Off-Gas	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving Off Road Diesel	0.03	0.17	0.10	0.00	0.00	0.01	0.01	0.00	0.01	0.01	14.63
Paving On Road Diesel	0.00	0.06	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11.43
Paving Worker Trips	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.79
Building 08/01/2013-08/31/2014	0.24	1.33	2.53	0.00	0.01	0.09	0.10	0.00	0.08	0.08	422.70
Building Off Road Diesel	0.17	1.02	0.73	0.00	0.00	0.07	0.07	0.00	0.06	0.06	119.44
Building Vendor Trips	0.02	0.22	0.20	0.00	0.00	0.01	0.01	0.00	0.01	0.01	62.10
Building Worker Trips	0.05	0.09	1.60	0.00	0.01	0.01	0.02	0.00	0.01	0.01	241.16

4/23/2012 10:00:13 PM

Coating 09/01/2013-09/30/2014	1.83	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.66
Architectural Coating	1.83	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Coating Worker Trips	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.66
2014	4.45	1.94	3.81	0.01	0.02	0.12	0.14	0.01	0.11	0.12	676.85
Building 08/01/2013-08/31/2014	0.35	1.93	3.78	0.00	0.02	0.12	0.14	0.01	0.11	0.12	670.89
Building Off Road Diesel	0.25	1.50	1.13	0.00	0.00	0.10	0.10	0.00	0.09	0.09	189.57
Building Vendor Trips	0.03	0.31	0.30	0.00	0.00	0.01	0.02	0.00	0.01	0.01	98.57
Building Worker Trips	0.07	0.13	2.35	0.00	0.02	0.01	0.03	0.01	0.01	0.02	382.76
Coating 09/01/2013-09/30/2014	4.10	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5.96
Architectural Coating	4.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Coating Worker Trips	0.00	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5.96

Phase Assumptions

Phase: Fine Grading 4/16/2013 - 4/30/2013 - Default Fine Site Grading/Excavation Description

Total Acres Disturbed: 60.08

Maximum Daily Acreage Disturbed: 15.02

Fugitive Dust Level of Detail: Default

20 lbs per acre-day

On Road Truck Travel (VMT): 0

Off-Road Equipment:

1 Excavators (168 hp) operating at a 0.57 load factor for 8 hours per day

1 Graders (174 hp) operating at a 0.61 load factor for 8 hours per day

1 Rubber Tired Dozers (357 hp) operating at a 0.59 load factor for 8 hours per day

3 Tractors/Loaders/Backhoes (108 hp) operating at a 0.55 load factor for 8 hours per day

1 Water Trucks (189 hp) operating at a 0.5 load factor for 8 hours per day

Phase: Mass Grading 4/1/2013 - 4/15/2013 - Default Mass Site Grading/Excavation Description

4/23/2012 10:00:13 PM

Total Acres Disturbed: 60

Maximum Daily Acreage Disturbed: 15

Fugitive Dust Level of Detail: Default

20 lbs per acre-day

On Road Truck Travel (VMT): 0

Off-Road Equipment:

1 Excavators (168 hp) operating at a 0.57 load factor for 8 hours per day

1 Graders (174 hp) operating at a 0.61 load factor for 8 hours per day

1 Rubber Tired Dozers (357 hp) operating at a 0.59 load factor for 8 hours per day

3 Tractors/Loaders/Backhoes (108 hp) operating at a 0.55 load factor for 7 hours per day

1 Water Trucks (189 hp) operating at a 0.5 load factor for 8 hours per day

Phase: Trenching 5/1/2013 - 6/30/2013 - Default Trenching Description

Off-Road Equipment:

2 Excavators (168 hp) operating at a 0.57 load factor for 8 hours per day

1 Other General Industrial Equipment (238 hp) operating at a 0.51 load factor for 8 hours per day

1 Tractors/Loaders/Backhoes (108 hp) operating at a 0.55 load factor for 8 hours per day

Phase: Paving 7/1/2013 - 7/31/2013 - Default Paving Description

Acres to be Paved: 15.02

Off-Road Equipment:

1 Pavers (100 hp) operating at a 0.62 load factor for 8 hours per day

2 Paving Equipment (104 hp) operating at a 0.53 load factor for 6 hours per day

2 Rollers (95 hp) operating at a 0.56 load factor for 6 hours per day

Phase: Building Construction 8/1/2013 - 8/31/2014 - Default Building Construction Description

Off-Road Equipment:

1 Cranes (399 hp) operating at a 0.43 load factor for 6 hours per day

3 Forklifts (145 hp) operating at a 0.3 load factor for 6 hours per day

1 Generator Sets (49 hp) operating at a 0.74 load factor for 8 hours per day

4/23/2012 10:00:14 PM

3 Tractors/Loaders/Backhoes (108 hp) operating at a 0.55 load factor for 8 hours per day

1 Welders (45 hp) operating at a 0.45 load factor for 8 hours per day

Phase: Architectural Coating 9/1/2013 - 9/30/2014 - Default Architectural Coating Description

Rule: Residential Interior Coatings begins 1/1/2005 ends 6/30/2008 specifies a VOC of 100

Rule: Residential Interior Coatings begins 7/1/2008 ends 12/31/2040 specifies a VOC of 50

Rule: Residential Exterior Coatings begins 1/1/2005 ends 6/30/2008 specifies a VOC of 250

Rule: Residential Exterior Coatings begins 7/1/2008 ends 12/31/2040 specifies a VOC of 100

Rule: Nonresidential Interior Coatings begins 1/1/2005 ends 12/31/2040 specifies a VOC of 250

Rule: Nonresidential Exterior Coatings begins 1/1/2005 ends 12/31/2040 specifies a VOC of 250

Construction Mitigated Detail Report:

CONSTRUCTION EMISSION ESTIMATES Annual Tons Per Year, Mitigated

	ROG	NOx	CO	SO2	PM10 Dust	PM10 Exhaust	PM10	PM2.5 Dust	PM2.5 Exhaust	PM2.5	CO2
2013	0.90	2.31	3.17	0.00	0.38	0.14	0.52	0.08	0.13	0.21	545.10
Mass Grading 04/01/2013-04/15/2013	0.02	0.19	0.12	0.00	0.18	0.01	0.19	0.04	0.01	0.05	22.32
Mass Grading Dust	0.00	0.00	0.00	0.00	0.18	0.00	0.18	0.04	0.00	0.04	0.00
Mass Grading Off Road Diesel	0.02	0.19	0.11	0.00	0.00	0.01	0.01	0.00	0.01	0.01	21.13
Mass Grading On Road Diesel	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mass Grading Worker Trips	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.20

4/23/2012 10:00:14 PM

Fine Grading 04/16/2013-04/30/2013	0.03	0.20	0.13	0.00	0.18	0.01	0.19	0.04	0.01	0.05	23.00
Fine Grading Dust	0.00	0.00	0.00	0.00	0.18	0.00	0.18	0.04	0.00	0.04	0.00
Fine Grading Off Road Diesel	0.03	0.20	0.12	0.00	0.00	0.01	0.01	0.00	0.01	0.01	21.80
Fine Grading On Road Diesel	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Fine Grading Worker Trips	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.20
Trenching 05/01/2013-06/30/2013	0.05	0.37	0.24	0.00	0.00	0.02	0.02	0.00	0.02	0.02	46.58
Trenching Off Road Diesel	0.05	0.37	0.22	0.00	0.00	0.02	0.02	0.00	0.02	0.02	43.91
Trenching Worker Trips	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.67
Asphalt 07/01/2013-07/31/2013	0.05	0.23	0.14	0.00	0.00	0.02	0.02	0.00	0.02	0.02	27.85
Paving Off-Gas	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving Off Road Diesel	0.03	0.17	0.10	0.00	0.00	0.01	0.01	0.00	0.01	0.01	14.63
Paving On Road Diesel	0.00	0.06	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11.43
Paving Worker Trips	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.79
Building 08/01/2013-08/31/2014	0.24	1.33	2.53	0.00	0.01	0.09	0.10	0.00	0.08	0.08	422.70
Building Off Road Diesel	0.17	1.02	0.73	0.00	0.00	0.07	0.07	0.00	0.06	0.06	119.44
Building Vendor Trips	0.02	0.22	0.20	0.00	0.00	0.01	0.01	0.00	0.01	0.01	62.10
Building Worker Trips	0.05	0.09	1.60	0.00	0.01	0.01	0.02	0.00	0.01	0.01	241.16
Coating 09/01/2013-09/30/2014	0.51	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.66
Architectural Coating	0.51	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Coating Worker Trips	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.66

4/23/2012 10:00:14 PM

2014	2.89	1.94	3.81	0.01	0.02	0.12	0.14	0.01	0.11	0.12	676.85
Building 08/01/2013-08/31/2014	0.35	1.93	3.78	0.00	0.02	0.12	0.14	0.01	0.11	0.12	670.89
Building Off Road Diesel	0.25	1.50	1.13	0.00	0.00	0.10	0.10	0.00	0.09	0.09	189.57
Building Vendor Trips	0.03	0.31	0.30	0.00	0.00	0.01	0.02	0.00	0.01	0.01	98.57
Building Worker Trips	0.07	0.13	2.35	0.00	0.02	0.01	0.03	0.01	0.01	0.02	382.76
Coating 09/01/2013-09/30/2014	2.55	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5.96
Architectural Coating	2.54	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Coating Worker Trips	0.00	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5.96

Construction Related Mitigation Measures

The following mitigation measures apply to Phase: Fine Grading 4/16/2013 - 4/30/2013 - Default Fine Site Grading/Excavation Description

For Soil Stablizing Measures, the Apply soil stabilizers to inactive areas mitigation reduces emissions by:

PM10: 84% PM25: 84%

For Soil Stablizing Measures, the Water exposed surfaces 2x daily watering mitigation reduces emissions by:

PM10: 55% PM25: 55%

For Unpaved Roads Measures, the Reduce speed on unpaved roads to less than 15 mph mitigation reduces emissions by:

PM10: 44% PM25: 44%

For Unpaved Roads Measures, the Manage haul road dust 2x daily watering mitigation reduces emissions by:

PM10: 55% PM25: 55%

The following mitigation measures apply to Phase: Mass Grading 4/1/2013 - 4/15/2013 - Default Mass Site Grading/Excavation Description

For Soil Stablizing Measures, the Apply soil stabilizers to inactive areas mitigation reduces emissions by:

PM10: 84% PM25: 84%

For Soil Stablizing Measures, the Water exposed surfaces 2x daily watering mitigation reduces emissions by:

PM10: 55% PM25: 55%

For Unpaved Roads Measures, the Reduce speed on unpaved roads to less than 15 mph mitigation reduces emissions by:

PM10: 44% PM25: 44%

For Unpaved Roads Measures, the Manage haul road dust 2x daily watering mitigation reduces emissions by:

PM10: 55% PM25: 55%

4/23/2012 10:00:14 PM

The following mitigation measures apply to Phase: Architectural Coating 9/1/2013 - 9/30/2014 - Default Architectural Coating Description

For Nonresidential Architectural Coating Measures, the Nonresidential Exterior: Use Low VOC Coatings mitigation reduces emissions by:

ROG: 10%

For Nonresidential Architectural Coating Measures, the Nonresidential Interior: Use Low VOC Coatings mitigation reduces emissions by:

ROG: 10%

ATTACHMENT B

EMFAC2007 Model Year 2020

Soboba 2020

Title   : Soboba 2020 BAU
Version : Emfac2007 V2.3 Nov 1 2006
Run Date : 2012/04/23 22:04:30
Scen Year: 2020 -- All model years in the range 1976 to 2020 selected
Season   : Winter
Area   : San Diego
****

Year: 2020 -- Model Years 1976 to 2020 Inclusive -- Winter
Emfac2007 Emission Factors: V2.3 Nov 1 2006

San Diego   Basin Average   Basin Average

Table 1: Running Exhaust Emissions (grams/mile)

Pollutant Name: Methane   Temperature: 60F Relative Humidity: 50%

Speed MPH	LDA	LDT	MDT	HDT	UBUS	MCY	ALL
20	0.019	0.025	0.031	0.027	0.046	0.203	0.024
25	0.015	0.020	0.025	0.023	0.037	0.191	0.020
30	0.013	0.017	0.022	0.019	0.031	0.185	0.017
40	0.010	0.013	0.018	0.015	0.023	0.184	0.014

Pollutant Name: Carbon Monoxide   Temperature: 60F Relative Humidity: 50%

Speed MPH	LDA	LDT	MDT	HDT	UBUS	MCY	ALL
20	1.550	1.964	2.428	3.034	4.703	17.163	1.998
25	1.419	1.793	2.170	2.531	3.601	16.262	1.815
30	1.305	1.645	1.969	2.197	2.923	15.997	1.669
40	1.119	1.410	1.686	1.860	2.293	17.517	1.464

Pollutant Name: Oxides of Nitrogen   Temperature: 60F Relative Humidity: 50%

Speed MPH	LDA	LDT	MDT	HDT	UBUS	MCY	ALL
20	0.165	0.213	0.440	5.319	13.187	1.155	0.442
25	0.151	0.195	0.411	4.891	11.804	1.150	0.407
30	0.141	0.182	0.393	4.565	11.090	1.156	0.382
40	0.130	0.168	0.384	4.198	11.285	1.196	0.357

Pollutant Name: Carbon Dioxide   Temperature: 60F Relative Humidity: 50%

Speed MPH	LDA	LDT	MDT	HDT	UBUS	MCY	ALL
20	450.334	570.892	780.829	1718.691	2187.377	167.248	579.481

25	380.503	482.554	656.350	1617.909	2142.019	152.284	496.218
30	333.683	423.325	574.233	1540.265	2113.761	142.773	440.173
40	286.902	364.146	493.609	1439.158	2087.807	137.441	383.476

Pollutant Name: Sulfur Dioxide Temperature: 60F Relative Humidity: 50%

Speed MPH	LDA	LDT	MDT	HDT	UBUS	MCY	ALL
20	0.004	0.006	0.008	0.016	0.021	0.002	0.006
25	0.004	0.005	0.006	0.015	0.020	0.002	0.005
30	0.003	0.004	0.006	0.015	0.020	0.002	0.004
40	0.003	0.004	0.005	0.014	0.020	0.002	0.004

Pollutant Name: PM10 Temperature: 60F Relative Humidity: 50%

Speed MPH	LDA	LDT	MDT	HDT	UBUS	MCY	ALL
20	0.019	0.041	0.046	0.217	0.267	0.018	0.038
25	0.014	0.031	0.035	0.192	0.215	0.016	0.030
30	0.011	0.025	0.028	0.177	0.179	0.015	0.025
40	0.009	0.019	0.021	0.169	0.138	0.016	0.020

Pollutant Name: PM10 - Tire Wear Temperature: 60F Relative Humidity: 50%

Speed MPH	LDA	LDT	MDT	HDT	UBUS	MCY	ALL
20	0.008	0.008	0.009	0.024	0.009	0.004	0.009
25	0.008	0.008	0.009	0.024	0.009	0.004	0.009
30	0.008	0.008	0.009	0.024	0.009	0.004	0.009
40	0.008	0.008	0.009	0.024	0.009	0.004	0.009

Pollutant Name: PM10 - Brake Wear Temperature: 60F Relative Humidity: 50%

Speed MPH	LDA	LDT	MDT	HDT	UBUS	MCY	ALL
20	0.013	0.013	0.013	0.020	0.013	0.006	0.013
25	0.013	0.013	0.013	0.020	0.013	0.006	0.013
30	0.013	0.013	0.013	0.020	0.013	0.006	0.013
40	0.013	0.013	0.013	0.020	0.013	0.006	0.013

Pollutant Name: Gasoline - mi/gal Temperature: 60F Relative Humidity: 50%

Speed MPH	LDA	LDT	MDT	HDT	UBUS	MCY	ALL

20	19.558	15.408	11.080	10.034	9.978	43.850	17.280
25	23.140	18.230	13.257	12.788	12.718	47.948	20.432
30	26.382	20.784	15.251	15.427	15.345	50.803	23.281
40	30.689	24.176	17.915	19.036	18.940	51.671	27.040

Pollutant Name: Diesel - mi/gal   Temperature: 60F Relative Humidity: 50%

Speed MPH	LDA	LDT	MDT	HDT	UBUS	MCY	ALL
20	28.569	29.080	19.579	5.483	3.869	0.000	8.722
25	28.569	29.080	19.579	5.668	3.869	0.000	8.864
30	28.569	29.080	19.579	5.846	3.869	0.000	9.000
40	28.569	29.080	19.579	6.144	3.869	0.000	9.229

Title   : Soboba 2020 BAU
Version : Emfac2007 V2.3 Nov 1 2006
Run Date : 2012/04/23 22:04:30
Scen Year: 2020 -- All model years in the range 1976 to 2020 selected
Season   : Winter
Area   : San Diego
****

Year: 2020 -- Model Years 1976 to 2020 Inclusive -- Winter
Emfac2007 Emission Factors: V2.3 Nov 1 2006

San Diego   Basin Average   Basin Average

Table   1: Running Exhaust Emissions (grams/mile)

Pollutant Name: Methane   Temperature: 60F Relative Humidity: 60%

Speed MPH	LDA	LDT	MDT	HDT	UBUS	MCY	ALL
20	0.019	0.025	0.031	0.027	0.046	0.203	0.024
25	0.015	0.020	0.025	0.023	0.037	0.191	0.020
30	0.013	0.017	0.022	0.019	0.031	0.185	0.017
40	0.010	0.013	0.018	0.015	0.023	0.184	0.014

Pollutant Name: Carbon Monoxide   Temperature: 60F Relative Humidity: 60%

Speed MPH	LDA	LDT	MDT	HDT	UBUS	MCY	ALL
20	1.550	1.964	2.428	3.034	4.703	17.163	1.998
25	1.419	1.793	2.170	2.531	3.601	16.262	1.815
30	1.305	1.645	1.969	2.197	2.923	15.997	1.669
40	1.119	1.410	1.686	1.860	2.293	17.517	1.464

Soboba 2020

Pollutant Name: Oxides of Nitrogen Temperature: 60F Relative Humidity: 60%

Speed MPH	LDA	LDT	MDT	HDT	UBUS	MCY	ALL
20	0.160	0.207	0.429	5.220	12.941	1.120	0.431
25	0.147	0.189	0.400	4.800	11.583	1.115	0.397
30	0.137	0.176	0.383	4.479	10.881	1.121	0.373
40	0.126	0.163	0.374	4.119	11.073	1.159	0.348

Pollutant Name: Carbon Dioxide Temperature: 60F Relative Humidity: 60%

Speed MPH	LDA	LDT	MDT	HDT	UBUS	MCY	ALL
20	450.334	570.892	780.829	1718.691	2187.377	167.248	579.481
25	380.503	482.554	656.350	1617.909	2142.019	152.284	496.218
30	333.683	423.325	574.233	1540.265	2113.761	142.773	440.173
40	286.902	364.146	493.609	1439.158	2087.807	137.441	383.476

Pollutant Name: Sulfur Dioxide Temperature: 60F Relative Humidity: 60%

Speed MPH	LDA	LDT	MDT	HDT	UBUS	MCY	ALL
20	0.004	0.006	0.008	0.016	0.021	0.002	0.006
25	0.004	0.005	0.006	0.015	0.020	0.002	0.005
30	0.003	0.004	0.006	0.015	0.020	0.002	0.004
40	0.003	0.004	0.005	0.014	0.020	0.002	0.004

Pollutant Name: PM10 Temperature: 60F Relative Humidity: 60%

Speed MPH	LDA	LDT	MDT	HDT	UBUS	MCY	ALL
20	0.019	0.041	0.046	0.217	0.267	0.018	0.038
25	0.014	0.031	0.035	0.192	0.215	0.016	0.030
30	0.011	0.025	0.028	0.177	0.179	0.015	0.025
40	0.009	0.019	0.021	0.169	0.138	0.016	0.020

Pollutant Name: PM10 - Tire Wear Temperature: 60F Relative Humidity: 60%

Speed MPH	LDA	LDT	MDT	HDT	UBUS	MCY	ALL
20	0.008	0.008	0.009	0.024	0.009	0.004	0.009
25	0.008	0.008	0.009	0.024	0.009	0.004	0.009
30	0.008	0.008	0.009	0.024	0.009	0.004	0.009
40	0.008	0.008	0.009	0.024	0.009	0.004	0.009

Pollutant Name: PM10 - Brake Wear Temperature: 60F Relative Humidity: 60%

Speed MPH	LDA	LDT	MDT	HDT	UBUS	MCY	ALL
20	0.013	0.013	0.013	0.020	0.013	0.006	0.013
25	0.013	0.013	0.013	0.020	0.013	0.006	0.013
30	0.013	0.013	0.013	0.020	0.013	0.006	0.013
40	0.013	0.013	0.013	0.020	0.013	0.006	0.013

Pollutant Name: Gasoline - mi/gal Temperature: 60F Relative Humidity: 60%

Speed MPH	LDA	LDT	MDT	HDT	UBUS	MCY	ALL
20	19.558	15.408	11.080	10.034	9.978	43.850	17.280
25	23.140	18.230	13.257	12.788	12.718	47.948	20.432
30	26.382	20.784	15.251	15.427	15.345	50.803	23.281
40	30.689	24.176	17.915	19.036	18.940	51.671	27.040

Pollutant Name: Diesel - mi/gal Temperature: 60F Relative Humidity: 60%

Speed MPH	LDA	LDT	MDT	HDT	UBUS	MCY	ALL
20	28.569	29.080	19.579	5.483	3.869	0.000	8.722
25	28.569	29.080	19.579	5.668	3.869	0.000	8.864
30	28.569	29.080	19.579	5.846	3.869	0.000	9.000
40	28.569	29.080	19.579	6.144	3.869	0.000	9.229

Title : Soboba 2020 BAU
Version : Emfac2007 V2.3 Nov 1 2006
Run Date : 2012/04/23 22:04:30
Scen Year: 2020 -- All model years in the range 1976 to 2020 selected
Season : Winter
Area : San Diego
****

Year: 2020 -- Model Years 1976 to 2020 Inclusive -- Winter
Emfac2007 Emission Factors: V2.3 Nov 1 2006

San Diego Basin Average Basin Average

Table 2: Starting Emissions (grams/trip)

Pollutant Name: Methane Temperature: 60F Relative Humidity: ALL

Time min	LDA	LDT	MDT	HDT	UBUS	MCY	ALL
5	0.002	0.002	0.005	0.008	0.008	0.067	0.003
10	0.004	0.003	0.010	0.015	0.015	0.076	0.006
20	0.008	0.007	0.019	0.028	0.029	0.095	0.011
30	0.011	0.009	0.027	0.039	0.041	0.114	0.016
40	0.014	0.012	0.035	0.049	0.052	0.133	0.020
50	0.016	0.014	0.042	0.058	0.061	0.151	0.024
60	0.018	0.017	0.048	0.065	0.068	0.164	0.027
120	0.024	0.023	0.061	0.059	0.064	0.160	0.033
180	0.019	0.018	0.055	0.063	0.068	0.149	0.028
240	0.020	0.019	0.059	0.066	0.072	0.159	0.030
300	0.021	0.020	0.062	0.070	0.075	0.169	0.032
360	0.022	0.022	0.065	0.073	0.079	0.179	0.033
420	0.023	0.023	0.068	0.076	0.082	0.188	0.035
480	0.024	0.024	0.071	0.079	0.086	0.198	0.036
540	0.025	0.025	0.075	0.082	0.089	0.207	0.038
600	0.026	0.026	0.078	0.085	0.092	0.216	0.039
660	0.026	0.027	0.081	0.088	0.095	0.225	0.041
720	0.027	0.028	0.083	0.090	0.098	0.233	0.042

Pollutant Name: Carbon Monoxide Temperature: 60F Relative Humidity: ALL

Time min	LDA	LDT	MDT	HDT	UBUS	MCY	ALL
5	0.426	0.450	1.126	2.338	1.412	3.691	0.679
10	0.838	0.886	2.180	4.498	2.766	4.512	1.295
20	1.617	1.719	4.186	8.545	5.303	6.081	2.464
30	2.339	2.498	6.055	12.227	7.611	7.554	3.549
40	3.003	3.226	7.786	15.544	9.689	8.929	4.548
50	3.610	3.901	9.380	18.497	11.537	10.207	5.464
60	4.159	4.523	10.836	21.085	13.156	11.389	6.294
120	5.918	6.538	13.414	17.158	10.939	15.071	8.030
180	4.104	4.737	10.716	17.692	11.259	11.850	6.159
240	4.338	5.076	11.417	18.238	11.589	13.100	6.531
300	4.554	5.380	12.053	18.798	11.930	14.240	6.872
360	4.751	5.649	12.624	19.370	12.282	15.272	7.182
420	4.930	5.884	13.130	19.955	12.643	16.194	7.461
480	5.090	6.084	13.571	20.553	13.016	17.007	7.710
540	5.232	6.250	13.947	21.164	13.399	17.711	7.928
600	5.356	6.381	14.259	21.788	13.793	18.305	8.114
660	5.461	6.477	14.505	22.425	14.197	18.791	8.270
720	5.548	6.538	14.687	23.075	14.611	19.167	8.396

Pollutant Name: Oxides of Nitrogen Temperature: 60F Relative Humidity: ALL

Time min	LDA	LDT	MDT	HDT	UBUS	MCY	ALL
5	0.103	0.216	0.803	0.401	0.528	0.176	0.274
10	0.120	0.236	0.897	0.604	0.795	0.216	0.314
20	0.150	0.271	1.062	0.960	1.265	0.286	0.385

30	0.174	0.301	1.200	1.250	1.648	0.344	0.443
40	0.194	0.325	1.311	1.474	1.943	0.391	0.490
50	0.208	0.344	1.394	1.632	2.152	0.425	0.524
60	0.217	0.357	1.450	1.724	2.274	0.447	0.547
120	0.228	0.383	1.545	1.750	2.308	0.452	0.577
180	0.236	0.396	1.558	1.744	2.300	0.449	0.587
240	0.234	0.393	1.547	1.734	2.287	0.442	0.583
300	0.232	0.389	1.529	1.721	2.269	0.432	0.577
360	0.229	0.383	1.506	1.704	2.247	0.420	0.568
420	0.225	0.375	1.476	1.684	2.221	0.406	0.558
480	0.220	0.365	1.441	1.661	2.190	0.390	0.545
540	0.214	0.354	1.399	1.634	2.155	0.372	0.530
600	0.208	0.341	1.351	1.603	2.115	0.351	0.513
660	0.200	0.326	1.296	1.570	2.071	0.329	0.494
720	0.192	0.309	1.236	1.532	2.022	0.305	0.473

Pollutant Name: Carbon Dioxide Temperature: 60F Relative Humidity: ALL

Time min	LDA	LDT	MDT	HDT	UBUS	MCY	ALL
5	11.569	14.677	20.005	2.960	2.303	15.452	13.611
10	13.259	16.776	23.454	5.774	4.594	17.728	15.789
20	17.095	21.555	31.101	11.355	9.136	22.190	20.659
30	21.538	27.109	39.747	16.873	13.628	26.532	26.215
40	26.588	33.437	49.391	22.327	18.069	30.754	32.459
50	32.247	40.540	60.034	27.718	22.459	34.856	39.389
60	38.512	48.418	71.676	33.046	26.797	38.837	47.007
120	87.451	110.293	158.458	56.114	45.578	56.825	104.883
180	99.548	125.505	180.883	66.231	53.847	60.645	119.532
240	111.561	140.621	203.036	75.750	61.628	64.240	134.036
300	123.492	155.642	224.917	84.672	68.920	67.612	148.394
360	135.338	170.569	246.525	92.997	75.725	70.760	162.608
420	147.101	185.400	267.862	100.726	82.042	73.684	176.677
480	158.781	200.136	288.927	107.857	87.871	76.384	190.600
540	170.377	214.777	309.720	114.390	93.211	78.861	204.378
600	181.890	229.323	330.241	120.327	98.064	81.114	218.012
660	193.319	243.775	350.489	125.667	102.428	83.143	231.500
720	204.665	258.131	370.466	130.410	106.305	84.948	244.843

Pollutant Name: Sulfur Dioxide Temperature: 60F Relative Humidity: ALL

Time min	LDA	LDT	MDT	HDT	UBUS	MCY	ALL
5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
10	0.000	0.000	0.000	0.000	0.000	0.000	0.000
20	0.000	0.000	0.000	0.000	0.000	0.000	0.000
30	0.000	0.000	0.000	0.000	0.000	0.000	0.000
40	0.000	0.000	0.001	0.000	0.000	0.000	0.000
50	0.000	0.000	0.001	0.001	0.000	0.001	0.000
60	0.000	0.001	0.001	0.001	0.000	0.001	0.001
120	0.001	0.001	0.002	0.001	0.001	0.001	0.001
180	0.001	0.001	0.002	0.001	0.001	0.001	0.001
240	0.001	0.001	0.002	0.001	0.001	0.001	0.001
300	0.001	0.002	0.002	0.001	0.001	0.001	0.002
360	0.001	0.002	0.003	0.001	0.001	0.001	0.002

420	0.001	0.002	0.003	0.001	0.001	0.001	0.002
480	0.002	0.002	0.003	0.001	0.001	0.001	0.002
540	0.002	0.002	0.003	0.001	0.001	0.001	0.002
600	0.002	0.002	0.003	0.002	0.001	0.001	0.002
660	0.002	0.002	0.004	0.002	0.001	0.001	0.002
720	0.002	0.003	0.004	0.002	0.001	0.001	0.002

Pollutant Name: PM10 Temperature: 60F Relative Humidity: ALL

Time min	LDA	LDT	MDT	HDT	UBUS	MCY	ALL
5	0.001	0.001	0.001	0.000	0.000	0.008	0.001
10	0.001	0.003	0.002	0.001	0.001	0.007	0.002
20	0.002	0.005	0.005	0.002	0.001	0.006	0.004
30	0.003	0.007	0.007	0.002	0.002	0.005	0.005
40	0.005	0.010	0.009	0.003	0.003	0.004	0.007
50	0.006	0.012	0.011	0.003	0.003	0.003	0.008
60	0.006	0.014	0.012	0.004	0.004	0.003	0.009
120	0.010	0.022	0.019	0.005	0.005	0.006	0.015
180	0.011	0.025	0.021	0.005	0.005	0.009	0.017
240	0.012	0.027	0.023	0.005	0.005	0.012	0.018
300	0.013	0.029	0.025	0.006	0.005	0.014	0.019
360	0.014	0.030	0.026	0.006	0.005	0.017	0.020
420	0.015	0.032	0.027	0.006	0.006	0.018	0.021
480	0.015	0.033	0.028	0.006	0.006	0.020	0.022
540	0.015	0.034	0.029	0.006	0.006	0.021	0.023
600	0.016	0.034	0.029	0.006	0.006	0.022	0.023
660	0.016	0.035	0.030	0.007	0.006	0.022	0.023
720	0.016	0.035	0.030	0.007	0.006	0.022	0.024

Title : Soboba 2020 BAU
Version : Emfac2007 V2.3 Nov 1 2006
Run Date : 2012/04/23 22:04:30
Scen Year: 2020 -- All model years in the range 1976 to 2020 selected
Season : Winter
Area : San Diego
****

Year: 2020 -- Model Years 1976 to 2020 Inclusive -- Winter
Emfac2007 Emission Factors: V2.3 Nov 1 2006

San Diego Basin Average Basin Average

Table 4: Hot Soak Emissions (grams/trip)

Pollutant Name: Methane Temperature: 60F Relative Humidity: ALL

Time min	LDA	LDT	MDT	HDT	UBUS	MCY	ALL

5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
10	0.000	0.000	0.000	0.000	0.000	0.000	0.000
20	0.000	0.000	0.000	0.000	0.000	0.000	0.000
30	0.000	0.000	0.000	0.000	0.000	0.000	0.000
40	0.000	0.000	0.000	0.000	0.000	0.000	0.000

Hot soak results are scaled to reflect zero emissions for trip lengths of less than 5 minutes (about 25% of in-use trips).

Title   : Soboba 2020 BAU
Version : Emfac2007 V2.3 Nov 1 2006
Run Date : 2012/04/23 22:04:30
Scen Year: 2020 -- All model years in the range 1976 to 2020 selected
Season   : Winter
Area   : San Diego
****

Year: 2020 -- Model Years 1976 to 2020 Inclusive -- Winter
Emfac2007 Emission Factors: V2.3 Nov 1 2006

San Diego   Basin Average   Basin Average

Table 5a: Partial Day Diurnal Loss Emissions (grams/hour)

Pollutant Name: Methane   Temperature: ALL   Relative Humidity: ALL

Temp degF	LDA	LDT	MDT	HDT	UBUS	MCY	ALL
60	0.000	0.000	0.000	0.000	0.000	0.000	0.000

Title   : Soboba 2020 BAU
Version : Emfac2007 V2.3 Nov 1 2006
Run Date : 2012/04/23 22:04:30
Scen Year: 2020 -- All model years in the range 1976 to 2020 selected
Season   : Winter
Area   : San Diego
****

Year: 2020 -- Model Years 1976 to 2020 Inclusive -- Winter
Emfac2007 Emission Factors: V2.3 Nov 1 2006

San Diego   Basin Average   Basin Average

Table 5b: Multi-Day Diurnal Loss Emissions (grams/hour)

Soboba 2020

Pollutant Name: Methane   Temperature: ALL   Relative Humidity:
ALL

Temp degF	LDA	LDT	MDT	HDT	UBUS	MCY	ALL
60	0.000	0.000	0.000	0.000	0.000	0.000	0.000

Title   : Soboba 2020 BAU
Version : Emfac2007 V2.3 Nov 1 2006
Run Date : 2012/04/23 22:04:30
Scen Year: 2020 -- All model years in the range 1976 to 2020 selected
Season   : Winter
Area   : San Diego
****

Year: 2020 -- Model Years 1976 to 2020 Inclusive -- Winter
Emfac2007 Emission Factors: V2.3 Nov 1 2006

San Diego   Basin Average   Basin
Average

Table 6a: Partial Day Resting Loss Emissions
(grams/hour)

Pollutant Name: Methane   Temperature: ALL   Relative Humidity:
ALL

Temp degF	LDA	LDT	MDT	HDT	UBUS	MCY	ALL
60	0.000	0.000	0.000	0.000	0.000	0.000	0.000

Title   : Soboba 2020 BAU
Version : Emfac2007 V2.3 Nov 1 2006
Run Date : 2012/04/23 22:04:30
Scen Year: 2020 -- All model years in the range 1976 to 2020 selected
Season   : Winter
Area   : San Diego
****

Year: 2020 -- Model Years 1976 to 2020 Inclusive -- Winter
Emfac2007 Emission Factors: V2.3 Nov 1 2006

San Diego   Basin Average   Basin
Average

Table 6b: Multi-Day Resting Loss Emissions
(grams/hour)

Pollutant Name: Methane   Temperature: ALL   Relative Humidity:

Soboba 2020
ALL

Temp degF	LDA	LDT	MDT	HDT	UBUS	MCY	ALL
60	0.000	0.000	0.000	0.000	0.000	0.000	0.000

Title   : Soboba 2020 BAU
Version : Emfac2007 V2.3 Nov 1 2006
Run Date : 2012/04/23 22:04:30
Scen Year: 2020 -- All model years in the range 1976 to 2020 selected
Season   : Winter
Area   : San Diego
****
Year: 2020 -- Model Years 1976 to 2020 Inclusive -- Winter
Emfac2007 Emission Factors: V2.3 Nov 1 2006

San Diego   Basin Average   Basin Average

Table 7: Estimated Travel Fractions

Pollutant Name: Temperature: ALL   Relative Humidity: ALL

	LDA	LDT	MDT	HDT	UBUS	MCY	ALL
%VMT	0.500	0.328	0.122	0.039	0.001	0.009	1.000
%TRIP	0.472	0.296	0.175	0.046	0.000	0.011	1.000
%VEH	0.505	0.320	0.113	0.025	0.000	0.036	1.000

Title   : Soboba 2020 BAU
Version : Emfac2007 V2.3 Nov 1 2006
Run Date : 2012/04/23 22:04:30
Scen Year: 2020 -- All model years in the range 1976 to 2020 selected
Season   : Winter
Area   : San Diego
****
Year: 2020 -- Model Years 1976 to 2020 Inclusive -- Winter
Emfac2007 Emission Factors: V2.3 Nov 1 2006

San Diego   Basin Average   Basin Average

Table 8: Evaporative Running Loss Emissions (grams/minute)

Pollutant Name: Methane Temperature: 60F Relative Humidity: ALL

Time min	LDA	LDT	MDT	HDT	UBUS	MCY	ALL
1	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2	0.000	0.000	0.000	0.000	0.000	0.000	0.000
3	0.000	0.000	0.000	0.000	0.000	0.000	0.000
4	0.000	0.000	0.000	0.000	0.000	0.000	0.000
5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
10	0.000	0.000	0.000	0.000	0.000	0.000	0.000
15	0.000	0.000	0.000	0.000	0.000	0.000	0.000
20	0.000	0.000	0.000	0.000	0.000	0.000	0.000
25	0.000	0.000	0.000	0.000	0.000	0.000	0.000
30	0.000	0.000	0.000	0.000	0.000	0.000	0.000
35	0.000	0.000	0.000	0.000	0.000	0.000	0.000
40	0.000	0.000	0.000	0.000	0.000	0.000	0.000
45	0.000	0.000	0.000	0.000	0.000	0.000	0.000
50	0.000	0.000	0.000	0.000	0.000	0.000	0.000
55	0.000	0.000	0.000	0.000	0.000	0.000	0.000
60	0.000	0.000	0.000	0.000	0.000	0.000	0.000

Appendix AB:

Unanticipated Discoveries Plan (New Appendix)

Unanticipated Discoveries Plan for the Soboba Horseshoe Grande Project

The following guidelines are recommended in the event that unanticipated discoveries of historic properties, human burials, or paleontological resources occur during project activities, These guidelines shall be kept on the project site by the construction supervisor and monitoring personnel.

I. Unanticipated Discovery of Historic Properties

1. When previously unidentified historic properties are discovered during ground disturbing activities associated with the Soboba Horseshoe Grande project, archaeological or tribal monitors will immediately stop work within 100 feet of the find and notify the Soboba Cultural Resources Director of the discovery.

   Contact: Joe Ontiveros
   Soboba Cultural Resource Director
   Office Phone: 951-654-2765 ext. 4137
   Cell Phone: 951-654-5279

2. The Soboba Band shall have a qualified archaeologist examine the find to determine significance. If the find is determined to be significant, the BIA and the California SHPO will be contacted to develop the appropriate mitigation measure.

   Contact: Southern California Agency
   Bureau of Indian Affairs
   1451 Research Park Drive, Suite 100
   Riverside, CA 92507
   Phone: 909-276-6624

II. Unanticipated Discovery of Human Remains

1. When an unmarked human burial or skeletal remains are encountered during construction activities associated with the Soboba Horseshoe Grande project, archaeological or tribal monitors will immediately stop work within 100 feet of the find and notify the Soboba Cultural Resources Director of the discovery.

2. The Soboba Band will immediately notify the Riverside County Coroner and local law enforcement.

   Riverside County Coroner
   Phone: 951-443-2300

3. If the coroner determines that the remains are Native American, the Soboba Band will contact the Native American Heritage Commission, BIA, and California SHPO. As the most likely descendent, the Soboba Band will determine the treatment and disposition of the remains.

III. Unanticipated Discovery of Paleontological Resources

1. If possible paleontological resources are discovered during ground disturbing activities associated with the Soboba Horseshoe Grande project, archaeological or tribal monitors will immediately stop work within 100 feet of the find and notify the Soboba Band of the discovery.

2. The Soboba Band will contact a qualified paleontologist to determine the significance of the find and the appropriate treatment of the resource.

   Contact: Eric Scott
   Paleontology Curator
   San Bernardino County Museum
   Phone: 909-307-2669

Appendix AC:

Transportation Management Plan (New Appendix)

March 30, 2010

Mr. Ben Pogue
ENTRIX, INC.
12009 NE 99th Street, Suite 1410
Vancouver, WA 98682

Dear Mr. Pogue:

INTRODUCTION

The firm of Kunzman Associates, Inc. is pleased to provide this transportation management plan for the Horseshoe Grande Property project for the Soboba Band of Luiseno Indians. Kunzman Associates, Inc. has been asked to provide this transportation management plan to account for "special events" that would occur at the proposed project site. This transportation management plan supplements the Horseshoe Grande Property Traffic Impact Analysis (Revised), March 30, 2010, prepared by Kunzman Associates, Inc.

Although this is a technical report, every effort has been made to write the report clearly and concisely. To assist the reader with those terms unique to transportation engineering, a glossary of terms is provided in Appendix A.

PROPOSED DEVELOPMENT

The project site is located adjacent to Lake Park Drive at Soboba Road in the City of San Jacinto.

The project site (Proposed Action "A") is proposed to be developed with a 365,000 square foot casino, a 135,000 square foot event arena with 3,891 seats, a 170,000 square foot 300 room hotel, a 12 fueling position service station with a 6,000 square foot convenience market, and a 13,500 square foot fire station. The project site was also analyzed with a 40,000 square foot convention center which shall be a part of phase 2 and was included in the analysis to represent buildout conditions.

The project site (Proposed Action "B") is proposed to be developed with a 350,000 square foot casino, a 120,000 square foot event arena with 3,891 seats, a 170,000 square foot 300 room hotel, a 12 fueling position service station with a 6,000 square foot convenience market, and a 13,500 square foot fire station. The project site was also analyzed with a 40,000 square foot convention center which shall be a part of phase 2 and was included in the analysis to represent buildout conditions.

1111 TOWN & COUNTRY ROAD, SUITE 34, ORANGE, CA 92868
PHONE: (714) 973-8383 ■ FAX: (714) 973-8821

WWW.TRAFFIC-ENGINEER.COM

The project site (Alternative 1) is proposed to be developed with a 280,000 square foot casino, a 96,000 square foot event arena with 3,112 seats, a 136,000 square foot 240 room hotel, a 12 fueling position service station with a 6,000 square foot convenience market, and a 13,500 square foot fire station. The project site was also analyzed with a 32,000 square foot convention center which shall be a part of phase 2 and was included in the analysis to represent buildout conditions.

The project site (Alternative 2) is proposed to be developed with a 170,000 square foot 300 room hotel, a 12 fueling position service station with a 6,000 square foot convenience market, and a 13,500 square foot fire station. The project site was also analyzed with a 36,000 square foot convention center which shall be a part of phase 2 and was included in the analysis to represent buildout conditions.

The project site (Alternative 3) is proposed to be developed with a 200 space RV Park, a 122,950 square foot shopping center, a 12 fueling position service station with a 6,000 square foot convenience market, and a 13,500 square foot fire station.

PARKING

For Proposed Action "A", approximately 5,080 parking spaces will be provided. Approximately 4,300 of these 5,080 parking spaces will be provided via two three-story parking garages. These structures would be approximately 40-45 feet in elevation from existing grade and built upon pile driven foundations. The larger of the two parking garages will provide 2,680 parking spaces and be located adjacent to Soboba Road and north of the Project North Access. The other parking garage will provide 1,620 parking spaces and be located at the northwest corner of the Soboba Road/Lake Park Drive intersection. An additional 780 surface parking spaces will be provided. Approximately 540 of these 780 parking spaces will be directly in front of the primary entrance, and the remaining 240 parking spaces will be located at the Soboba Road/Lake Park Drive intersection. Approximately 20 additional parking spaces will be included for the gas station with convenience market.

For Proposed Action "B", the same amount of parking spaces will be provided as for Proposed Action "A" (5,080 parking spaces), although the parking configuration is slightly different. The larger parking structure adjacent to Soboba Road and north of the Project North Access will be three levels with one sub-level and will still provide 2,600 parking spaces. The other parking structure will be located across Lake Park Drive and provide 1,680 parking spaces. Both structures will be approximately 40-45 feet in elevation from the surface and built upon pile driven foundations. An additional 810 surface parking spaces will be provided. These parking spaces will be located in front of the primary entrance, to the north of the possible convention center, and adjacent to the southern parking structure. Approximately 20 additional parking spaces will be included for the gas station with convenience market.

For Alternative 1, approximately 4,842 parking spaces will be provided. Two three-level parking garages will be constructed, with a subsurface parking level. Both structures will be approximately 40-45 feet in elevation from the surface and built upon pile driven foundations. One parking garage will provide

2,680 parking spaces and be located west of Soboba Road and north of the Project North Access. The other parking garage will provide 1,420 parking spaces and be located at the intersection of Soboba Road/Lake Park Drive. An additional 742 surface parking spaces will be provided in front of the Project North Access, north of the possible convention center, and surrounding the southern parking garage. Approximately 20 additional parking spaces will be included for the gas station with convenience market.

For Alternative 2, approximately 660 surface parking spaces. These parking spaces will surround the proposed facility to the south and east. Approximately 20 additional parking spaces will be included for the gas station with convenience market.

For Alternative 3, approximately 365 parking spaces will be provided for the retail establishments and gas station with convenience market. The RV park will provide 75 back-in parking spaces, 95 pull-thru parking spaces, 25 cabin rental parking spaces, and 55 tent or trailer parking spaces for a total of 250 parking spaces.

To facilitate internal circulation within the parking garages, the following is recommended:

1. Each parking level should have large numbers on the pillars or walls designating on which floor level the user has parked. Letters can also be added to designate what area within a parking level the person has parked such as 3A.

2. The elevators and stairways should be clearly marked with signs to direct the user how to go from their car to the main parts of the facility.

3. At each aisle juncture, there should be an "Exit" sign that tells which way to go to exit.

Additional off-site parking including shuttle services has not been considered in this analysis as there are no agreements currently in place to provide off-site parking. If "special events" are held and it is determined that additional parking spaces are needed to meet demand, off-site parking and shuttle service agreements should be pursued in order to increase the number of parking spaces available.

SITE ACCESS

For Proposed Action "A", Lake Park Drive will be realigned to accommodate the proposed developments. The realignment of Lake Park Drive would shift the intersection of Soboba Road/Lake Park Drive to the southeast approximately 0.2 miles. The realigned Lake Park Drive will separate the southern parking garage from the Soboba Springs community. The realignment of Lake Park Drive will be in compliance with the roadway development standards by the City of San Jacinto in Chapter 12.28 of the City of San Jacinto Municipal Code. There will be two access points located off Soboba Road north of Lake Park Drive which will provide full access to Soboba Road and be signalized. An additional access point off Soboba Road at the project north boundary for deliveries and back-of-the-house operations will also be provided.

For Proposed Action "B", one access point will be located off Soboba Road north of Lake Park Drive and one access point located off Soboba Road south of Lake Park Drive. Both access points will be signalized. An additional access point off Lake Park Drive west of Soboba Road will allow access to the hotel/casino complex to the north and events center/southern parking garage to the south. This access will be restricted to right turns in/out only access.

For Alternative 1, Lake Park Drive will be realigned to accommodate the proposed developments. The realignment of Lake Park Drive would shift the intersection of Soboba Road/Lake Park Drive to the southeast approximately 0.2 miles. The realigned Lake Park Drive will separate the southern parking garage from the Soboba Springs community. The realignment of Lake Park Drive will be in compliance with the roadway development standards by the City of San Jacinto in Chapter 12.28 of the City of San Jacinto Municipal Code. There will be two access points located off Soboba Road north of Lake Park Drive which will provide full access to Soboba Road and be signalized. An additional access point off Soboba Road at the project north boundary for deliveries and back-of-the-house operations will also be provided.

For Alternative 2, one access point will be located off Soboba Road north of Lake Park Drive and provide full access. Another access point will be located off Soboba Road south of Lake Park Drive and will be signalized with full access. An access point will also be located off Lake Park Drive west of Soboba Road and be restricted to right turns in/out only access.

For Alternative 3, one access point will be located off Soboba Road south of Lake Park Drive and one access point located on Lake Park Drive west of Soboba Road. Both access points will provide full access and be signalized. Both these access points will provide access to the commercial retail businesses from the north and east, but there would be no direct access to the proposed RV park. For security purposes, access to the RV park will be granted after passing through a check-in guard station.

EVENT NOTIFICATION

In advance to a "special event", pre-event advertising should occur in the appropriate media to alert visitors of the event in advance of designated inbound and outbound routes, parking locations, and pre-paid parking opportunities (if paid parking is provided). Directional maps should be published and distributed as necessary. Prior to a "special event", coordination should occur with all affected agencies. These agencies include but are not limited to the County of Riverside, City of San Jacinto, California Department of Transportation, California Highway Patrol, emergency services (fire, ambulance, etc.), and the Riverside Transit Agency.

Prior to "special events", property owners in the immediate vicinity should be notified by mail.

CHANNELIZATION

Channelization is often a simple and cost-effective means of improving efficient use of a wide, paved roadway. This technique of channeling the traffic through the preferred spots of the intersection often improves safety and efficiency in traffic movement. Traffic cones should be used to channelize traffic and guide drivers to the available parking areas. Proper signs should be utilized during peak periods. They include permanent and temporary signs. Each approach should have proper signs with directions marked clearly.

MANUAL TRAFFIC CONTROL

Manual traffic control points should be manned with traffic control personnel/police in order to route traffic flow at intersections and at parking areas. At a minimum, traffic control personnel/police should be situated at each project access to be utilized for "special event" operations and at the intersection of Soboba Road/Lake Park Drive to account for site access (see Figures 1 to 5). In order to provide local residents with ease of access to and from their communities, it is recommended that traffic control personnel/police also be situated at the intersections of Soboba Springs Drive/Lake Park Drive and Soboba Road/Chabella Drive. Using traffic control personnel/police at the project accesses and the intersections of Soboba Road/Chabella Drive, Soboba Road/Lake Park Drive, and Soboba Springs Drive/Lake Park Drive will allow for traffic to flow to and from the project site as well as allow local residents access to and from their communities. Each intersection should have a minimum of one traffic control personnel/police directing traffic.

Traffic control personnel/police can also be utilized within the project site to direct vehicles to the appropriate parking areas prior to an event and assist in the release of traffic when the event has ended.

On-site and off-site traffic control personnel/police should communicate to each other via "walkie-talkies" in order to be in constant contact. All on-site and off-site traffic control personnel/police should be trained prior to starting work in the field and should be equipped with appropriate safety equipment (i.e. orange vest, etc.).

VALET/VIP AREA

The Valet/VIP areas are shown on Figures 1 to 4. All alternatives except Alternative 3 are proposed to provide Valet/VIP services. Alternative 3 does not propose casino/event arena/convention center uses. These areas should be appropriately signed and striped with painted curbs. Pedestrian conflicts should be minimized as much as possible by directing pedestrians to designated pedestrian crossings. At peak periods during "special events", manual control could be necessary in the drop-off areas. It should be noted that the Valet/VIP area will be parked in greater density by valet than standard general public vehicle parking.

Enforcement of drop-off/pick-up policies can be performed. When new drop-off/pick-up plans are implemented, assistance may be requested from traffic directing personnel/police to make sure traffic flows smoothly during events.

DESIGNATED PARKING AREAS

Each parking area should contain preferential parking spaces for the handicapped. Each specifically designated area should be clearly painted and signed. Signs should be posted to clearly direct the appropriate attendee to the designated parking spaces.

Temporary "No Event Parking" signs should be placed on all surrounding public streets. Spectator vehicles parked in these areas should be ticketed and towed. In the event that parking on nearby residential streets become a problem, a parking permit program could be issued to residents and their guests.

Pedestrian crossings should be clearly marked and signed for both pedestrians and vehicular traffic. Clearly identified pedestrian walkways should be situated as to minimize any potential conflict with vehicular traffic.

EMERGENCY/FIRE/MEDICAL SERVICES

With more than one access point, good emergency access is assured because there are two ways of reaching any point within the site.

For all project alternatives, two Tribal fire stations would be developed. The Tribal fire department would adopt the land use/fire suppression goals of California Department of Forestry and Fire Protection/Riverside County Fire Department for heavy urban areas. The goal calls for the first arriving unit to be on scene within five minutes from time of dispatch and setup to be complete within an additional three minutes. This would allow for extinguishing agents to be applied within a goal of eight minutes from the time of dispatch. The goal for the full assignment is to arrive at the scene and be setup for operation within ten minutes of dispatch on 90 percent of all fire incidents.

The Tribe will consult with the California Department of Forestry and Fire Protection/Riverside County fire Department to establish a Mutual Aid Agreement. This would also include the City of San Jacinto due to its contractual relationship with California Department of Forestry and Fire Protection/Riverside County Fire Department to provide fire protection services. An additional Mutual Aid Agreement will be pursued with the City of Hemet.

For all project alternatives, the Tribal fire station would offer First Responder level and EMT-1 level emergency medical services to the project site. A contract with the California Department of Forestry and Fire Protection/Riverside County Fire Department to provide dispatching services for the Reservation will be negotiated. Dispatching services would be provided through the California Department of Forestry and Fire Protection/Riverside County Fire Department Perris Emergency Command Center, which dispatches the emergency resources that provide service to the Reservation.

This includes American Medical Response, the private ambulance service which provides Advanced Life Support transport. Under a contract with Riverside County, American Medical Response provided emergency medical services, ambulance transport, and paramedic services to the Reservation and project site. American Medical Response's deployment center is located in the City of Hemet and has a sub-station in the City of San Jacinto (MacGavin 2004). Advanced Life Support emergency airlift services are provided by Mercy Air and the California Highway Patrol Air Operations.

Hospitals that provide service for incidents both on the Reservation and the project site include the Hemet Valley Medical Center in the City of Hemet and the San Gorgonio Memorial Hospital in the City of Banning.

It should be noted that prior to a "special event" and after a "special event" the majority of traffic will be one directional. For instance, prior to a "special event" most of the traffic will be coming to the project site heading eastbound on Lake Park Drive or southbound on Soboba Road. In the event of an emergency, ambulances and emergency response vehicles can utilize shoulders, two way left-turn medians, and opposing traffic lanes (in this case the northbound lane(s) on Soboba Road and westbound lane(s) on Lake Park Drive) to arrive to and depart from the facility or surrounding neighborhoods in a timely manner.

In the event of a large scale emergency, it is not anticipated that the project site and surrounding communities would need to be evacuated all at once within a short time frame. For instance, in the event of a forest fire or flood, ample visible warning of the fire coming down the mountainside or water rising in the San Jacinto Creek would give warning of a potential emergency situation and allow adequate time for evacuation prior to the situation becoming a credible threat. Earthquakes are unexpected events that occur during a short duration. With modern technological advances, the project site is to be built to current code. In the event of an earthquake, it is not expected that a mass evacuation would need to occur as the main focus in the aftermath of an earthquake is to treat people who have been injured in the earthquake. As an aside, the Soboba Springs Golf Course could be utilized as a triage for an earthquake induced emergency situation.

Concerning traffic congestion in the event of a large-scale emergency, both Soboba Road and Lake Park Drive can be utilized as thoroughfares for both patrons and employees of the project site and the surrounding communities as a means of evacuation. The project site itself, with multiple access points to both these roadways allows for good emergency access. Appropriate law enforcement and emergency personnel may utilize the southbound lane(s) on Soboba Road and the eastbound lane(s) on Lake Park Drive as additional northbound lane(s) on Soboba Road and as additional westbound lane(s) on Lake Park Drive. This would effectively allow for the doubling of capacity on these thoroughfares as vehicles evacuate the project site and surrounding areas (specifically surrounding neighborhood communities along Soboba Road, Lake Park Drive, and the Reservation).

As the roadways are currently constructed, this would allow for a total of 4 outbound lanes (2 lanes on Soboba Road and 2 lanes on Lake Park Drive) to be used for an evacuation. The shoulders can also be used as either general public outbound lanes or emergency personnel inbound/outbound lanes. With a capacity of 1,900 vehicles per lane per hour, this would provide for 7,600 vehicles to evacuate the area within one hour (not including shoulders). Assuming the parking area is at 100% maximum occupancy ("worst case" scenario), 5,080 vehicles would be evacuating the project site (assuming every vehicle vacated and people did not forego driving their own personal vehicle to ride in another vehicle/bus). Combined with the surrounding communities on Lake Park Drive and Soboba Road (including north of the project site and south of Lake Park Drive (Reservation)), it is safe to assume that the roadways have the capacity to evacuate the area within approximately one hour time. The number of vehicles expected to evacuate the project site is projected to be much less during off-peak hours and when "special events" are not occurring.

MONITORING

A follow-up monitoring program should be used to determine the effectiveness of the transportation management plan. Peak periods should be monitored in order to make changes to the transportation management plan to improve operating conditions, if necessary.

It has been a pleasure to service your needs on this project. Should you have any questions or if we can be of further assistance, please do not hesitate to call at (714) 973-8383.

Sincerely,

KUNZMAN ASSOCIATES , INC.

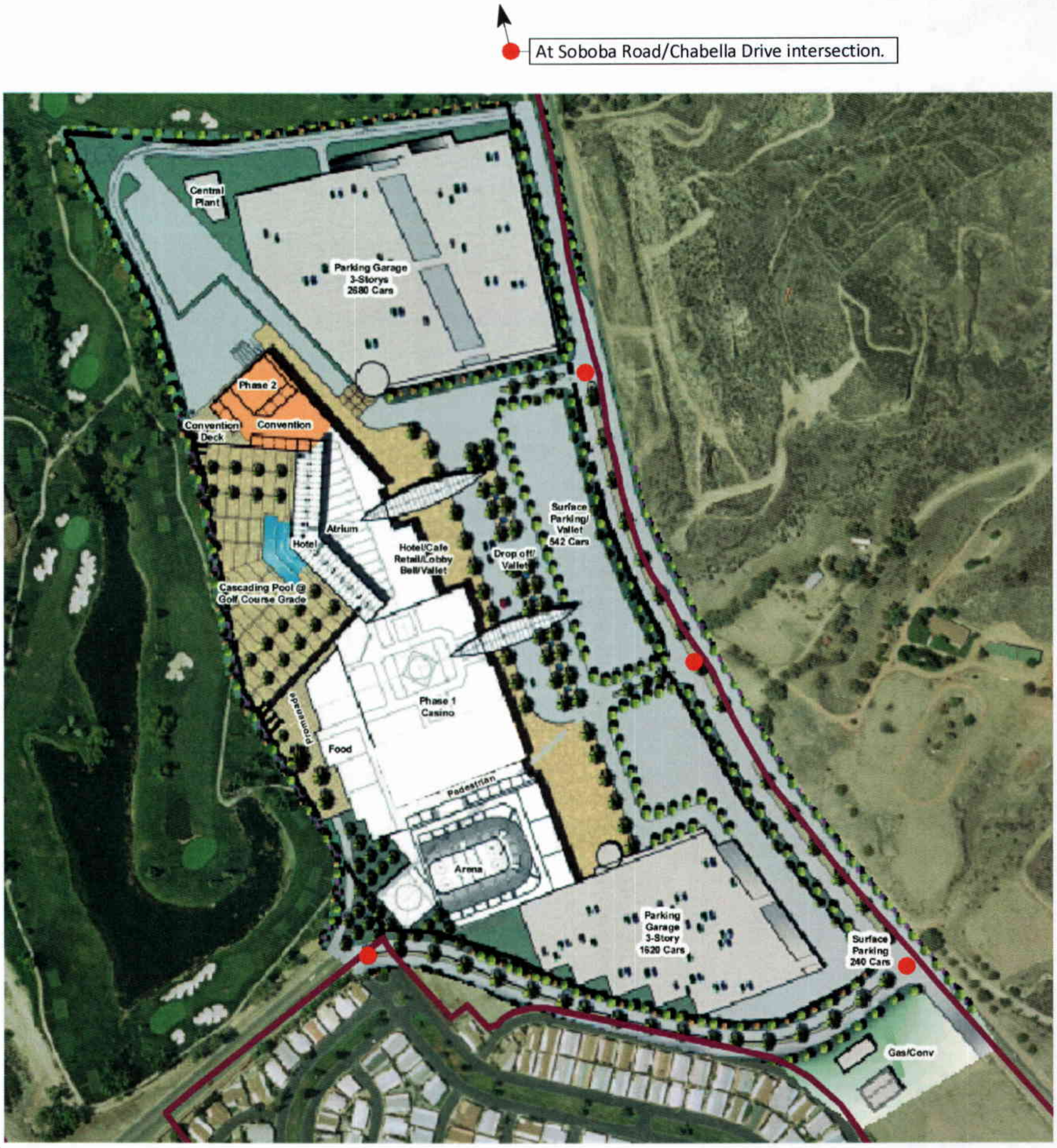
Carl Ballard
Principal Associate

KUNZMAN ASSOCIATES, INC.

William Kunzman, P.E.
Principal

#4430d

Figure 1
Proposed Action "A" Site Plan



Legend

● = Traffic Directing Personnel/Police

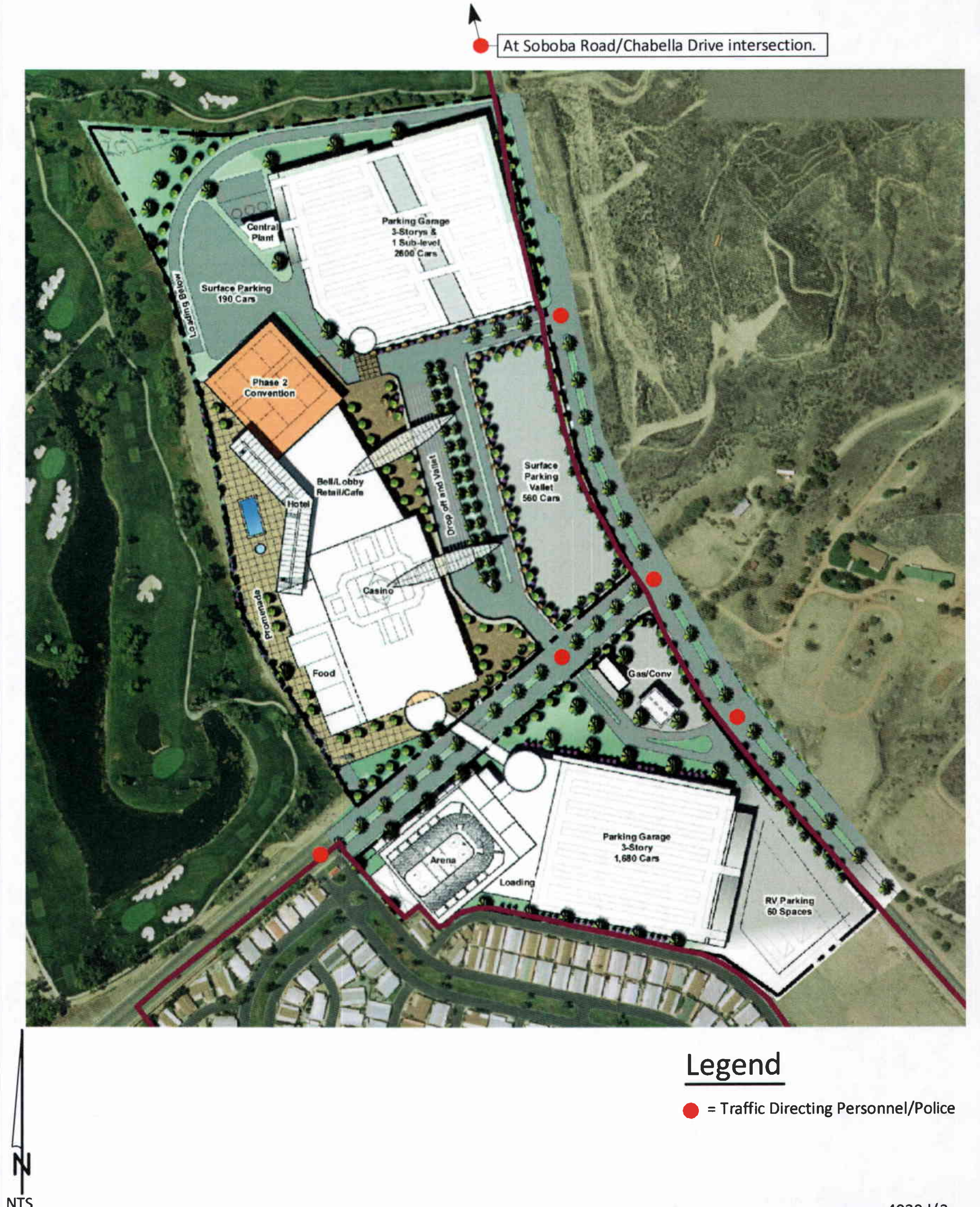
N
NTS

KUNZMAN ASSOCIATES, INC.

4030d/1

OVER 30 YEARS OF EXCELLENT SERVICE

Figure 2
Proposed Action "B" Site Plan

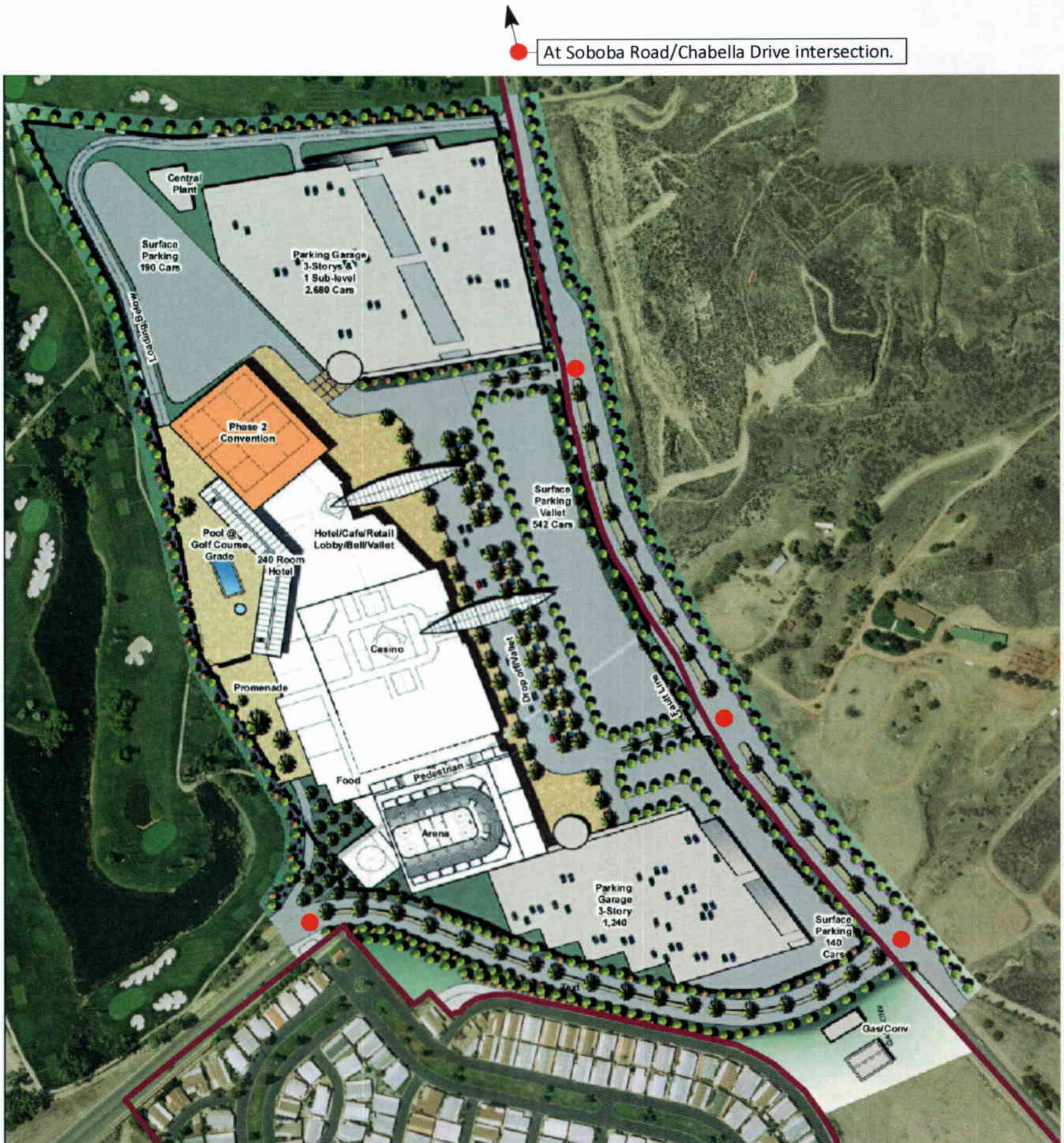


KUNZMAN ASSOCIATES, INC.

OVER 30 YEARS OF EXCELLENT SERVICE

4030d/2

Figure 3
Alternative 1 Site Plan



N
NTS

Legend

● = Traffic Directing Personnel/Police

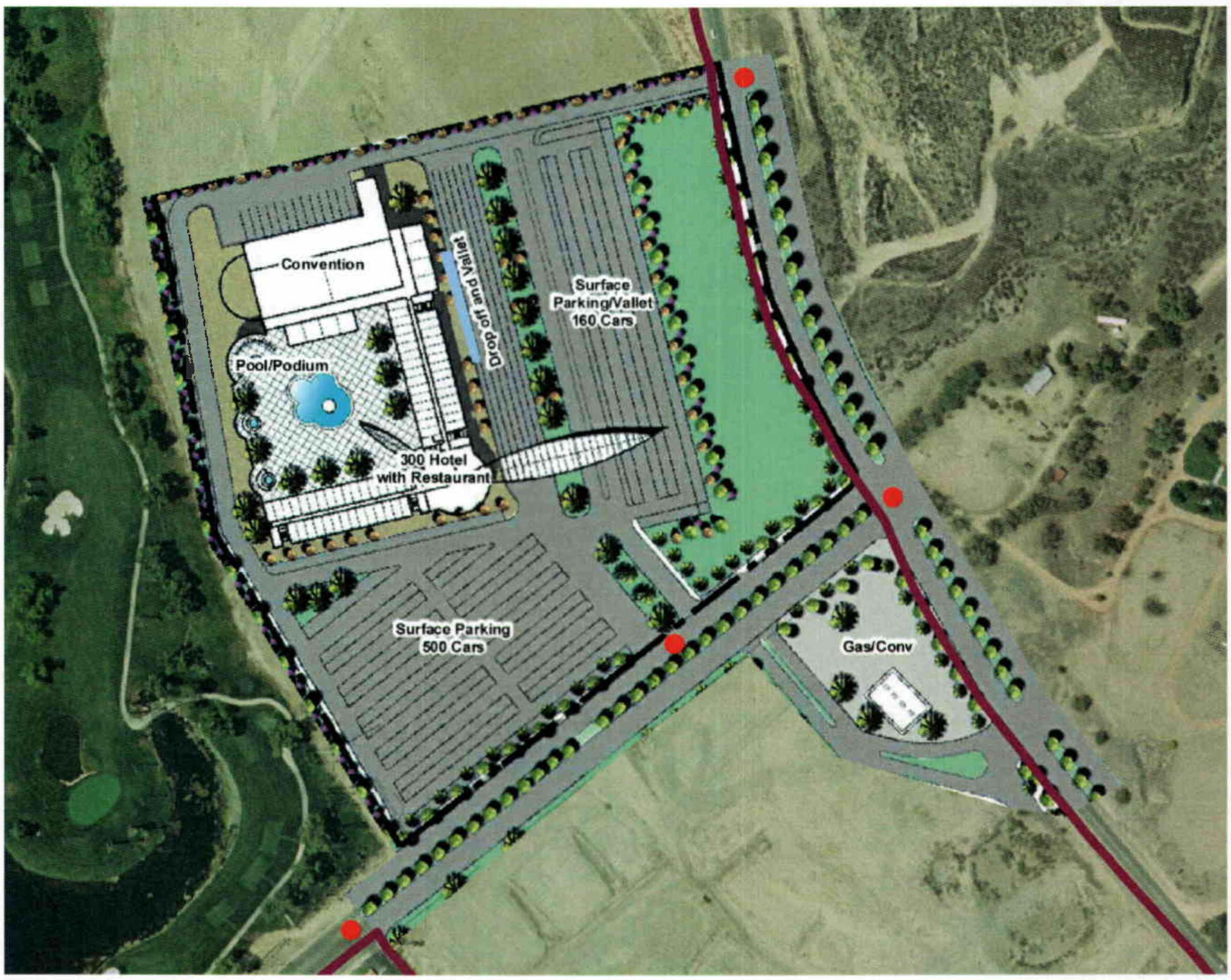
4030d/3

KUNZMAN ASSOCIATES, INC.

OVER 30 YEARS OF EXCELLENT SERVICE

Figure 4
Alternative 2 Site Plan

At Soboba Road/Chabella Drive intersection.



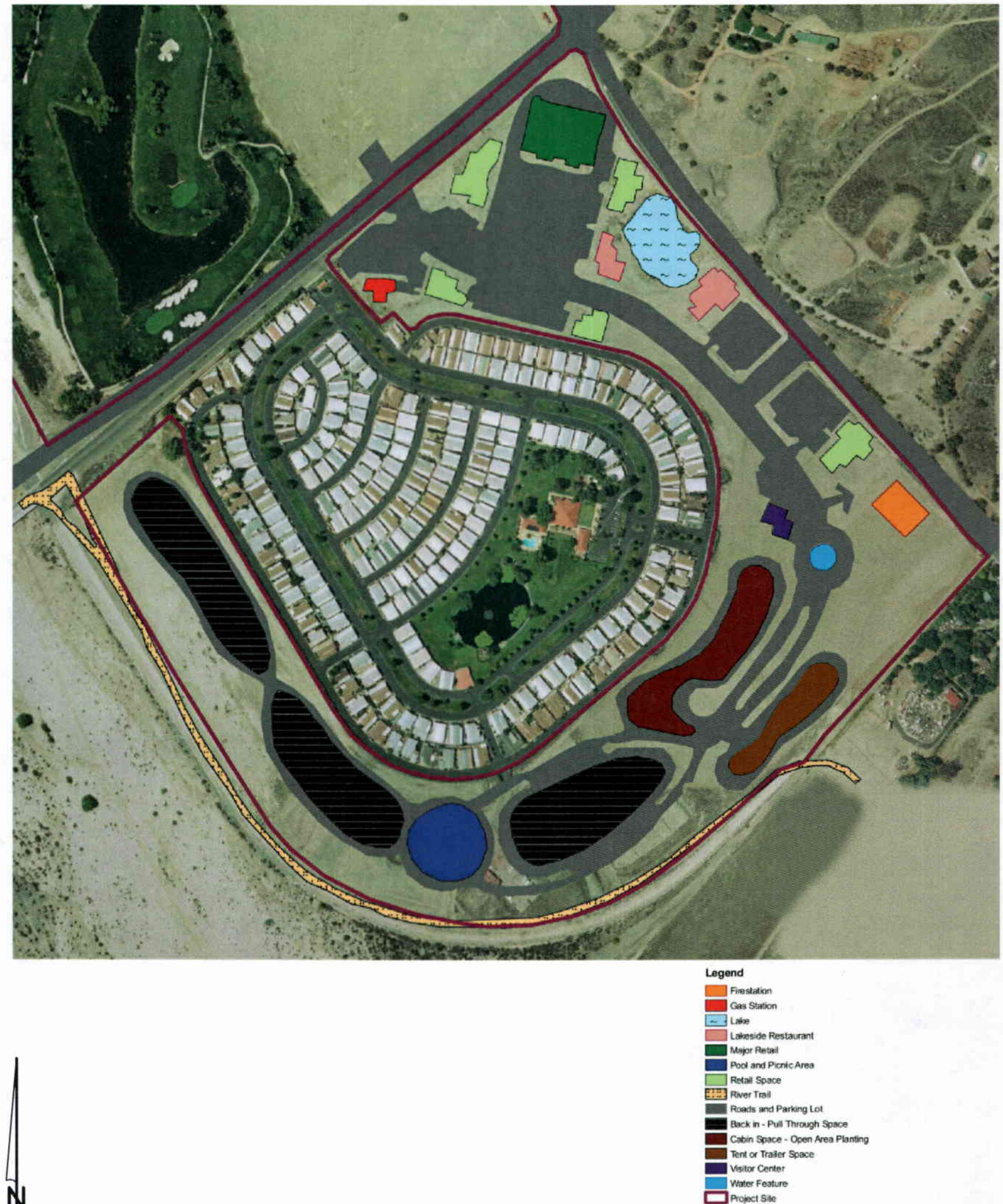
Legend

● = Traffic Directing Personnel/Police

N
NTS

4030d/4

Figure 5
Alternative 3 Site Plan



4030d/5

KUNZMAN ASSOCIATES, INC.

OVER 30 YEARS OF EXCELLENT SERVICE

APPENDIX A

GLOSSARY OF TRANSPORTATION TERMS

GLOSSARY OF TRANSPORTATION TERMS

COMMON ABBREVIATIONS

AC:	Acres
ADT:	Average Daily Traffic
Caltrans:	California Department of Transportation
DU:	Dwelling Unit
ICU:	Intersection Capacity Utilization
LOS:	Level of Service
TSF:	Thousand Square Feet
V/C:	Volume/Capacity
VMT:	Vehicle Miles Traveled

TERMS

AVERAGE DAILY TRAFFIC: The total volume during a year divided by the number of days in a year. Usually only weekdays are included.

BANDWIDTH: The number of seconds of green time available for through traffic in a signal progression.

BOTTLENECK: A constriction along a travelway that limits the amount of traffic that can proceed downstream from its location.

CAPACITY: The maximum number of vehicles that can be reasonably expected to pass over a given section of a lane or a roadway in a given time period.

CHANNELIZATION: The separation or regulation of conflicting traffic movements into definite paths of travel by the use of pavement markings, raised islands, or other suitable means to facilitate the safe and orderly movements of both vehicles and pedestrians.

CLEARANCE INTERVAL: Nearly same as yellow time. If there is an all red interval after the end of a yellow, then that is also added into the clearance interval.

CORDON: An imaginary line around an area across which vehicles, persons, or other items are counted (in and out).

CYCLE LENGTH: The time period in seconds required for one complete signal cycle.

CUL-DE-SAC STREET: A local street open at one end only, and with special provisions for turning around.

DAILY CAPACITY: The daily volume of traffic that will result in a volume during the peak hour equal to the capacity of the roadway.

DELAY: The time consumed while traffic is impeded in its movement by some element over which it has no control, usually expressed in seconds per vehicle.

DEMAND RESPONSIVE SIGNAL: Same as traffic-actuated signal.

DENSITY: The number of vehicles occupying in a unit length of the through traffic lanes of a roadway at any given instant. Usually expressed in vehicles per mile.

DETECTOR: A device that responds to a physical stimulus and transmits a resulting impulse to the signal controller.

DESIGN SPEED: A speed selected for purposes of design. Features of a highway, such as curvature, superelevation, and sight distance (upon which the safe operation of vehicles is dependent) are correlated to design speed.

DIRECTIONAL SPLIT: The percent of traffic in the peak direction at any point in time.

DIVERSION: The rerouting of peak hour traffic to avoid congestion.

FORCED FLOW: Opposite of free flow.

FREE FLOW: Volumes are well below capacity. Vehicles can maneuver freely and travel is unimpeded by other traffic.

GAP: Time or distance between successive vehicles in a traffic stream, rear bumper to front bumper.

HEADWAY: Time or distance spacing between successive vehicles in a traffic stream, front bumper to front bumper.

INTERCONNECTED SIGNAL SYSTEM: A number of intersections that are connected to achieve signal progression.

LEVEL OF SERVICE: A qualitative measure of a number of factors, which include speed and travel time, traffic interruptions, freedom to maneuver, safety, driving comfort and convenience, and operating costs.

LOOP DETECTOR: A vehicle detector consisting of a loop of wire embedded in the roadway, energized by alternating current and producing an output circuit closure when passed over by a vehicle.

MINIMUM ACCEPTABLE GAP: Smallest time headway between successive vehicles in a traffic stream into which another vehicle is willing and able to cross or merge.

MULTI-MODAL: More than one mode; such as automobile, bus transit, rail rapid transit, and bicycle transportation modes.

OFFSET: The time interval in seconds between the beginning of green at one intersection and the beginning of green at an adjacent intersection.

PLATOON: A closely grouped component of traffic that is composed of several vehicles moving, or standing ready to move, with clear spaces ahead and behind.

ORIGIN-DESTINATION SURVEY: A survey to determine the point of origin and the point of destination for a given vehicle trip.

PASSENGER CAR EQUIVALENTS (PCE): One car is one Passenger Car Equivalent. A truck is equal to 2 or 3 Passenger Car Equivalents in that a truck requires longer to start, goes slower, and accelerates slower. Loaded trucks have a higher Passenger Car Equivalent than empty trucks.

PEAK HOUR: The 60 consecutive minutes with the highest number of vehicles.

PRETIMED SIGNAL: A type of traffic signal that directs traffic to stop and go on a predetermined time schedule without regard to traffic conditions. Also, fixed time signal.

PROGRESSION: A term used to describe the progressive movement of traffic through several signalized intersections.

SCREEN-LINE: An imaginary line or physical feature across which all trips are counted, normally to verify the validity of mathematical traffic models.

SIGNAL CYCLE: The time period in seconds required for one complete sequence of signal indications.

SIGNAL PHASE: The part of the signal cycle allocated to one or more traffic movements.

STARTING DELAY: The delay experienced in initiating the movement of queued traffic from a stop to an average running speed through a signalized intersection.

TRAFFIC-ACTUATED SIGNAL: A type of traffic signal that directs traffic to stop and go in accordance with the demands of traffic, as registered by the actuation of detectors.

TRIP: The movement of a person or vehicle from one location (origin) to another (destination). For example, from home to store to home is two trips, not one.

TRIP-END: One end of a trip at either the origin or destination; i.e. each trip has two trip-ends. A trip-end occurs when a person, object, or message is transferred to or from a vehicle.

TRIP GENERATION RATE: The quality of trips produced and/or attracted by a specific land use stated in terms of units such as per dwelling, per acre, and per 1,000 square feet of floor space.

TRUCK: A vehicle having dual tires on one or more axles, or having more than two axles.

UNBALANCED FLOW: Heavier traffic flow in one direction than the other. On a daily basis, most facilities have balanced flow. During the peak hours, flow is seldom balanced in an urban area.

VEHICLE MILES OF TRAVEL: A measure of the amount of usage of a section of highway, obtained by multiplying the average daily traffic by length of facility in miles.

Appendix AD:

Will-Serve Letters

SOUTHERN CALIFORNIA
EDISON
An EDISON INTERNATIONAL Company

September 7, 2006

Honorable Robert Salgado, Sr.
Tribal Chairman of the Soboba Band of Luiseño Indians
Soboba Tribal Administration Building
23904 Soboba Road
P.O. Box 487
San Jacinto, CA 92581

SUBJECT: Will Serve Letter

Dear Chairman Salgado:

SCE recognizes the Tribe's proposal to convey 34 parcels (see Page 2), 534.91± acres of tribally owned property to federal trust status, and to develop a portion of that property into a destination hotel/casino complex. This is to advise that the subject property is located within the service territory of the Southern California Edison Company (SCE).

Our total system demand is expected to continue to increase annually; however, excluding any unforeseen problems, our plans for new distribution resources indicate that our ability to serve all customers' loads in accordance with our rules and tariffs will be adequate during the decade of the 2000's.

Current conservation efforts on the part of SCE customers have resulted in energy savings. Optimization of conservation measures in this project will contribute to the overall energy savings goal.

If you have any additional questions, please feel free to call me at (951) 928-8323.

Sincerely,

Lyle Treend
Customer Service Planner

26100 Menifee
Romoland 92585

SOUTHERN CALIFORNIA
EDISON
An EDISON INTERNATIONAL Company

Project Site Parcels

Parcel #	APN	Acreage
1	433-120-023	3.25
2	433-140-030	29.15
3	433-140-001	4.94
4	433-140-024	0.43
5	433-140-026	3.09
6	433-140-020	68.64
7	433-140-042	0.45
8	433-140-044	1.96
9	433-140-045	1.18
10	433-140-046	1.30
11	433-140-047	1.41
12	433-140-048	2.05
13	433-140-049	1.17
14	433-120-009	2.30
15	433-120-008	7.87
16	433-100-013	4.46
17	433-100-002	0.68
18	433-100-014	6.25
19	433-080-002	43.12
20	433-080-005	0.50
21	433-080-006	4.59
22	433-080-007	35.97
23	433-080-010	7.47
24	433-080-011	4.41
25	430-030-013	53.77
26	430-030-015	16.00
27	430-030-016	38.70
28	430-030-017	40.50
29	433-100-015	39.18
30	433-110-013	3.72
31	433-120-031	76.39
32	433-140-022	0.15
33	433-140-031	1.71
34	433-140-041	28.15

26100 Menifee
Romoland 92585

CR&R

April 24, 2008

Honorable Robert Salgado, Sr.
Tribal Chairman of the Soboba Band of Luiseño Indians
Soboba Tribal Administration Building
23904 Soboba Road
P.O. Box 487
San Jacinto, CA 92581

Dear Chairman Salgado:

CR&R recognizes the Tribe's proposal to convey 34 parcels, 534.91 ± acres of tribally owned property to federal trust status, and to develop a portion of that property into a destination hotel/casino complex. CR&R maintains an existing contract with the Soboba Springs Country Club and Golf Course, which resides on the subject property, for weekly pickup and haul-away services.

CR&R facilities have the capacity to service the Tribe's proposal and absorb the solid waste generated from the proposed developments. CR&R and the tribe will continue consultations to finalize a service contract and at that time, will issue a Final Will Serve Letter to the Tribe. This document is considered a Draft Will Serve Letter that acknowledges the Tribe's proposal and CR&R's capacity to service said proposal.

Sincerely,

Ed Campos
General Manager, CR&R Inc.

CR&R INCORPORATED
P.O. BOX 1208
PERRIS, CA 92572
1706 GOETZ ROAD
PERRIS, CA 92570
951.943.1991
951.657.5493 Fax
WWW.CRRINC.NET

The Gas Company

A Sempra Energy utility

Southern California
Gas Company
1981 W. Lugonia Avenue
Redlands, CA 92374-9720

Mailing Address:
PO Box 3003
Redlands, CA 92373-0306

June 27, 2008 **Gas Co. Ref. No. RCO 4164**

Entrix, Inc.
12009 N. E. 99th Street, Suite 1410
Vancouver, WA 98682-2497

Attention: Katie Clifford
Re: Will Serve – Plan Soboba Property

Area: City of San Jacinto

Thank you for inquiring about the availability of natural gas for your project. We are pleased to inform you that Southern California Gas Company has facilities in the area where the above-named project is proposed. Gas service to the project could be provided from the nearest existing, **3"main located in Soboba Rd. (Cross street./Lake Park Dr.)** The service would be in accordance with the Company's policies and extension rules on file with the California Public Utilities Commission at the time contractual arrangements are made.

This letter is not a contractual commitment to serve the proposed project, but is only provided as an informational service. The availability of natural gas service is based upon conditions of gas supply and regulatory agencies. As a public utility, Southern California Gas Company is under the jurisdiction of the California Public Utilities Commission. Our ability to serve can also be affected by actions of federal regulatory agencies. Should these agencies take any action, which affects gas supply, or the conditions under which service is available, gas service will be provided in accordance with revised conditions. This letter is also provided without considering any conditions or non-utility laws and regulations (such as environmental regulations) which could affect actual construction of a main or service line extension (for example, if hazardous wastes were encountered in the process of installing the line). Those, of course, can only be determined around the time contractual arrangements are made and construction is begun.

If you need assistance choosing the appropriate gas equipment for your project, or would like to discuss the most effective applications of energy efficiency techniques, please contact your area Project Manager at (909) 335-7629.

Thank you again for choosing clean, reliable, and safe natural gas, your best energy value.

Sincerely,

Richard Isaacs
Technical Services Supervisor

Cc: Alan Keseloff, Project Manager
Enc./tlr