

ENVIRONMENTAL RECORD SEARCH

for the site

OWENS LAKE PM, LONE PINE

performed for

SAPPHOS ENVIROMENTAL, INC.

12-12-2006

SAPP3412

INTRODUCTION

This document, prepared on 12-12-2006 at the request of SAPPHOS ENVIROMENTAL, INC., reports the findings of BBL's investigation of environmental concerns in the vicinity of Owens Lake Pm, Lone Pine CA.

No records of concerns were identified.

The report is divided into the following segments:

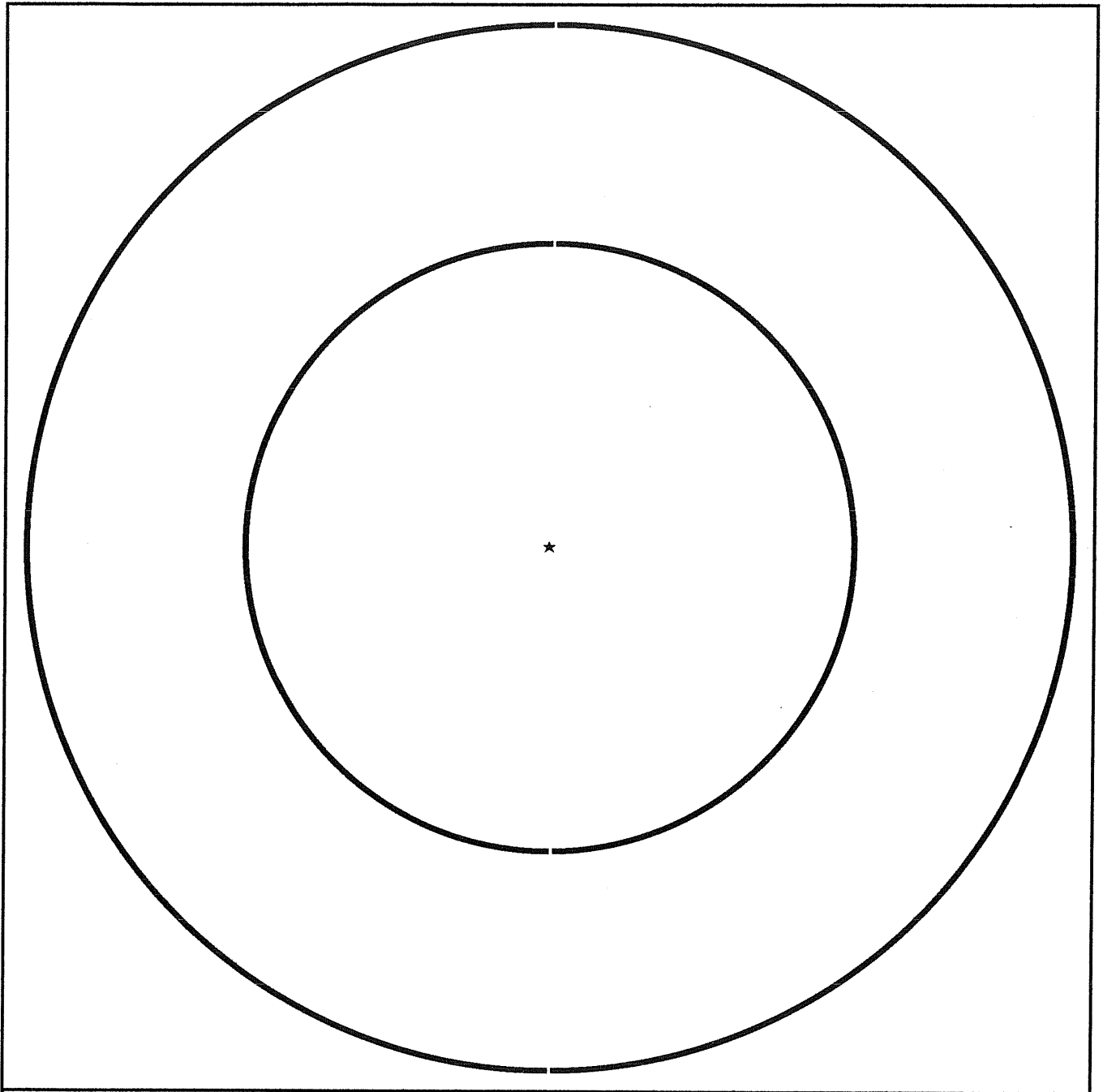
- ◆ Overview Table - An overview of all the identified records of concern summarized by distance and source.
- ◆ Topographic Map - of the surrounding area of the subject site.
- ◆ Contour Map - of the surrounding area of the subject site.
- ◆ Present Aerial Photograph - of the surrounding area of the subject site.
- ◆ Summary - listing of the identified records grouped by site and in order of distance to the subject property for each of the categories Known Environmental Concerns and Operating Permits Only.
- ◆ Detailed Report - describing the sources investigated and the resulting findings.
- ◆ Fire Insurance Map review - describing the area of the subject site.






SUBJECT SITE INFORMATION

Address City	OWENS LAKE PM LONE PINE CA 93545	County	Inyo
Present Tenant	N/A	Latitude Longitude	36° 25' 48" 117° 55' 59"
		Easting Northing Zone	416353m 4031839m 11

Environmental Concerns	Page	Search Dist	Site	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1/1	area	un kwn	total
National Priority List	1	1 mile								
CERCLIS	1	1 mile								
NFRAP	1	1 mile								
Federal Facilities	2	1 mile								
Emergency Response Notification System	2	1/2 mile								
Hazardous Material Incident Report System	2	subject								
Site Enforcement Tracking System	2	1 mile								
Enforcement Docket (DOCKET/CDETS)	3	1/2 mile								
C-Docket	3	1/2 mile								
RCRA Violators List	3	1 mile								
RCRA - TSD Facilities	3	1 mile								
Federal Enforcement Dockets	3	1 mile								
Annual Work Plan	4	1 mile								
CALSITES	4	1 mile								
Voluntary Cleanup Program	5	1/2 mile								
Properties Needing Further Evaluation	5	1/2 mile								
Referred Unconfirmed Properties	5	1/2 mile								
School Property Evaluation Program	5	1/2 mile								
SMBRPD Land Use Restrictions	6	1/2 mile								
HWMP Deed/Land Use Restrictions	6	1/2 mile								
CALSITES - No Further Action	6	1/2 mile								
Cortese	6	1 mile								
Leaking Underground Storage Tanks	7	1 mile								
Solid Waste Information System	7	1 mile								
Well Investigation Program	7	1 mile								
Drinking Water Program	7	1 mile								
Toxic Releases	8	1 mile								
Toxic Pits	8	1 mile								
Solid Waste Assessment Test - Regional	8	1 mile								
Environmental Concern References										
Environmental Concern Sites										
Operating Permits										
RCRA Generators	9	1/2 mile								
SARA Title III, section 313 (TRIS)	9	1/2 mile								
Nuclear Regulatory Commission Licensees	9	1/2 mile								
PCB Waste Handlers Database	10	1/2 mile								
Permit Compliance System (PCS)	10	1/2 mile								
AIRS Facility System (AFS)	10	1/2 mile								
Section Seven Tracking System	10	1/2 mile								
FIFRA/TSCA tracking system	10	1/2 mile								
Federal Facilities Information System (FFIS)	10	1/2 mile								
Chemicals in Commerce Information System	11	1/2 mile								
FINDS EPA Facility Index System	11	1/2 mile								
Hazardous Waste Information System	11	1/2 mile								
Underground Storage Tanks	11	1/2 mile								
Operating Permits References										
Operating Permits Sites										
Total References										
Total Sites										

* The classification by distance takes into consideration physical property sizes by assuming a standard size.

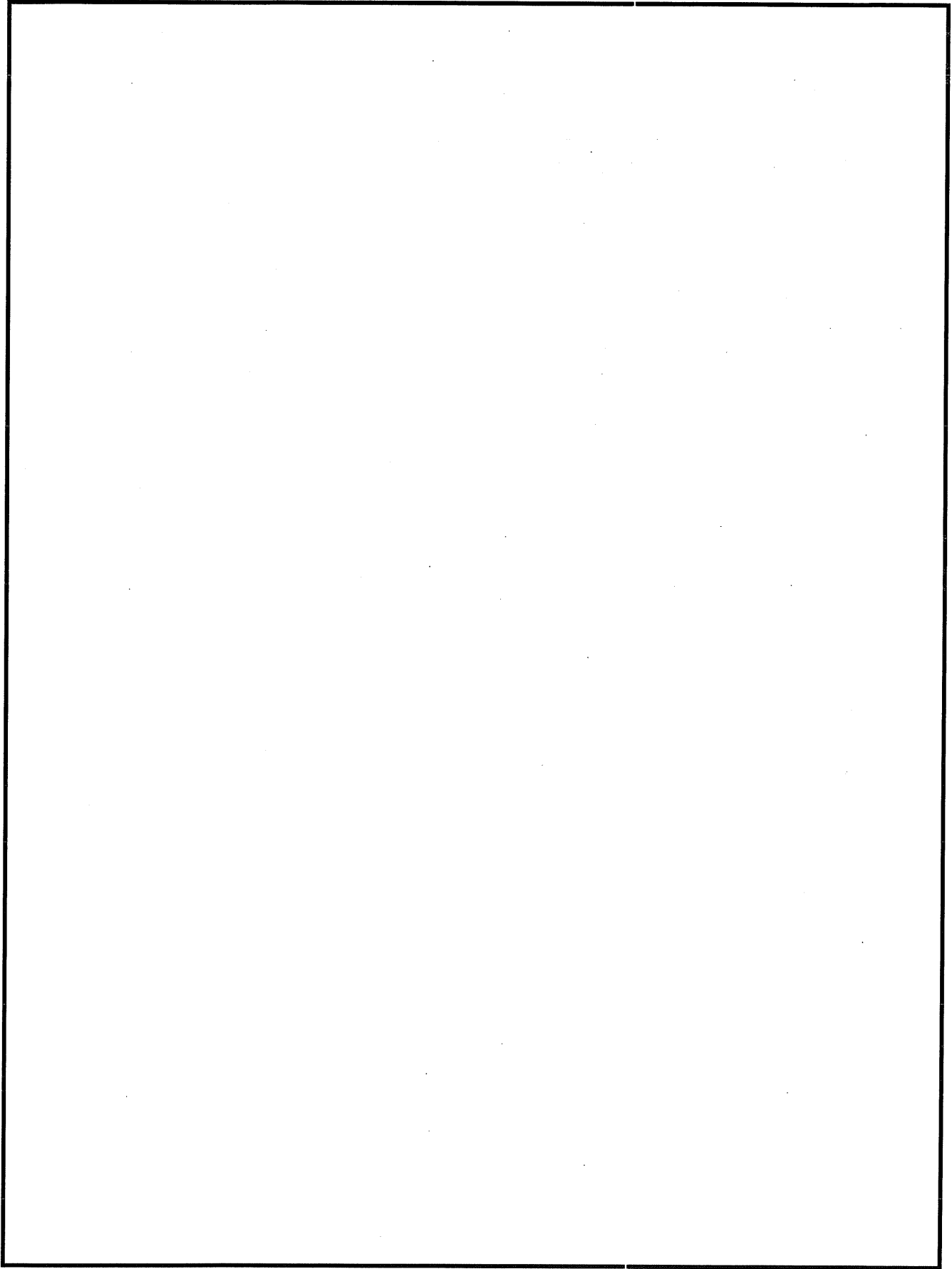


-  ENVIRONMENTAL CONCERNS - HIGH PRIORITY
-  ENVIRONMENTAL CONCERNS
-  ENVIRONMENTAL CONCERNS - WITH A 'NO FURTHER ACTION' STATUS'
-  OPERATING PERMITS ONLY
-  WATER WELLS

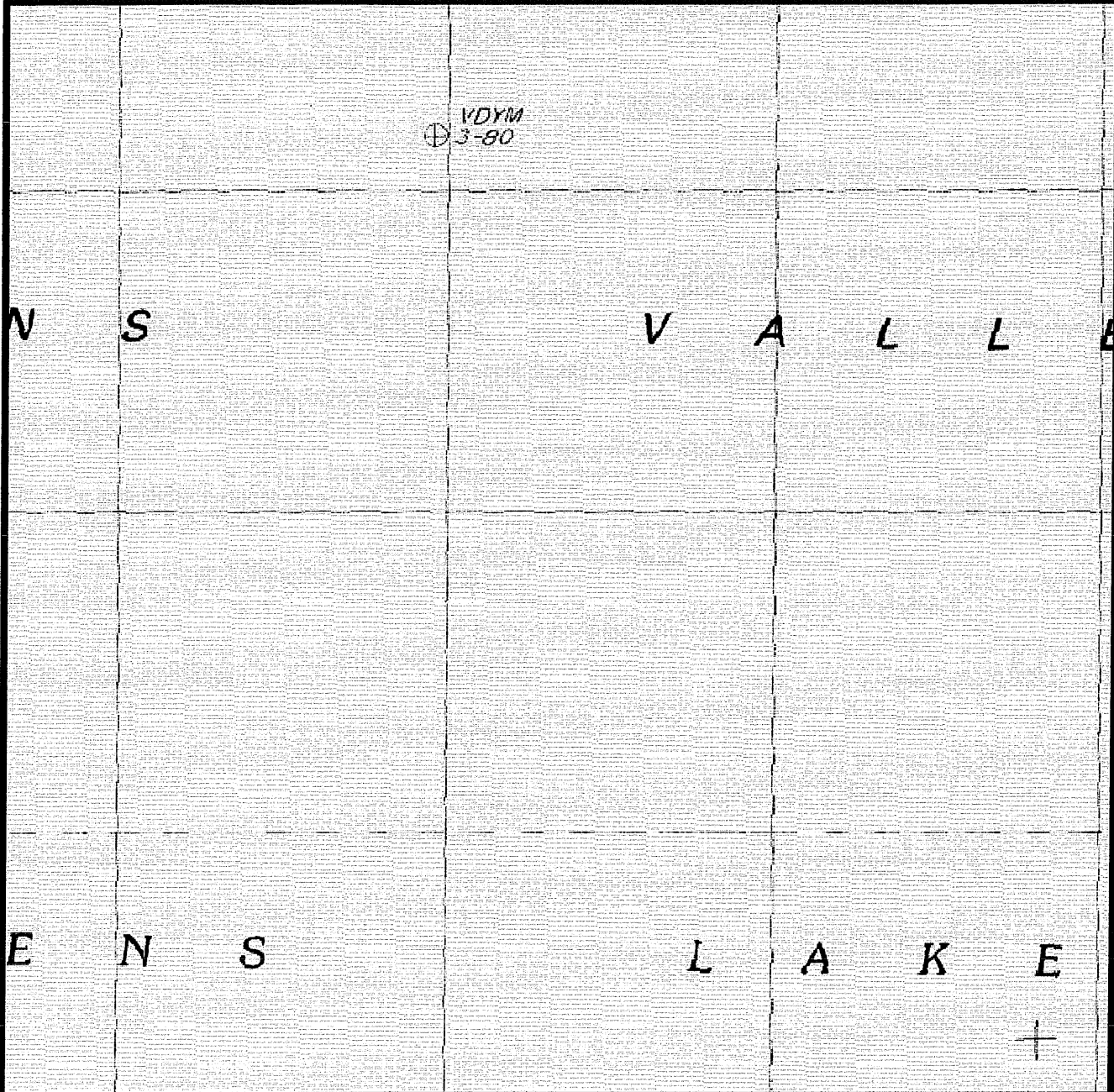
2.7 inches to 1 mile (the circles do not include any buffer zone)



APPROXIMATE LOCATION OF IDENTIFIED SITES IN THE VICINITY OF SUBJECT SITE
AT OWENS LAKE PM, LONE PINE



INDEX OF SITES LISTED BY MAP NUMBERS



Scale: 1.6 inches to 1/2 mile



UTM North is straight up

Longitude: -117° 55' 59.3"

Latitude: 36° 25' 47.7"

UTM Easting: 416353 meters

UTM Northing: 4031839 meters

UTM Zone: NAD 11

County: INYO

AREA RADON ESTIMATES

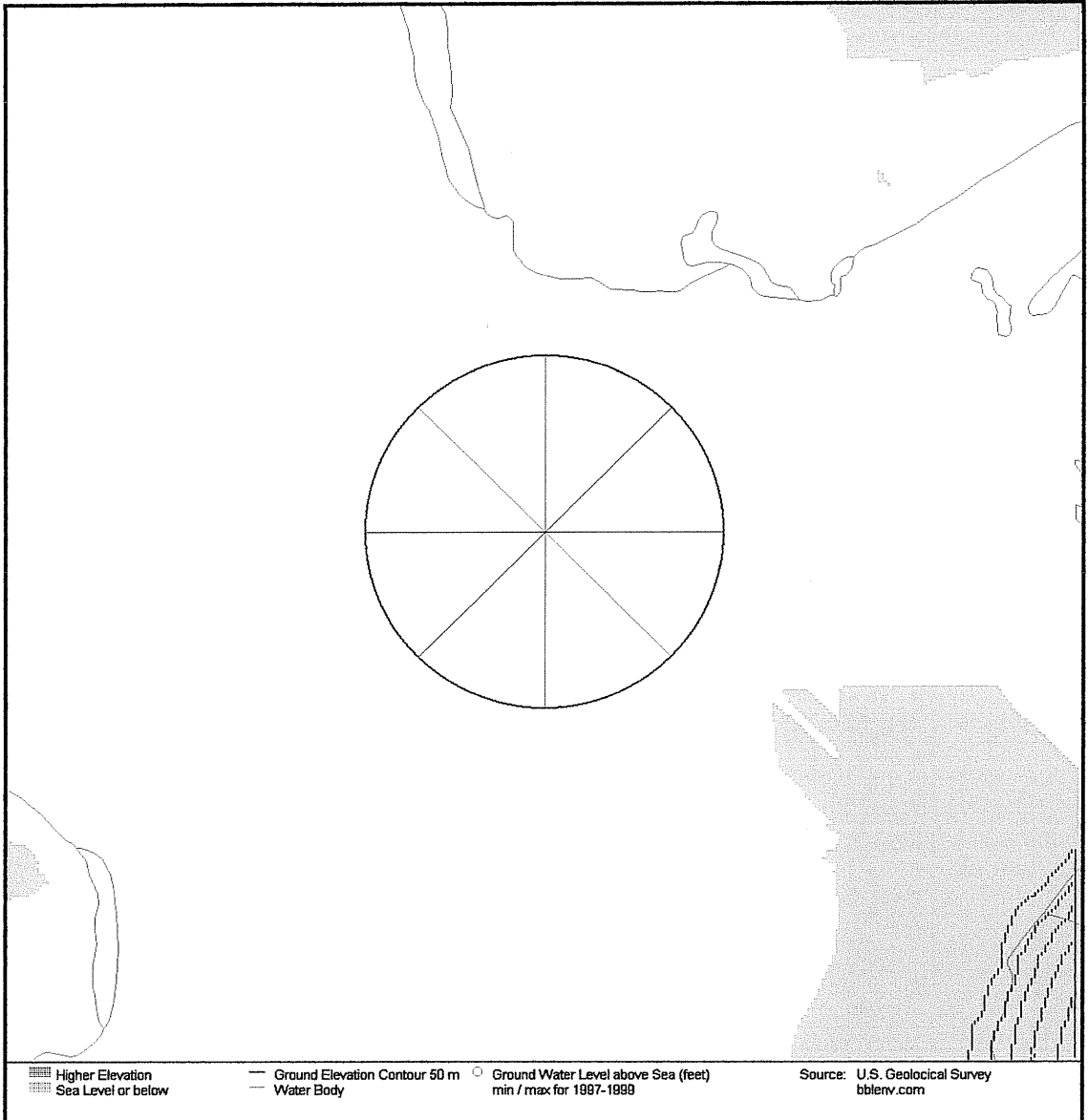
INYO County (1 sites tested)

<2	pCi/L	00.0%
2-4	pCi/L	0.0%
4-8	pCi/L	0.0%
8-20	pCi/L	0.0%
20 >	pCi/L	0.0%

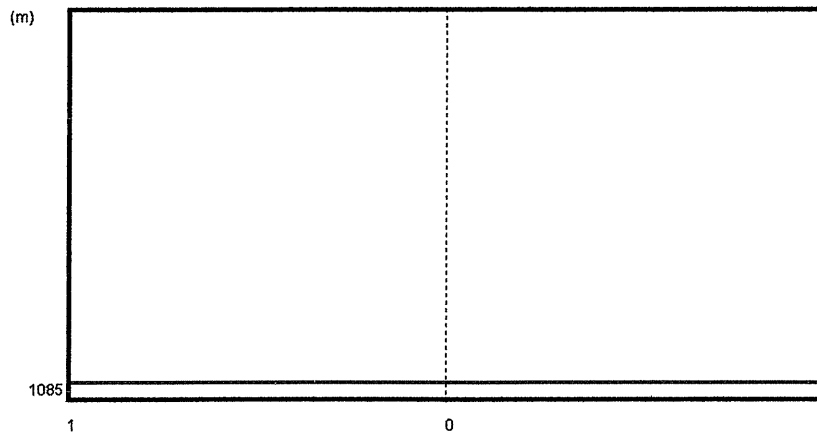
Source: U.S. Dept of Interior, Geological Survey

OWENS LAKE [CA] 1987

TOPOGRAPHIC MAP OF THE VICINITY OF THE SUBJECT SITE LOCATED AT OWENS LAKE PM, LONE PINE



Elevation Contour overview map (6*6 mile)



Elevation Profiles (±1 mile)

CONTOUR DATA IN THE VICINITY OF THE SUBJECT SITE LOCATED AT OWENS LAKE PM, LONE PINE



Scale: 1 inch to 528 feet



UTM North is straight up

Longitude: -117° 55' 59.1"

Latitude: 36° 25' 47.7"

UTM Easting: 416358 meters

UTM Northing: 4031840 meters

UTM Zone: NAD 11

County: INYO

Project:

Quadrangle:

Date: 5/28/1994

Film Type: Black & White

Source: U.S. Dept of Interior, Geological Survey

AERIAL PHOTOGRAPH OF THE VICINITY OF THE SUBJECT SITE LOCATED AT
OWENS LAKE PM, LONE PINE

ENVIRONMENTAL RECORD SEARCH
SUMMARY

KNOWN ENVIRONMENTAL CONCERNS
OWENS LAKE PM, LONE PINE CA

Page: 1
Job : SAPP3412
Date: 12-12-2006

ADDRESS

CITY

LOCATION

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PAGE

MAP

LOC

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OPERATING PERMITS ONLY
OWENS LAKE PM, LONE PINE CA

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ADDRESS

CITY

LOCATION

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PAGE LOC DIR

REFERENCED SOURCES

Job : SAPP3412
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FEDERAL SOURCES

NPL NATIONAL PRIORITY LIST (10/1/06)
 CERCLA CERCLIS (10/1/06)
 NFRAP NFRAP (10/1/06)
 FedFac FEDERAL FACILITIES (10/1/06)
 ERNS EMERGENCY RESPONSE NOTIFICATION SYSTEM
 HM HAZARDOUS MATERIAL INCIDENT REPORT SYSTEM (2005)
 SETS SITE ENFORCEMENT TRACKING SYSTEM (2005)
 CDETS ENFORCEMENT DOCKET (DOCKET/CDETS) (10/1/06)
 CD C-DOCKET (10/1/06)
 RV RCRA VIOLATORS LIST (10/06)
 TSD RCRA - TSD FACILITIES (10/06)
 I Incinerator D Land Disposal T Storage/Treatment
 FD FEDERAL ENFORCEMENT DOCKETS

CALIFORNIA STATE SOURCES

AnnWrk ANNUAL WORK PLAN (10/22/06)
 BKLG Backlog DLST Delisted from the AWP AWP Active AWP site
 REFRW Referred to the RWQB COM Certified, maint mode REFRC Referred to RCRA
 CERT Certified after remediation
 CalSite CALSITES (10/22/06)
 VC VOLUNTARY CLEANUP PROGRAM (10/22/06)
 FE PROPERTIES NEEDING FURTHER EVALUATION (10/22/06)
 RF REFERRED UNCONFIRMED PROPERTIES (10/22/06)
 SC SCHOOL PROPERTY EVALUATION PROGRAM (10/22/06)
 LU SMBRPD LAND USE RESTRICTIONS (10/22/06)
 DR HWMP DEED/LAND USE RESTRICTIONS (10/22/06)
 CS-nfa CALSITES - NO FURTHER ACTION (10/22/06)
 CS CORTESE (1/06)
 LUST LEAKING UNDERGROUND STORAGE TANKS (10/06)
 0 No action 3B Prel site assmnt underway 7 Remedial action underway
 1 Leak being confirmed 5C Pollution characterization 8 Post remedial action monitoring
 3A Site workplan submitted 5R Remediation plan 9 Case closed
 SWIS SOLID WASTE INFORMATION SYSTEM (10/06)
 WIP WELL INVESTIGATION PROGRAM
 WQ DRINKING WATER PROGRAM (2002)

REGIONAL SOURCES

NT TOXIC RELEASES (01/06)
 TP TOXIC PITS (01/06)
 SR SOLID WASTE ASSESSMENT TEST - REGIONAL (01/03)

OPERATING PERMITS

RCRA RCRA GENERATORS (03/06)
 L Large Generator T Transporter S Small Generator
 SARA SARA TITLE III, SECTION 313 (TRIS) (2005)
 Nucl NUCLEAR REGULATORY COMMISSION LICENSEES (01/06)
 PCB PCB WASTE HANDLERS DATABASE (01/06)
 PCS PERMIT COMPLIANCE SYSTEM (PCS) (01/06)
 AFS AIRS FACILITY SYSTEM (AFS) (01/06)
 PE SECTION SEVEN TRACKING SYSTEM (01/06)
 FIFRA FIFRA/TSCA TRACKING SYSTEM (01/06)
 FIFS FEDERAL FACILITIES INFORMATION SYSTEM (FFIS) (01/06)
 CIGIS CHEMICALS IN COMMERCE INFORMATION SYSTEM (01/06)
 FN FINDS EPA FACILITY INDEX SYSTEM (01/06)
 HWIS HAZARDOUS WASTE INFORMATION SYSTEM (1984-2005)
 UST UNDERGROUND STORAGE TANKS

ENVIRONMENTAL RECORD SEARCH
LISTED BY SOURCE

INTRODUCTION

BBL has used its best effort but makes no claims as to the completeness or accuracy of the referenced government sources or the completeness of the search. Our records are frequently updated but only as current as their publishing date and may not represent the entire field of known or potential hazardous waste or contaminated sites. To ensure complete coverage of the subject property and surrounding area, sites may be included in the list if there is any doubt as to the location because of discrepancies in map location, zip code, address, or other information in our sources. For additional information call 858 793-0641.

In accordance with ASTM E-1527-05, the following government sources have been searched for sites at the street address, unless otherwise stated, of the subject location.

FEDERAL SOURCES

NPL National Priority List

EPA has prioritized sites with significant risk to human health and the environment. These sites receive remedial funding under the Comprehensive Environmental Response Conservation and Liability Act (CERCLA).

No listings within 1 mile radius of the subject site.

CERCLIS Comprehensive Environmental Response, Compensation, and Liability Information System

CERCLIS is a database used by the EPA to track activities conducted under the Comprehensive Environmental Response and Liability Act CERCLA (1980) and the amendment the Superfund Amendments and Reauthorization Act SARA (1986).

Sites to be included are identified primarily by the reporting requirements of hazardous substances Treatment, Storage and Disposal (TSD) facilities and releases larger than specific Reportable Quantities (RQ), established by EPA.

Using the National Oil and hazardous Substance Pollution Contingency Plan(National Contingency Plan) the EPA set priorities for cleanup.

The EPA rates National Contingency Plan sites according to a quantitative Hazard Ranking System (HRS) based on the potential health risk via any one or more pathways: groundwater, surface water, air, direct contact, and fire/explosion.

The EPA and state agencies seek to identify potentially responsible parties(PRP) and ultimately Responsible Parties (RP) who can be required to finance cleanup activities, either directly or through reimbursement of federal Superfund expenditures.

No listings within 1 mile radius of the subject site.

NFRAP No Further Remedial Action Planned sites (CERCLIS)

As of February 1995, CERCLIS sites designated 'No Further Remedial Action Planned' NFRAP have been removed from CERCLIS. NFRAP sites may be sites where, following an initial investigation, no contamination was found, contamination was removed quickly without the site being placed on the NPL, or the contamination was not serious enough to require Federal Superfund action or NPL consideration.

EPA has removed these NFRAP sites from CERCLIS to lift unintended barriers to the redevelopment of these properties. This policy change is part of EPA's Brownfields Redevelopment Program to help cities, states, private investors and affected citizens promote economic redevelopment of unproductive urban sites.

No listings within 1 mile radius of the subject site.

FEDFAC Federal Facilities

As part of the CERCLA program, federal facilities with known or suspected environmental problems, the Federal Facilities Hazardous Waste Compliance Docket is tracked separately to comply with a Federal Court order.

No listings within 1 mile radius of the subject site.

ERNS Emergency Response Notification System

The ERNS is a national computer database used to store information on unauthorized releases of oil and hazardous substances. The program is a cooperative effort of the Environmental Protection Agency, the Department of Transportation Research and Special Program Administration's John Volpe National Transportation System Center and the National Response Center.

There are primarily five Federal statutes that require release reporting the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) section 103; the Superfund Amendments and Reauthorization Act (SARA) Title III Section 304; the Clean Water Act of 1972(CWA) section 311(b)(3); and the Hazardous Material Transportation Act of 1974(HMTA section 1808(b).

No listings within half of a mile radius of the subject site.

HMIRS Hazardous Material Incident Report System

The Hazardous Material Report Incident Report Subsystem HMIRS of the Research and Special Programs Administration (RSPA) Hazardous Material Information System was established in 1971 to fulfill the requirements of the Federal hazardous material transportation law. Part 171 of Title 49, Code of Federal Regulations (49 CFR) contains the incident reporting requirements of carriers of hazardous materials. An unintentional release of hazardous materials meeting the criteria set forth in Section 171.16, 49 CFR, must be reported on DOT Form 5800.1. The data from the reports received are subsequently entered in the HAZMAT database.

No listings within the street address of the subject site.

SETS Site Enforcement Tracking System (SETS)

When expanding Superfund monies at a CERCLA (Comprehensive Environmental Response, Compensation and Liability Act) Site, EPA must conduct a search to identify parties with potential financial responsibility for remediation of uncontrolled hazardous waste sites. EPA regional Superfund Waste Management Staff issue a notice letter to the potentially responsible party (PRP). The status field contains the EPA ID number and name of the site where the actual pollution occurred.

No listings within 1 mile radius of the subject site.

DO Enforcement Docket System (DOCKET)/Consent Decree Tracking System (CDETS)

DOCKET tracks civil judicial cases against environmental polluters, while CDETS processes court settlements, called consent decrees.

No listings within half of a mile radius of the subject site.

CD Criminal Docket System (C-DOCKET)

The Criminal Docket System is a comprehensive automated system for tracking criminal enforcement actions. C-Docket handles data for all environmental statutes and tracks enforcement actions from the initial stages of investigations through conclusion.

No listings within half of a mile radius of the subject site.

RCRA RCRA Violators List (CORRACTS)

The Resource Conservation and Recovery Act of 1976 provides for "cradle to grave" regulation of hazardous wastes. RCRA requires regulation of hazardous waste generators, transporters, and storage/treatment/disposal sites. Evaluation to potential violations, ranging from manifest requirements to hazardous waste discharges, is typically conducted by the US EPA. This database

is also known as Corrective Action Report (CORRACTS)

If enforcement is required, it is typically delegated to a state agency.

No listings within 1 mile radius of the subject site.

RCRA-D Resource Conservation and Recovery Information System - Treatment, Storage & Disposal

The Environmental Protection Agency regulates the treatment, storage and disposal of hazardous material through the Resource Conservation and Recovery Act (RCRA). All hazardous waste TSD facilities are required to notify EPA of their existence by submitting the Federal Notification of Regulated Waste Activity Form (EPA Form 8700-12) or a state equivalent form as well as part A (EPA form 8700-23) and Part B of their Hazardous Waste Permit Application.

Status Codes: I	Incinerator
T	Storage/Treatment facility other than Incinerator
D	Land Disposal Facility

No listings within 1 mile radius of the subject site.

FD Federal Enforcement Dockets

The US EPA, Office of Enforcement, maintains a list of sites under enforcement by the US EPA.

No listings within 1 mile radius of the subject site.

CALIFORNIA STATE SOURCES

AW Annual Work Plan (previously known as Bond Expenditure Plan)

The California Health and Safety code, as amended by AB 129, requires the California Environmental Protection Agency to develop a site-specific expenditure plan as the basis for an appropriation of California Hazardous Substance Cleanup Bond Act of 1984 funds.

The Agency is also required to update the report annually and report any significant adjustments to the Legislature on an ongoing basis. The plan identifies California hazardous waste sites targeted for cleanup by responsible parties, the California and the Federal Environmental Protection Agency over the next five years.

Status Codes: BKLG Backlog, Potential Annual Work Plan Site

AWP Active Annual Work Plan site
 COM Certified, but still in Operation & Maintenance mode
 CERT Certified after remediation
 DLST Delisted from the AWP
 REFRFC Former AWP site referred to RCRA
 REFRW Former AWP site referred to the Regional Water Quality Board

No listings within 1 mile radius of the subject site.

CALS CALSITES

The Site Mitigation and Brownfields Reuse Database (CALSITES) identifies certain potential hazardous waste sites. The identification of these sites were generally not made via sampling and site characterization, they were made as a result of file searches and windshield surveys. Some of the sites may have had a site inspection with sampling.

The information has been compiled into this database by the California Environmental Protection Agency, Department of Toxic Substance Control (DTSC) in accordance with Section 25359.6 of the California Health and Safety Code.

This database was previously known as The Abandoned Sites Program Information System ASPIS.

Status Codes: PEARL Preliminary Endangerment Assessment Required,Low priority
 PEARM Preliminary Endangerment Assessment Required,Medium priority
 PEARH Preliminary Endangerment Assessment Required,High priority
 SSR Site Screening Required
 HRR Hazard Ranking Required
 PRPR Potential Responsible Party Search Required
 EPA EPA is the lead agency
 RCRA Mitigated under the RCRA permitting program
 RWQCB Mitigated under the lead of the Regional Water Quality Board
 CNTY County lead
 OAL Other Agency lead

No listings within 1 mile radius of the subject site.

VCP Voluntary Cleanup Program

This category contains low threat level properties with either confirmed or unconfirmed releases and the project proponents have requested that DTSC oversee investigation and/or cleanup activities and have agreed to provide coverage for DTSC's costs.

Status Codes: VCP Property with either confirmed or unconfirmed releases and project proponents have requested that DTSC oversee investigation and/or cleanup activities and have agreed to provide coverage for DTSCs costs.
 VCOMP - The scope of work in the VCP Agreement has been completed.
 PEAP Preliminary Endangerment Assessment in Progress.
 NFA No Further Action Required
 VTERM VCP agreement Terminated was terminated prior to the completion of the scope of work in the agreement.

BZHW Border Zone/Hazardous Waste Properties chapter 6.5 of the Health and Safety Code, commencing with section 25220.
 COM Certified, but still in Operation & Maintenance mode
 CERT Certified after remediation
 HWDLU Hazardous Waste Disposal Land Use with a voluntary deed restrictions.
 NA CalMortgage Properties. DTSC is conducting a Phase I Assessment

No listings within half of a mile radius of the subject site.

FE Properties Needing Further Evaluation

This category of The Site Mitigation and Brownfields Reuse Program Database (SMBRPD), contains properties that are suspected of being contaminated. These are unconfirmed contaminated properties that need to be assessed using the PEA process.

Status Codes: PEAP Preliminary Endangerment Assessment (PEA) in Progress
 PEAR Preliminary Endangerment Assessment (PEA) is Required
 RR Removal Action Required

No listings within half of a mile radius of the subject site.

REF Referred Unconfirmed Properties

This category of The Site Mitigation and Brownfields Reuse Program Database (SMBRPD), contains properties where contamination has not been confirmed and which were determined as not requiring direct DTSC Site Mitigation Program action or oversight. Accordingly, these sites have been referred to another state or local regulatory agency.

Status Codes: REFRW Referred to Regional Water Quality Control Board
 REFRFC Referred to DTSC's Hazardous Waste Program (RCRA).
 REFOA Referred to other agencies.

No listings within half of a mile radius of the subject site.

SCH School Property Evaluation Program Properties

This category of The Site Mitigation and Brownfields Reuse Program Database (SMBRPD) 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.

Status Codes: VCP Active school property where DTSC has entered into a VCP Agreement.
 PEAR Preliminary Endangerment Assessment (PEA) required.
 PEAP Preliminary Endangerment Assessment (PEA) in Progress
 VCOMP The scope of work in the VCP Agreement has been completed.
 NA No Action - potential school property where a Phase I has been completed.
 NFA The property does not pose a problem to the public health or the environment.
 CERT The potential school property was previously identified as a confirmed release site and it has been subsequently certified by DTSC as having been remediated

satisfactorily under DTSC oversight

No listings within half of a mile radius of the subject site.

LUR **Brownfields Reuse Program Facility Sites with Land Use Restrictions**

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 land use restrictions that are active. Some sites have multiple land use restrictions.

No listings within half of a mile radius of the subject site.

DR **Hazardous Waste Management Program Facility Sites with Deed / Land Use Restriction**

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.

No listings within half of a mile radius of the subject site.

CALS **CALSITES - No Further Action**

This section includes the sites on the Calsite list, which have been flagged for no further action by the California Environmental Protection Agency, Department of Toxic Substance Control (DTSC) in accordance with Section 25359.6 of the California Health and Safety Code.

Status Codes: NFA No Further Action for DTSC
 RED Closed Case marked for removal from list

No listings within half of a mile radius of the subject site.

CORTESE **State of California Office of Planning and Research**

This database is a consolidation of information from various sources. It is maintained by the State Office of Planning and Research and lists potential and confirmed hazardous waste or substances sites.

Facilities that have been reported elsewhere in this report will not be included in the listing below.

Status Codes:	WRCBT	Tank leaks. Compiled by Water Resource Control Board
	DHS1	Abandoned hazardous waste site. Compiled by Toxic Substance Control Div. of DHS
	DHS2	Contaminated public water drinking wells serving less than 200 connections. Compiled by Env. Health Div. of DHS
	DHS3	Contaminated public water drinking wells serving more than 200 connections
	DHS5	Sites pursuant to section 25356 of the Health and Safety Code (see BEP)
	CWMB	Solid waste disposal sites with known migration of hazardous waste

No listings within 1 mile radius of the subject site.

LUST Leaking Underground Storage Tanks - California State

The Leaking Underground Storage Tanks Information System is maintained by the State Water Resource Board pursuant to Section 25295 of the Health and Safety Code.

Status Codes:	0	No action
	1	Leak being confirmed
	3A	Prel site assessment workplan submitted
	3B	Prel site assessment underway
	5C	Pollution characterization
	5R	Remediation plan
	7	Remedial action underway
	8	Post remedial action monitoring
	9	Case closed
	P	Case purged from agency list

No listings within 1 mile radius of the subject site.

SWIS Solid Waste Information System

As legislated under the Solid Waste Management and Resource Recovery Act of 1972, the California Waste Management Board maintains lists of certain facilities, i.e. Active solid waste disposal sites, Inactive or Closed solid waste disposal sites and Transfer facilities.

No listings within 1 mile radius of the subject site.

WIP Well Investigation Program

The Well Investigation Program (AB1803) identifies groundwater that is already contaminated and empowers the California Department of Health Services and local health officers to order ongoing monitoring programs. The focus of this program is to monitor and protect drinking water.

No listings within 1 mile radius of the subject site.

WQ Drinking Water Program

The California Health and Safety Code section 116275-116300 stipulates that it is the intent of the Legislature to improve laws governing drinking water quality to improve upon the minimum requirements of the federal Safe Drinking Water Act Amendments of 1986, to establish primary drinking water standards that are at least as stringent as those established under the federal Safe Drinking Water Act, and to establish a program under this chapter that is more protective of public health than the minimum federal requirements.

In order to provide for the orderly and efficient delivery of safe drinking water the State Department of Health Services collect information on the quality of public drinking water wells under the California Drinking Program.

Below, the latest and maximum analysis of contaminants are reported (only positive reading are included). MCL is the Maximum Contaminant Level or enforceable drinking water standard. RPHL is the Recommended Public Health Level. Additional information is available upon request.

No listings within 1 mile radius of the subject site.

REGIONAL SOURCES

NT Toxic Releases

The California Regional Water Quality Control Boards or local Department of Health Services keeps track of toxic releases to the environment. These lists are known as Unauthorized Releases, Spill, Leaks, Investigations and Cleanups (SLIC), Non-Tank Releases, Toxics List or similar, depending on the local agency.

No listings within 1 mile radius of the subject site.

TPC Toxic Pits

The Toxic Pits Clean-Up Act (Katz Bill) places strict limitations on the discharge of liquid hazardous wastes into surface impoundment, toxic ponds, pits and lagoons. Regional Water Quality Control Boards are required to inspect all surface impoundment annually, in addition, every facility was required to file a Hydrogeological Assessment Report. Recent legislation allows the Department of Health Services to exempt facilities that closed on or before December 31, 1985, if a showing is made that no significant environmental risk remains (AB1046).

Special exemption provisions have been created for surface impoundment that receive mining wastes.

No listings within 1 mile radius of the subject site.

SWAT Solid Waste Assessment Test - Regional

This program, provided for under the Calderon legislation (Section 13273 of the Water Code), requires that disposal sites with more than 50,000 cubic yards of waste provide sufficient information to the regional water quality control board to determine whether or not the site has discharged hazardous substances which will impact the environment.

Site operators are required to file Solid Waste Assessment Test reports on a staggered basis. Operators of the 150 highest ranking (Rank 1) sites were required to submit Solid Waste Assessment Tests by July 1, 1987, Rank 2 in 1988 and so on.

Operators submit water quality tests to the Regional Water Quality Control Board, describing surface and groundwater quality and supply; and the geology within 1 mile of the site. Air quality tests are submitted to the local Air Quality Management District or Air Pollution Control District.

This program is currently not funded and thus not updated.

Status Codes: Facilities or sites are ranked within each region on a scale 1-15 according to priority.

No listings within 1 mile radius of the subject site.

OPERATING PERMITS

Various agencies issue operating permits or regulate the handling, movements, storage and disposal of hazardous materials and require mandatory reporting. The inclusion in this section does not imply that an environmental problem exists presently or has in the past.

RCRA-G Resource Conservation and Recovery Information System - Generators

The Environmental Protection Agency regulates generators of hazardous material through the Resource Conservation and Recovery Act (RCRA). All hazardous waste generators are required to notify EPA of their existence by submitting the Federal Notification of Regulated Waste Activity Form (EPA Form 8700-12) or a state equivalent form. The notification form provides basic identification information and specific waste activities.

Status Codes: L - Generators who generate at least 1000 kg/mo of non-acutely hazardous waste (or 1 kg/mo of acutely hazardous waste).
S - Generators who generate 100 kg/mo but less than 1000 kg/mo of non-acutely hazardous waste.
T - Transporter.

No listings within half of a mile radius of the subject site.

SARA SARA Title III, section 313 (TRIS)

Title III of the Superfund Amendments and Reauthorization Act, Section 313, also known as Emergency Planning and Community Right-to-Know Act of 1986 requires owners or operators of facilities with more than 10 employees and are listed under Standard Industrial Classification (SIC) Codes 20 through 39 to report the manufacturing, processing or use of more than a threshold of certain chemical or chemical categories listed under section 313. This data base is also known as Toxic Release Information System (TRIS).

Below summary information for the last five year period is reported grouping the releases into air, water, underground injection, land, public offsite treatment (potw) and transportation offsite.

No listings within half of a mile radius of the subject site.

NC Nuclear Regulatory Commission Licensees

The Nuclear Regulatory Commission, Office of Nuclear Material Safety and Safeguards has been mandated (10 CFR Ch 1.42) to protect the public health and safety, the common defense and security, and the environment by licensing, inspection, and environmental impact assessment for all nuclear facilities and activities, and for the import and export of special nuclear material.

No listings within half of a mile radius of the subject site.

PCB PCB Waste Handlers Database

The U.S. Environmental Protection Agency tracks generators, transporters, commercial stores and/or brokers and disposers of PCB's in accordance with the Toxic Substance Control Act.

No listings within half of a mile radius of the subject site.

PCS Permit Compliance System

PCS is a database which contains data on National Pollutant Discharge Elimination System (NPDES) permit holding facilities. PCS was developed by The U.S. Environmental Protection Agency to meet the information needs of the NPDES program under the Clean Water Act. PCS tracks permit, compliance, and enforcement states of NPDES facilities.

No listings within half of a mile radius of the subject site.

AFS AIRS Facility System

AFS contains emissions and compliance data on air pollution point sources tracked by the U.S. EPA and state and local environmental regulatory agencies. There are seven "criteria pollutants" for which data must be reported to EPA and stored in AIRS: PM10 (particulate matters less than 10 microns in size), carbon monoxide, sulfur dioxide, nitrogen dioxide, lead, reactive volatile organic compounds (VOC), and ozone.

AFS replaces the former Compliance Data System (CDS), the National Emission Data System (NEDS), and the Storage and Retrieval of Aeromatic Data (SAROAD).

No listings within half of a mile radius of the subject site.

PE Section Seven Tracking System (SSTS)

SSTS evolved from the FIFRA and TSCA Enforcement System (FATES). SSTS tracks the registration of all pesticide producing establishments and tracks annually the types and amounts of pesticides, active ingredients, and devices that are produced, sold or distributed each year.

No listings within half of a mile radius of the subject site.

FIFRA FIFRA/TSCA Tracking System/ National Compliance Database (FTTS/NCDB)

NCDB supports implementation of the Federal Insecticide, Fungicide and Rodenticide Control Act (FIFRA) and the Toxic Substance Control Act (TSCA).

No listings within half of a mile radius of the subject site.

FFIS Federal Facilities Information System (FFIS)

Federal Facilities Information System (FFIS) contains a list of all Treatment Storage and Disposal Facilities (TSDs) owned and operated by federal agencies.

No listings within half of a mile radius of the subject site.

CICIS Chemicals in Commerce Information System (CICIS)

Chemicals in Commerce Information System contains an inventory of chemicals manufactured in commerce or imported for Toxic Substances Control Act regulated commercial purposes. CICIS allows EPA to maintain a comprehensive listing of over 70,000 chemical substances that are manufactured or imported and are regulated under TSCA.

No listings within half of a mile radius of the subject site.

FINDS FINDS EPA Facility Index System

The U.S. Environmental Protection Agency maintains an index system of all facilities which are regulated or have been assigned an identification number for other purposes.

Facilities that have been reported elsewhere in this report will not be listed under this category.

No listings within half of a mile radius of the subject site.

HWIS Hazardous Waste Information System

The Department of Toxic Substance Control, California Environmental Protection Agency, maintains a data base keeping track of the movement and disposal of hazardous waste. The data is used to support the Tanner legislation, AB 2948.

Status Codes: EPA Facility Permit Number

- CAL - State permanent number
- CAC - State provisional or emergency number
- CAH - State prov or perm number for household hazardous waste collections
- CAI - State permanent number for exotic pest detection
- CAS - State permanent number issued by county for emergency response
- CAE - State prov number for hazardous waste removal caused by natural disasters
- CAX - State permanent or provisional number issued prior to 1987. No longer used.
- CLU - State permanent number issued by county for clandestine lab cleanup
- CAR - Federal permanent number
- CA - Federal permanent number
- CAD - Federal permanent or provisional number. State provisional before 1988.
- CAT - Federal permanent number
- CAP - Federal provisional or emergency number

No listings within half of a mile radius of the subject site.

UST Permitted Underground Storage Tanks - State Water Quality Control Board

The Corteses Bill (AB2013), enacted in 1983, required registration of all underground storage tanks (UST) with the State Water Quality Control Board by July 1, 1984. About 176,000 tanks and surface impounds were registered between 1984 and 1987. An amendment (AB 1413) was passed in 1987, effectively removing the State Board from the registration process starting January 1, 1988. The data reflects the information collected by the state between 1984 and 1987 as well as recent time and includes all tanks and surface impounds in use or closed after 1974.

Home and farm heating fuel tanks with capacities of 1,100 gallons or less and "structures such as sumps, separators, storm drains, catch basins, oil field gathering lines, refinery pipelines, lagoons, evaporation ponds, well cellars, separation sumps, lined and unlined pits, sumps and lagoons" except those defined as UST under HSWA or may be regulated to protect water quality under the Porter-Cologne Water Quality Control Act are excluded.

No listings within half of a mile radius of the subject site.

FIRE INSURANCE MAP REVIEW

APPENDIX

FIRE INSURANCE MAP REVIEW

Fire insurance maps are large-scale maps that depict the commercial, industrial and residential sections of some twelve thousand cities and towns in the United States. These specialized maps were first prepared for the exclusive use of fire insurance companies and underwriters to provide accurate, current and detailed information about the buildings they were insuring. Information relied upon in place of personal examinations of property. Fire insurance maps show the size, shape and construction of dwellings, commercial buildings and factories, as well as indicate widths and names of streets, property boundaries, and house and block numbers. The primary benefit of reviewing fire insurance maps is to analyze historical land use of a subject property and its immediate area. In this review, special emphasis is given to the existence and location of fuel storage tanks, flammable or other potentially hazardous substances, as well as the nature of businesses located on site.

No Fire Insurance Maps are available for the area surrounding the subject site. Lack of coverage of the site indicates an area of little commercial development prior to 1950.

APPENDIX
AERIAL PHOTOGRAPH SEARCH

AERIAL PHOTOGRAPH SEARCH

Aerial photos first emerged in the 1840's when the first pictures of the earth's surface were taken from balloons. By the first World War, cameras mounted on airplanes provided aerial photos used for reconnaissance. From then until today, aerial photographs have been used in the making of maps, land surveys and for a wide variety of other purposes.

Aerial photos can provide different information depending on the type and class of the photo. The major classes of photos are black and white, color, and color infrared photos. Generally, color photos provide the most information, however are expensive to produce. For that reason, black and white photos are the most common. Color infrared photos can detect vegetation other photos miss. These photos are generally taken in more rural areas for agricultural purposes.

The type of photo refers to the camera angle at the time of the flyover. There are 2 major types -vertical and oblique. Vertical photos are taken while directly overhead, and give the effect of looking straight down on the area. Oblique photos are taken at a 30 to 60 degree angle. The camera angle creates a 3-D effect so height and depth of structures are more easily discernible.

Vertical photos are taken by either 1 or 2 cameras. One camera flyovers produce vertical recon photos. Vertical carto photos are taken with 2 cameras offset horizontally. When the photos are viewed side by side through stereophonic lenses the photos create a 3-D effect.

Photo collections are compiled by both private and government agencies. Many collections date back to the 1940's and sometimes even earlier. BBL has searched over 600 collections for coverage of the USGS quadrangle of the subject site. The percentage of the quadrangle that the photo covers is noted as a % under quadcov. The list that follows includes all known photos with a resolution greater than 1:12,000. Photos with lower resolution have been excluded from the listing as they provide less detail than generally required.

If additional site investigation is necessary, historical photos can be helpful in determining prior land use. These photos can help track the development of the area as well as provide you with details of long gone buildings, tanks, waste storage areas, marshlands and vegetation.

<i>year</i>	<i>project</i>	<i>scale</i>	<i>type</i>	<i>class</i>	<i>quadcov</i>	<i>comments</i>
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Bureau of Land Management, Den NARSC, RS 120 BLM, Bldg. 50 Denver, CO 80225-0047 303-236-6382

1977	CA0177	24000	Vertical Carto	Color	10	
1977	CAHD77	30000	Vertical Carto	B-W	30	CAL HIGH DESERT
1975	SAEV75	20000	Vertical Carto	Color	20	C MOOO

Intra Search, Inc. 5351 South Roslyn St. Englewood, CO 80111 303-741-2020

1977	7731	24000	Vertical Carto	Color	50	19-OWENS VALLEY
1973	73106	24000	Vertical Carto	Color	20	6-SOUTHERN CALIF

National Aeronautics and Space Ames Research Center Contact U.S. Geological Survey 800-USA-MAPS

1991	04281	31000	Vertical Recon	Color	20	591004281 0247 0252 0430 0024
1985	03486	32000	Vertical Recon	Color	20	585003486 0075 0077 35 1016
1984	03390	36750	Vertical Recon	Color	20	584003390 0098 0101 34 6003

OWENS LAKE PM, LONE PINE

U.S. Geological Survey Anchorage ESIC 4230 University Dr., Rm. 101 Anchorage, AK 99508-4 907-786-7011

1994	NP9402	40000	Vertical Carto	B-W	90	NAPP2-LEAF ON
1989	NP8961	40000	Vertical Carto	Color	90	NAPP-LEAF ON
1982	VFDT	20000	Vertical Carto	B-W	10	0067 1258
1982	VFDT	24000	Vertical Carto	B-W	10	0067 1263
1947	CQ	37400	Vertical Carto	B-W	10	0091 0791

Univ. of California, Santa Bar Map and Imagery Laboratory Lib Santa Barbara, CA 9310 805-893-4049

1957	C22734	12000	Vertical Carto	B-W	70	
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Whittier College Dept. of Geology Attn: Dallas Rhodes/Air Photo- Whittier, CA 90608 310-907-4220

1954	C20500	39990	Vertical Carto	B-W	10	FAIRCHILDAS, NDX
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