

March 1, 2012 File: 122785.01

Mr. David P. Friedman Nevada Division of Environmental Protection Bureau of Corrective Actions 901 South Stewart Street, Suite 4001 Carson City, Nevada 89701-5249

Subject:

Phase I Environmental Site Assessment &

Limited Asbestos Survey

Moapa Paiute Farm Large Greenhouses

Moapa River Indian Reservation A portion of APN 030-36-000-006

Clark County, Nevada

Dear Mr. Friedman:

Enclosed are two hard copies and one electronic copy on compact disc (CD) of the Phase I Environmental Site Assessment (ESA) for the above-referenced property. The ESA was conducted under an approved Brownfields Grant from the Nevada Division of Environmental Protection (NDEP) Brownfields Program. In addition to the submittals provided to NDEP, we are providing two copies to the Moapa Band of Paiutes, the applicant of this funded grant.

An executive summary is provided; however, we recommend that the report be read in its entirety for a comprehensive understanding of the items contained therein.

We appreciate the opportunity to provide these services for you. Should you require additional information, have any questions regarding this report, or wish to discuss the recommendations provided, please contact us at 775-689-7800.

Respectfully submitted,

KLEINFELDER

Joshua P. Førtmann, CEM

Science and Engineering Manager

Enclosures

Copies with attachments to:

Moapa Paiute Farm, Moapa River Indian Reservation, Attention Ms. Linda Donahue, P.O. Box 340, 12 Lincoln Street, Suite A, Moapa, Nevada 89025



PHASE I ENVIRONMENTAL SITE ASSESSMENT & LIMITED ASBESTOS SURVEY MOAPA PAIUTE FARM LARGE GREENHOUSES MOAPA RIVER INDIAN RESERVATION A PORTION OF APN 030-36-000-006 CLARK COUNTY, NEVADA

PROJECT NO. 122785.01

March 1, 2012

Only the Client or its designated representatives may use this document and only for the specific project for which this report was prepared.



A report prepared for:

Nevada Division of Environmental Protection Bureau of Corrective Actions 901 South Stewart Street, Suite 4001 Carson City, Nevada 89701-5249

Subject:

Phase I Environmental Site Assessment & Limited Asbestos Survey

Moapa Paiute Farm Large Greenhouses

Moapa River Indian Reservation A Portion of APN 030-36-000-006

Clark County, Nevada

Kleinfelder Project No.: 122785.01

Prepared by:

I hereby certify that I am responsible for the services described in this document and for the preparation of this document. The services described in this document have been provided in a manner consistent with the current standards of the profession and to the best of my knowledge comply with all applicable federal, state and local statutes, regulations and ordinances.

Brian K. Loffman, C.E.M.

C.E.M. #2265, exp. 9/21/2012

Nevada Asbestos Consultant-Inspector (I-1561)

Reviewed by:

Phil J. Tousignant, C.E.M. Environmental Scientist

KLEINFELDER

4835 Longley Lane Reno, Nevada 89502 (775) 689-7800

FAX: (775) 689-7810

March 1, 2012



TABLE OF CONTENTS

Sect	<u>tion</u>		<u>Page</u>
1	EXE	CUTIVE SUMMARY	1
2	INTE	RODUCTION	4
	2.1.	PURPOSE	
	2.2.	DETAILED SCOPE-OF-SERVICES	
	2.3.	ADDITIONAL SERVICES	
	2.4.	SIGNIFICANT ASSUMPTIONS	
	2.5.	LIMITATIONS AND EXCEPTIONS	
	2.6.	SPECIAL TERMS AND CONDITIONS	
	2.7.	USER RELIANCE	
3		DESCRIPTION	
	3.1.	LOCATION AND LEGAL DESCRIPTION	
	3.2.	CURRENT/PROPOSED USE OF THE PROPERTY	
	3.3.	DESCRIPTION OF STRUCTURES/IMPROVEMENTS	10
	3.4.	CURRENT USES OF ADJOINING PROPERTIES	10
4	DEC	ORDS REVIEW	12
-	4.1.	STANDARD ENVIRONMENTAL RECORD SOURCES	
	4.2.	RESULTS OF DATABASE SEARCH	
	7.2.	4.2.1. Federal Lists	
		4.2.2. State Lists	
		4.2.3. Orphan (nongeocoded) List	
	4.3.	OTHER RECORDS REVIEWED/AGENCIES CONTACTED	
	4.4.	PHYSICAL SETTING SOURCE(S)	
	4.5.	USER PROVIDED INFORMATION	
	1.0.	4.5.1. Title Records	
		4.5.2. Environmental Liens and Activity Usage Limitations	
		4.5.3. Value Reduction	
		4.5.4. Other Information/Documents Provided	
_	LUCT		40
5		ORY OF THE SITE	
	5.1.	AERIAL PHOTOGRAPHS	
		5.1.1. Subject property	
	<i>E</i> 2	5.1.2. Surrounding Areas	
	5.2. 5.3.	FIRE INSURANCE MAPS	21
		LOCAL STREET DIRECTORIES	
	5.4.	HISTORICAL TOPOGRAPHIC MAP REVIEW	
		5.4.1. Subject property	
	<i></i>	5.4.2. Surrounding Areas	22
	5.5.	BUILDING DEPARTMENT RECORDS	23

i



	5.6.	PREVIOUS ASSESSMENTS	23
	5.7.	FLOODPLAIN INFORMATION	23
6	SITE	RECONNAISSANCE	
	6.1.	METHODOLOGY AND LIMITING CONDITIONS	25
	6.2.	GENERAL SITE SETTING	25
	6.3.	SITE OBSERVATIONS	
	6.4.	RESULTS OF SITE RECONNAISSANCE	30
	6.5.	LIMITED ASBESTOS SURVEY	31
_			0.4
7		RVIEWS	
	7.1.		
	7.2.		
	7.3.	INTERVIEW WITH OTHERS	34
8	EVA	LUATION	36
	8.1.		
	8.2.	FINDINGS AND OPINIONS	
	8.3.	DEVIATIONS AND ADDITIONAL SERVICES	
	8.4.	CONCLUSIONS AND RECOMMENDATIONS	
		8.4.1. Data Gaps	
9	RFFI	ERENCES	A1
	1/11		

TABLES

- 3-1 Location and Legal Description3-2 Current/Proposed Uses
- 3-3 Structures/Improvements
- 3-4 Adjoining Properties
- 4-1 Records Review & Search Distance
- 4-2 Physical Setting
- 4-3 Regional Geology and Hydrogeology
- 4-4 Owner/Occupant Information
- 5-1 Historical Sources
- 5-2 Historical Aerial Photographs Reviewed
- 5-3 Historical Topographic Maps Reviewed
- 6-1 Site Observations
- 6-2 Interior and Exterior Observations
- 6-3 Summary of Asbestos Sample Results



TABLE OF CONTENTS (CONTINUED)

PLATES

- 1 Subject property and Vicinity
- 2 Aerial View of Subject property
- 3 FEMA Flood Zone Map
- 4 Site Photographs
- 5 Site Photographs
- 6 Asbestos Sample Location Map

APPENDICES

- A Qualifications of Environmental Professionals
- B EDR Radius Map Report
- C User Questionnaire/Other Provided Information
- D Historical Research Documentation
- E Asbestos Regulatory Overview
- F Asbestos Laboratory Analytical Report



1 EXECUTIVE SUMMARY

An application was submitted by the Moapa Band of Paiutes, a Federal Tribal organization, to the Nevada Division of Environmental Protection's (NDEP) Brownfields Program for Brownfields Funding. The Funding application was submitted for conducting a Phase I Environmental Site Assessment (ESA) and a Limited Asbestos Survey of the Moapa Paiute Farm's two large greenhouses. NDEP approved the application and requested that a scope of services for conducting the Phase I ESA and Limited Asbestos Survey be submitted by Kleinfelder. The scope was submitted on April 5, 2011 and approved by the NDEP on October 4, 2011, under NDEP Contract 10-008. BEC Environmental, Inc. (BEC) performed this Phase I ESA and Limited Asbestos Survey as a subcontractor to Kleinfelder.

A Phase I ESA and Limited Asbestos Survey were performed for NDEP (Client) for property located on the Moapa Indian Reservation, in Clark County, Nevada (Plate 1). This report was prepared using the American Society for Testing and Materials (ASTM), Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process E1527-05.

The subject property consists of approximately 7.5 acres in the approximate southeast portion of Clark County Assessor Parcel Number (APN) 030-36-000-006. The subject property is referred to as the Moapa Farm Large Greenhouses. Currently the large greenhouses are not in use. There are two individual greenhouses that are approximately 2.5 acres in size each. For the purposes of this report, the greenhouses will be referred to as the north greenhouse and south greenhouse for location descriptions.

An historical profile of the subject property was developed using information obtained during our review of regulatory databases and one or more of the following historical sources: aerial photographs, topographic maps, fire insurance maps, street directories, and previous investigations. The subject property was listed in the Tribal Lands database.



There were no *recognized environmental conditions* (RECs, as defined in Section 2.1) noted for the subject property during the preparation of this Phase I ESA. However, the following conditions of potential environmental concern were noted:

- A pole-mounted transformer was observed on the subject property just inside the
 eastern boundary of the subject property, east of the south large greenhouse.
 The transformer appeared to be old and was in poor condition with visible signs
 of corrosion. No stained soil was observed directly beneath the pole-mounted
 transformer, and the transformer oil has been tested and classified as nonpolychorinated byphenyl (PCB) containing. It is also scheduled for removal by
 the Overton Power District #5. Therefore, it is not considered an REC.
- Two 55-gallon drums were observed adjacent to the west of the subject property, west of the north large greenhouse. The drums were unlabeled and aged, with visible signs of corrosion, but observed stains. One drum was full of an unknown substance and it could not be ascertained if it was a solid or a liquid. The other drum was empty and had a hole at the bottom of the drum. A small quantity of stained soil at the base of the drum was visible and appeared to be petroleum based. Since the drums are located off of the subject property, and only minor soil staining was observed, they are not considered an REC.
- One empty drum was noted on the subject property adjacent to the west of the north greenhouse. No evidence of leakage or soil staining was observed. Therefore, it is not considered an REC.
- An irrigation well (currently not in use) was observed at the northwest corner of the north large greenhouse.
- Herbicide and pesticide use is of potential environmental concern for properties
 used for agricultural purposes. However, the large greenhouses were damaged
 shortly after construction, and were not used to grow produce. No records of
 pesticide or herbicide use were revealed during the preparation of the Phase I
 ESA, and interviews revealed that very limited (if any) herbicide and pesticide
 use occurred on the subject property. Therefore, this is not considered an REC.



There were no *historic recognized environmental conditions* noted for the subject property during the preparation of this Phase I ESA.

Asbestos

The Limited Asbestos Survey was conducted to evaluate the presence of potential asbestos-containing materials (ACMs) in the form of 3-foot high skirting around the base of the large greenhouses. The Limited Asbestos Survey revealed that the skirting material around the greenhouses is not ACM, and the analysis shows it to be fiberglass.

The Limited Asbestos Survey included sampling of a stockpile of approximately 100 linear feet (multiple 10' to 12' sections) of cement pipe located adjacent to the subject property, near the north large greenhouse. Sample analysis confirmed the piping to be ACM. At the time of this survey, the suspect ACM appeared to be in good condition and it is not located on the subject property; therefore, it does not currently pose a hazard. It is possible; however, that asbestos-cement piping is used for water utilities on the subject property.

A full evaluation of the subject property, including any deviations, historical environmental conditions, and *de minimis* findings are discussed in Chapter 8 of this report. This report is subject to the limitations in Section 2.5.



2 INTRODUCTION

The following report is a summary of work performed using the guidelines set forth in the ASTM Standard E-1527-05, Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process (ASTM Standard). This report generally conforms to the ASTM Standard's suggested table of contents. To assist in better reading and understanding of the report, Kleinfelder made minor format modifications to the ASTM Standard's suggested table of contents.

2.1. PURPOSE

The purpose of this Phase I ESA is to identify, to the extent feasible pursuant to the terms of our NDEP Contract 10-008, and limitations discussed in this report, RECs and other environmental issues related to the subject property. As defined in the ASTM Standard, a REC is:

The presence or likely presence of any 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, ground water, 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 threat to human 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. Conditions determined to be de minimis are not recognized environmental conditions.

The ASTM standard also requires the identification of Historical RECs (HRECs). As defined in the ASTM Standard, subsection 3.2.39, a HREC is:

An environmental condition which in the past would have been considered a REC, but which may or may not be considered a REC currently. The final



decision rests with the Environmental Professional and will be influenced by the current impact of the HREC on the property. If a past release of any hazardous substance or petroleum products has occurred in connection with the property and has been remediate, with such remediation accepted by the responsible regulatory agency (for example, as evidence by the issuance of a no further action letter or equivalent), this condition shall be considered a HREC and included in the findings section of the P1 ESA report... (EP opinion statement) If this HREC is determined to be a REC at the time the P1 ESA is conducted, the condition shall be identified as such and listed in the conclusions section of the report.

This report describes the assessment methodology and documents the assessment findings, subject to the limitations presented in Section 2.5 of this report.

2.2. DETAILED SCOPE-OF-SERVICES

The following sections describe the work scope:

- Section 2, Introduction, includes a discussion of the purpose/reason for performing the Phase I ESA, additional services requested by the Client (i.e., an evaluation of business environmental risk factors associated with the subject property), significant assumptions (i.e., property boundaries if not marked in the field), limitations, exceptions, and special terms and conditions (i.e., contractual), and user reliance parameters.
- Section 3, Site Description, is a compilation of information concerning the site location, legal description (if provided), current and proposed use of the subject property, a description of structures and improvements on site at the time of Kleinfelder's assessment, and adjoining property use.
- Section 4, Records Review, is a compilation of Kleinfelder's review of several databases available from Federal, State, and local regulatory agencies regarding hazardous substance use, storage, or disposal at the subject property; and for off-site facilities within the search distance specified in the ASTM Standard. Records provided by the Client are summarized and copies of relevant



documents are included in the appendices of this report. Physical setting sources (including topography, soil and groundwater conditions) and typical Client-provided information (i.e., title records, environmental liens, specialized knowledge, valuation reduction for environmental issues, and owner, property manager, and occupant information) are also summarized in this section. Other interviews with people knowledgeable about the subject property (including the client) are included in Section 7.

- Section 5, History of the Site, summarizes the history of the subject property and adjoining properties. This site history is based on various sources which may include: a review of historical aerial photographs, Sanborn Fire Insurance Maps, city or suburban directories, historical topographic maps, building department records, and results of previous site assessments.
- Section 6, Site Reconnaissance, describes Kleinfelder's observations during the site reconnaissance. The methodology used and limiting conditions are described.
- Section 7, Interviews, is a summary of telephone and personal interviews conducted with "Key Site Managers" that may include the owner/manager of the facility, occupants/tenants, local government officials, and the Client. Additional interview sources may be contacted if "Key Site Managers" are not available prior to production of this report, and may include adjoining landowners and people with historical knowledge of the area.
- Section 8, Evaluation, is a presentation of our findings and opinions regarding
 the information in Sections 3 through 7, and presents our conclusions regarding
 the presence of RECs connected with the site, and recommendations if required
 by the Client.
- Section 9, References, is a summary of some of the resources used to compile this report.

Pertinent documentation regarding the subject property is included in appendices of this report.



2.3. ADDITIONAL SERVICES

An evaluation of business environmental risk associated with the subject property was not included in Kleinfelder's scope of work. The scope of work for this Phase I ESA includes a Limited Asbestos Survey. The scope of this ESA does not incorporate ASTM Standard non-scope considerations, such as radon, lead-based paint, lead in drinking water, wetlands, regulatory compliance, cultural and historical resources, industrial hygiene, health and safety, ecological resources, endangered species, indoor air quality, and high voltage power lines.

2.4. SIGNIFICANT ASSUMPTIONS

No significant assumptions were made regarding the subject property.

2.5. LIMITATIONS AND EXCEPTIONS

Phase I ESAs are non-comprehensive by nature and may not identify all environmental problems, and will not eliminate all risk. This report is a qualitative assessment. Kleinfelder offers a range of investigative and engineering services to suit the needs of our clients, including more quantitative investigations. Although risk can never be eliminated, more detailed and extensive investigations yield more information, which may help the Client understand and better manage risks. Since such detailed services involve greater expense, we ask our clients to participate in identifying the level of service, which will provide them with an acceptable level of risk. Please contact the signatories of this report if you would like to discuss this issue of risk further.

Kleinfelder performed this Phase I ESA in general accordance with the guidelines set forth in the ASTM Standard, and the proposed scope subsequently approved by our Client. No warranty, either express or implied, is made. Environmental issues not specifically addressed in this report were beyond the scope of our services and not included in our evaluation.

During the Limited Asbestos Survey, no attempt was made to move equipment, furnishings or to uncover or observe below-ground systems or equipment. Areas that



were not considered safely accessible were not evaluated. There remains the possibility that additional ACM's (e.g., in underground asbestos-containing cement pipes and/or ACM-wrapped utility pipes), or other hazardous materials may be encountered during future building demolition and/or below grade excavation activities.

2.6. SPECIAL TERMS AND CONDITIONS

No special terms and conditions in addition to those discussed previously were agreed to either by the Client or Kleinfelder.

2.7. USER RELIANCE

This report may be used only by the NDEP, and the Moapa Band of Paiutes and only for the purposes stated within a reasonable time from its issuance, but in no event later than 1 year from the date of the report. Land or facility use, on- and off-site conditions, regulations, or other factors may change over time, and additional work may be required with the passage of time. Since site activities and regulations beyond our control could change at any time after the completion of this report, our observations, findings, and opinions can be considered valid only as of the date of the site visit. This report should not be relied upon after 180 days from the date of its issuance (ASTM Standard, Section 4.6). Any party other than the Client who wishes to use this report shall notify Kleinfelder of such intended use.



3 SITE DESCRIPTION

The site description presented in this section describes the condition of the subject property at the time of the Phase I ESA. The subject property location is shown on Plate 1. Tables 3-1 through 3-5 summarize the physical characteristics of the subject property and adjoining properties.

3.1. LOCATION AND LEGAL DESCRIPTION

The information presented in Table 3-1 describes the physical location and legal description of the subject property. This information was obtained from review of various maps (such as topographic maps and tax assessor maps), aerial photographs, public records at city and/or county offices, interviews, and/or information provided by the Client.

TABLE 3-1
LOCATION AND LEGAL DESCRIPTION

Parameter	Information/Comments		
ADDRESS	There is no physical address for the subject property.		
LOCATION	USA Moapa Indian Reservation, Clark County Unincorporated, 89025		
SECTION, TOWNSHIP & RANGE	Section 36, Township 14 South, Range 65 East		
ASSESSOR'S PARCEL NO.	A portion of 030-36-000-006		
LEGAL DESCRIPTION	The site is a portion of SEC 36 TWP 14 RNG 65, of the Clark County Assessors Legal description for the Reservation, recorded as PT SECS 25,26,35,36 14 65 & SEC 31 14 66 & SEC 01 15 65 & SEC 06 15 66		
ACREAGE	Approximately 7.5 acres		
ZONING	Rural Open Land [.5 Units per Acre] (R-U)		



3.2. CURRENT/PROPOSED USE OF THE PROPERTY

At the time of Kleinfelder assessment, the subject property consisted of two out-of-use greenhouses. Current and proposed uses are described in Table 3-2.

TABLE 3-2
CURRENT/PROPOSED USES

Parameter	General Observations		
CURRENT USE	Two out-of-use greenhouses		
PROPOSED USE	The Moapa Paiute Indian Reservation intends to actively use the greenhouses in the future		

3.3. DESCRIPTION OF STRUCTURES/IMPROVEMENTS

Structures and/or improvements observed on site at the time of Kleinfelder's site reconnaissance are described in Table 3-3.

TABLE 3-3
STRUCTURES/IMPROVEMENTS

Parameter	General Observations	
STRUCTURES	Damaged greenhouse and support elements (water tank, oil fueled boiler and boiler generator).	
IMPROVEMENTS	Unpaved road	

3.4. CURRENT USES OF ADJOINING PROPERTIES

Kleinfelder performed a brief drive-by survey of the properties immediately adjoining to the subject property on December 1, 2011. A summary of the surrounding properties is presented in Table 3-4.



TABLE 3-4 ADJOINING PROPERTIES

Direction Land Use Description		
NORTH	Vacant land immediately north and sewage disposal ponds further north.	
EAST	Vacant land immediately east and the Reid Gardner Generating Station (power plant) further east.	
SOUTH	Vacant.	
WEST	Planted trees, with former produce packaging plant/warehouse with an additional greenhouse beyond.	

Based on our observations, the adjoining properties do not appear likely to adversely affect the subject property. Additional details regarding observations made on adjoining properties are discussed in Section 6 of this report.



4 RECORDS REVIEW

4.1. STANDARD ENVIRONMENTAL RECORD SOURCES

The purpose of the records review is to obtain and review records that would help to evaluate RECs of potential concern in connection with the subject property and bordering properties.

Federal, state and local regulatory agencies publish databases or "lists" of businesses and properties that handle hazardous materials or hazardous waste, or are the known location of a release of hazardous substances to soil and/or groundwater. These databases are available for review and/or purchase at the regulatory agencies, or the information may be obtained through a commercial database service. Kleinfelder contracted a commercial database service, Environmental Data Resources, Inc. (EDR) to perform the government database search for listings within the appropriate US Environmental Protection Agency (EPA) All Appropriate Inquiry (AAI) minimum search distance of the subject property. A description of the types of information contained in each of the databases reviewed and the agency responsible for compiling the data is also included in the EDR Reports. The EDR database search results are presented in Appendix B, including the databases summarized in Table 4-1.



TABLE 4-1 RECORDS REVIEW & SEARCH DISTANCE

FEDERAL LIST	DISTANCE
National Priority List (NPL)	1 mile
Delisted NPL	1 mile
Comprehensive Environmental Response, Compensation, and Liability Information System (CERCLIS)	½ mile
CERCLIS-No Further Remedial Action Planned (NFRAP)	½ mile
Resource Conservation Recovery Act (RCRA)-CORRACTS facilities	1 mile
RCRA-non CORRACTS TSD facilities	½ mile
RCRA generators	1/4 mile
Institutional Control/Engineering Control registries	½ mile
Emergency Response Notification System (ERNS)	Site
NPL-equivalent lists of hazardous waste sites (SHWS)	1 mile
CERCLIS-equivalent lists of hazardous waste sites	1 mile
Landfills or Solid Waste Listing	½ mile
Leaking Underground Storage Tank (LUST)	½ mile
Registered Underground Storage Tanks (UST)	1/4 mile
Institutional Control/Engineering Control-equivalent registries	1/4 mile
Voluntary Cleanup Sites (VCP)	½ mile
Brownfields	½ mile

EDR utilizes a geographical information system to plot the locations of business and properties listed in the regulatory databases listed in Table 4-1. Kleinfelder reviewed this information to help establish if the subject property, or nearby properties, have been included in the noted databases and lists. The EDR report includes radius maps that show the locations of the listed properties with respect to the subject property, and a summary of pertinent information for these properties. For each listed site, the summaries include the name of the responsible party, the property address, the distance and direction from the subject property, as well as the databases and lists on which the listed property appears. The dates that the databases were updated are also included in the EDR report.



4.2. RESULTS OF DATABASE SEARCH

The following sections contain information on the results of EDR's record search. Listed search distances are those specified in the ASTM Standard. The subject property was listed in the Tribal Lands database.

4.2.1. Federal Lists

Within their respective ASTM recommended minimum search distances, there were no geocoded sites found except for the Tribal Lands listing.

4.2.2. State Lists

Within their respective ASTM recommended minimum search distances, there were no geocoded sites found.

4.2.3. Orphan (nongeocoded) List

Sites not plotted by EDR due to poor or inadequate address information are nongeocoded and are referred to as orphan sites. There were a total of 26 orphan sites. The summary report was reviewed to evaluate if Kleinfelder could ascertain their location (based upon local and general knowledge, and selected file review requests) and if so, whether these sites are a REC to the subject property. A review of the EDR report indicates none of the 26 orphan sites were located within the 1-mile search radius. This includes the Reid-Gardner Power Plant at which groundwater monitoring is currently performed under oversight by NDEP.

4.3. OTHER RECORDS REVIEWED/AGENCIES CONTACTED

Kleinfelder contacted Mr. Charles Moses, Environmental Scientist with the Nevada Department of Agriculture, to inquire about pesticide and/or herbicide use at the subject property. Mr. Moses indicated that the state does not maintain records or application on tribal land unless it is performed by a licensed applicator. No records are available



at the tribal offices so it is not possible to determine whether a commercial applicator performed work at the subject property.

4.4. PHYSICAL SETTING SOURCE(S)

Table 4-2 presents information about the physical setting of the site. This information was obtained from published maps.

TABLE 4-2
PHYSICAL SETTING

Data	Source	General Information
USGS TOPOGRAPHIC QUADRANGLE	Moapa West Quadrangle, 7.5 Minute Series (Topographic), 1967, (photo- revised 1983).	The subject property is located at an approximate elevation of 1600 feet above mean sea level (msl) and the topographic relief slopes to the east. Land use in the vicinity of the site was depicted asvacant, with a cemetery to the west.
SOIL TYPE	USDA-Natural Resources Conservation Service, Web Soil Survey (http://websoilsurvey.nrcs.us da.gov), accessed March 4, 2011.	Soils are classified as "Overton silty clay, strongly saline." The USDA Map Unit Symbol is "On"
OIL AND GAS FIELDS	NBMG, Bulletin 104 (Garr, et. al) and NBMG, Open-File Report 04-1 (Hess, et. al)	There are no oil and gas fields in the site vicinity. There are no oil or gas wells within a 1-mile radius of the subject property.

Information about the regional geology is presented on Table 4-3. This information was obtained from published data and maps, interviews with public agencies, and/or from previous investigations conducted by Kleinfelder or others in the vicinity of the subject property.



TABLE 4-3 REGIONAL GEOLOGY AND HYDROGEOLOGY

Physical Parameter	INFORMATION/COMMENTS
REGIONAL GEOLOGY (Source: Preliminary geologic map of the Moapa West Quadrangle, Clark County, Nevada, [Schmidt, Dwight L.; Page, William R.; Workman, Jeremiah B., USGS Open-File Report 96-521])	The subject property is underlain by Quaternary (Qr) age, recent terrace alluvium (Holocene). Mostly tan silt and sand, but includes sparse gray gravel in upper reach of Muddy River and mostly tan sandy gravel in side stream terraces.
DEPTH TO REGIONAL GROUNDWATER (Source: Nevada Bureau of Water Resources)	Based on the NDWR well log database, 2 wells have been completed in Section 36 (the Section in which the subject property lies) with the approximate depth to groundwater listed as being 12 feet below ground surface. These listings are in the northeast quarter of the northwest quarter of the Section.
DIRECTION OF ANTICIPATED FLOW ¹ (Source: general local knowledge)	The inferred direction of regional groundwater flow is to the east toward the Muddy River.
REGIONAL GROUNDWATER QUALITY PROBLEMS	No information on the regional groundwater quality is known.
WATER SUPPLY (Source: Nevada Bureau of Water Resources and EDR Report)	The well search revealed two irrigation wells in the northeast quarter of the northwest quarter of Section 36, the Section which the subject property is within. The EDR Report listed no Federal or State wells, within one-half mile of the Subject Property.
FLOOD ZONE DESIGNATION (Source: Clark County Regional Flood Control)	According to the Clark County Regional Flood Control database, the subject property is located within the 100-year flood zone (Zone D and Zone AE). See Section 5.7 for additional discussion regarding flood zone designation.

Groundwater flow direction is based on regional information sources. Site-specific conditions may vary due to a variety of factors including geologic anomalies, utilities, nearby pumping wells (if present), and other developments.



4.5. USER PROVIDED INFORMATION

According to Client, the purpose for performing this Phase I ESA is to satisfy due diligence requirements. Information regarding current owner/occupant is listed in Table 4-4.

TABLE 4-4
OWNER/OCCUPANT INFORMATION

Entity	Name		
OWNER	Moapa Paiute Indian Reservation Moapa Paiute Farm		
PROPERTY MANAGER			
OCCUPANT	Not in operation		

Interviews of key individuals ("Key Site Managers") are provided in Section 7. The following section presents information provided by the Client.

4.5.1. Title Records

A Preliminary Title Report or Chain-of-Title Report was not provided to Kleinfelder for review prior to production of this report. These documents may provide information about land including ownership and other interests in the land, easements, and liens. Not all liens, defects, and encumbrances affecting title to the land may be included on the Preliminary Title Report.

4.5.2. Environmental Liens and Activity Usage Limitations

As part of the ASTM E1527-05 process (ASTM E1527-05, Section 6.2), it is the User's responsibility to provide Environmental Liens and Activity Usage Limitations (AULs) information to the environmental professional (Kleinfelder and BEC), unless the agreed scope of services provides otherwise. Our scope of services did not include researching Environmental Liens and Activity Usage Limitations for the subject property, nor was that information provided to Kleinfelder to review.



4.5.3. Value Reduction

As part of the ASTM E1527-05 process (ASTM E1527-05, Section 6.5); the User must provide information regarding the prospective purchase price of the property relative to the fair market value of the subject property. If there appears to be a value reduction, that reduction must be identified with respect to whether the difference could be attributed to environmental degradation of the property.

This Phase I ESA is not being done for purchase and therefore, this portion of Phase I ESA does not apply.

4.5.4. Other Information/Documents Provided

Except has discussed in Section 7 (Interviews) of this Report, no other information/documents were provided to Kleinfelder.

5 HISTORY OF THE SITE

The history of the subject property was researched to identify obvious uses. Historical land use was researched to the first developed use, or back to 1940, whichever was earlier or readily available. For the subject property, the earliest readily ascertainable historical reference available was 1965. Table 5-1 summarizes the availability of information reviewed during this assessment.

TABLE 5-1
HISTORICAL SOURCES

	Years reviewed	Availability
AERIAL PHOTOGRAPHS	1973,1978, 1981, 1994, 1999, 2006, 2011	Available, EDR and Clark County Infomapper
SANBORN FIRE INSURANCE MAPS	Not Applicable	No Coverage
LOCAL STREET DIRECTORIES	None available	No site address
HISTORICAL TOPOGRAPHIC MAPS	1965, 1983	Available, EDR
BUILDING DEPARTMENT	N/A	N/A
PREVIOUS ASSESSMENT(S)	N/A	N/A
OTHER	None	None

5.1. AERIAL PHOTOGRAPHS

A review of historical aerial photography may indicate past activities at a site that may not be documented by other means, or observed during a site visit. The effectiveness of this technique depends on the scale and quality of the photographs and the available coverage. Aerial photographs were obtained from the historical photograph collection held by EDR. Aerial photographs covering the years between 1973 and 2006 were available during the timeframe that this report was being prepared. The Clark County Info Mapper Website was reviewed for a current (Spring 2011) aerial photo review and is used for Plate 2. A tabulation of the aerial photographs reviewed is presented in Table 5-2.



TABLE 5-2
HISTORICAL AERIAL PHOTOGRAPHS REVIEWED

Date	Approximate Scale	Туре	Source	Quality	
1973	1 inch = 1000 feet	Black and White Monoscopic	EDR	Poor	
1978	1 inch = 750 feet	Black and White Monoscopic	EDR	Fair	
1981	1 inch = 1000 feet	Color Monoscopic	EDR	Fair	
1994	1 inch = 500 feet	Color Monoscopic	EDR	Good	
1999	1 inch = 750 feet	Black and White Monoscopic	EDR	Fair	
2006	1 inch = 750 feet	Color Monoscopic	EDR	Excellent	
2011	Variable	Color Monoscopic	Clark County Infomapper	Excellent	

Note: Aerial photographs only provide information on indications of land use and no conclusions regarding the release of hazardous substances or petroleum products can be drawn from the review of photographs alone.

5.1.1. Subject property

The 1973 aerial photograph shows the subject property as undeveloped, but the photograph is washed out and features are hard to discern. The 1978 aerial photograph shows the subject property has been graded and devoid of natural desert vegetation. The 1981 aerial photograph shows structures on the subject property, which appear to be the large greenhouses and support buildings. The subject property remains essentially unchanged in the 1994, 1999, 2006 and the 2011 aerial photographs, as compared to the 1981 aerial photograph. The 2011 aerial photograph is provided as Plates 1 and 2.

The aerials do not present the existence of possible RECs in association with the subject property.



5.1.2. Surrounding Areas

The 1973 aerial photograph is washed out and features are hard to discern, but it appears some of the surrounding area was utilized for farming. The 1978 aerial photograph shows graded and farm land present. The 1981, 1994 and 1999 aerial photographs show the packaging warehouse, with the smaller greenhouse beyond on the west adjacent property. The 2006 aerial photograph shows no significant changes as compared to the 1999 aerial photograph.

The aerials do not present the existence of possible RECs.

5.2. FIRE INSURANCE MAPS

Fire insurance coverage maps, such as those maintained by The Sanborn Map Company, were produced for the purpose of assessing the potential fire hazard of a particular building or area. The maps generally show the type of building construction may show locations of stored chemicals, ASTs, USTs; and also often identify site uses and features not ordinarily available from other sources. These maps are generally available only for historically established urban and suburban areas. These historical fire insurance maps were maintained for various cities from 1867 through the 1950s.

Fire Insurance Maps provide historical land use information for some metropolitan areas and small established towns. The maps generally show the type of building construction, may show locations of stored chemicals, above ground storage tanks, underground storage tanks; and also often identify site uses and features not ordinarily available from other sources.

Kleinfelder requested a search of Fire Insurance Map Coverage by EDR. EDR indicated coverage was not available for the site vicinity. A letter of no coverage is provided with the EDR Report in Appendix D.



5.3. LOCAL STREET DIRECTORIES

Local Street Directories (City Directories) provide information regarding property occupants by address and are one means to evaluate past ownership and property usage.

As the subject property does not have a physical address, Kleinfelder did not perform a search of the local street directories.

5.4. HISTORICAL TOPOGRAPHIC MAP REVIEW

Kleinfelder obtained information regarding historical topographic maps of the site vicinity from EDR. The topographic maps reviewed for this assessment are listed below in Table 5-3.

TABLE 5-3
HISTORICAL TOPOGRAPHIC MAPS REVIEWED

Year	Quadrangle	Series	Scale
1965	Moapa, NV	15 minute	1:62,500
1983	Moapa West, Nevada	7.5 minute	1:24,000

5.4.1. Subject property

The 1965 and the 1983 historic topographic maps do not show any features on the subject property.

5.4.2. Surrounding Areas

The 1965 and the 1983 historic topographic maps do not show any features for the surrounding areas that represent REC's to the subject property.



A cemetery, located to the northwest of the subject property, is present on both topographic maps. The 1983 topographic maps shows a sewage disposal pond located in the northeast direction, on the opposite side of the Muddy River from the Subject Property. A Power Plant (inferred to be the Nevada Energy Reid Gardner facility) is located approximately 1.25 miles to the southeast of the subject property.

5.5. BUILDING DEPARTMENT RECORDS

No Building Department records were reviewed.

5.6. PREVIOUS ASSESSMENTS

No previous assessments for the subject property were provided to Kleinfelder for review. However, the Phase I ESA for the small greenhouse near the subject property was provided for review. The reference Phase I was prepared by Kleinfelder and submitted to NDEP on April 5, 2011, entitled *Phase I Environmental Site Assessment Moapa Paiute Farm Small Greenhouse*. In summary, no conditions were noted in the Phase I ESA for the small greenhouse that represents an REC to the subject property.

It is recommended that the referenced Phase I be reviewed in conjunction with this Phase I to fully understand the REC's for the entire greenhouse site complex. The referenced Phase I was prepared by Kleinfelder and submitted to NDEP on April 5, 2011, and is entitled *Phase I Environmental Site Assessment Moapa Paiute Farm Small Greenhouse*.

5.7. FLOODPLAIN INFORMATION

Plate 3 is a reproduction of the Federal Emergency Management Agency (FEMA) Flood Insurance Rate Map for Clark County, Nevada, Community Panel No. 320036C2553E, dated September 27, 2002. The plate shows the subject property is located predominantly in Zone D; however, the northeast corner of the subject property appears to be located in Zone AE. Zone D is a designation used for areas where there are possible but undetermined flood hazards. In a Zone D, no analysis of flood hazards has been conducted but is presumed based on topography, upstream tributary area



and proximity to drainage features. Zone AE is designated for areas subject to the 1-percent annual chance (100-year flood) floodplains that are determined for the Flood Insurance Studies by a detailed hydraulic analysis. AE zones are the areas of inundation by the 1-percent annual chance flood.

The subject property lies within the Muddy River Floodplain that has experienced numerous severe precipitation and flooding events over the years. The subject property is also situated within the confluence of the Muddy River and an unnamed natural wash. A review of current and historical aerial photographs, topographic maps and in conjunction with the site reconnaissance indicates the subject property is located in an area with a relatively high risk of flooding. According to information provided by Linda Donahue (Moapa Paiute Farm) during the site reconnaissance, the large greenhouses were severely damaged during a flood event.

An example of the extreme flooding risk in Moapa Valley along the Muddy River occurred on August 10, 1981, where a severe thunderstorm in excess of the 100-year return interval occurred in the Moapa Valley resulting in 10 million dollars in damages, 762 dairy cows killed, 252 damaged homes, 25 businesses destroyed and severely damaged infrastructure. The United States Geological Survey estimated flows in the Muddy River to be in excess of 50,000 cubic feet per second during the August 10, 1981 flood event.

If the large greenhouses are restored and intended to be put back into productive use, it is recommended a qualified engineer review the subject property and determine structural flood mitigation measures to protect the subject property from future flood events.



6 SITE RECONNAISSANCE

Kleinfelder's assessment activities included a site reconnaissance. This section summarizes the findings from the site reconnaissance.

6.1. METHODOLOGY AND LIMITING CONDITIONS

On December 1, 2011, Mr. Brian Loffman, a BEC employed State of Nevada Certified Environmental Manager (CEM), performed a site reconnaissance of the subject property and adjacent properties. During the visit, the weather was clear. There were no site access restrictions.

The site reconnaissance included a visual inspection of the site to assist in identifying the presence or likely presence of hazardous substances or petroleum hydrocarbons under conditions that indicate an existing release, a past release, or threat of release into structures, soil, groundwater, or surface water at the site (RECs). Observations of readily apparent environmental conditions are summarized in Table 6-1, and color photographs of the site are presented on Plates 4 and 5.

6.2. GENERAL SITE SETTING

The subject property consists of approximately 7.5 acres in a portion of Clark County APN 030-36-000-006. The subject property is referred to by the Moapa Band of Paiutes as the Moapa Paiute Farm Large Greenhouses.

6.3. SITE OBSERVATIONS

General site observations are further described in Table 6-1, and Table 6-2 further describes the interior and exterior observations as well as observed environmental conditions that may involve the use, storage, disposal or generation of hazardous substances or petroleum products.



TABLE 6-1 SITE OBSERVATIONS

GENERAL OBSERVATIONS	REMARKS	OBSERVED	NOT OBSERVED
Current use of Subject Property	Two greenhouse (damaged, not in use)	Х	
Current use of Subject Property likely to indicate RECs		9	x
Past use of Subject Property			х
Past use of Subject Property likely to indicate RECs	The use of pesticides and herbicides as part of the greenhouse activities may have occurred.	х	
Current use of adjoining properties	North – Vacant land. East – Vacant land. South – Vacant, disturbed land with mesa beyond. West – Small greenhouse and former produce packing plant (currently not in use).	X	
Current use of adjoining properties likely to indicate RECs			x
Past use of adjoining properties	Former produce packing plant		х
Past use of adjoining properties likely to indicate RECs	The use of pesticides and herbicides as part of the greenhouse activities may have occurred.	Х	
Topography of site and surrounding area		X	



TABLE 6-1 CONTINUED

GENERAL OBSERVATIONS	REMARKS	OBSERVED	NOT OBSERVED
Structures	Two damaged greenhouses	X	
Roads		X	
Potable Water Supply			Х
Sewage Disposal System			×

TABLE 6-2
INTERIOR AND EXTERIOR OBSERVATIONS

conditions that may inve	servations or environmental olve the use, storage, of hazardous substances or	OBSERVED	NOT OBSERVED
Aboveground storage tank (AST)	Water tank on subject property and damaged AST on the south adjacent property.		Х
Air emissions			Х
Asbestos and lead	Potential ACM was initially observed along exterior of greenhouse, at ground level. However, it was determined to be non asbestos-containing during the Limited Asbestos Survey (see Section 6.5.		X
Below grade vaults			X
Burned or buried debris			Х
Chemical storage			Х
Chemical mixing areas			Х
Discolored soil or water	Some stained soil near one of the drums adjacent to the west of the greenhouses.	X	
Ditches, streams		- T-478*****	Х



TABLE 6-2 CONTINUED

Interior and exterior obs environmental condition storage, disposal or gen substances or petroleun	s that may involve the use, eration of hazardous	OBSERVED	NOT OBSERVED
Drains and piping (e.g. floor drains, floor trenches, bay drains, sand traps, grease traps)			Х
Drums	(2) 55-gallon	X	
Electrical or hydraulic equipment [PCBs	Pole-mounted transformer, tested non-PCB	х	
Farm waste (e.g. feedlot spoils or manure stockpile)			X
Fill dirt from an unknown source.			X
Fill dirt from a known source			Х
Hazardous chemical and petroleum products in connection with <i>known</i> use.			X
Hazardous chemical and petroleum products in connection with <i>unknown</i> use.			X
Non-hazardous containers with contents			Х
Hazardous waste storage			×
Heating and cooling system and fuel source			Х
Industrial waste treatment equipment			Х



TABLE 6-2 CONTINUED

Interior and exterior observironmental conditionuse, storage, disposal osubstances or petroleur	ns that may involve the or generation of hazardous	OBSERVED	NOT OBSERVED
Loading and unloading areas	4		Х
Odors			Х
Pits, ponds, or lagoons			Х
Pools of liquid			Х
Process waste water			Х
Septic system (e.g. tank and leach fields)			Х
Soil piles			X
Solid waste/evidence of Unauthorized Dumping			X
Stained pavement, soil or concrete	Drums adjacent to greenhouses.	х	
Stains or corrosion (interior, non-water)			Х
Storm drains/catch basins			Х
Stressed vegetation			Х
Sumps and clarifiers			Х
Surface water			X
Underground storage tank(s) (including heating oil tanks)			X
Unidentified substance containers	Drums adjacent to greenhouses.	х	
Waste water discharge			Х
Water supplies (potable and process)	See below	х	
Wells (irrigation, monitoring, or domestic)	Immediately adjacent to site (used for irrigation but currently not in use)	x	
Wells (dry)			Х
Wells (oil and gas)			Х



6.4. RESULTS OF SITE RECONNAISSANCE

The site perimeter was walked and adjacent properties observed (as viewable from the subject property and public rights of way). At the time of our site reconnaissance, a pole-mounted transformer was observed on the subject property just inside the eastern boundary of the subject property, east of the south greenhouse (see Plates 2 and 5). The transformer appeared to be old and was in poor condition with visible signs of corrosion (age of the transformer could not be verified). No stained soil was observed directly beneath the pole-mounted transformer. Based on a visual inspection it could not be determined if the transformer was mineral oil or PCB oil based. However, as discussed in Section 7.3, an Overton Power District #5 employee provided information showing that the transformer oil is non-PCB containing. Therefore, it is not considered to be an REC.

One empty drum was also noted on the subject property adjacent to the west of the north greenhouse (see Plates 2 and 4). No evidence of leakage or soil staining was observed. Therefore, it is not considered to be an REC.

At the time of our site reconnaissance, two 55-gallon drums were observed adjacent to the west of the subject property, immediately west of the north greenhouse. The drums were unlabeled, aged with visible signs of corrosion. One drum was full of an unknown substance and it could not be ascertained if it was a solid or a liquid. The other drum was empty and had a hole at the bottom of the drum. A small quantity of stained soil at the base of the drum was visible and appeared to be petroleum based (see Plates 2 and 5). Since the drums are located off of the subject property, and only minor staining was observed, they are not considered to be an REC.

A small stockpile of asbestos cement pipe was also observed adjacent to the northwest corner of the subject property, west of the north greenhouse (see Plates 2 and 5). The asbestos cement pipe is further discussed in Section 6.5. An irrigation well (currently not in use) was also observed adjacent to the northwest of the subject property, near the northwest corner of the north greenhouse.



6.5. LIMITED ASBESTOS SURVEY

On December 1, 2011, a Limited Asbestos Survey was conducted at the subject property. The survey was performed by a State of Nevada Licensed Asbestos Abatement Consultant accredited under the Asbestos Hazards Emergency Response Act (AHERA). The purpose of the Limited Asbestos Survey was to evaluate the location, condition and quantity of potentially hazardous ACM with asbestos content greater than 1%, which may present a worker safety hazard and/or might require special handling and waste disposal as part of renovation or demolition.

Mr. Brian Loffman (BEC), a Nevada Asbestos Consultant-Inspector (I-1561) performed the survey. All samples were submitted to Fiberquant Analytical Services (Fiberquant) located in Phoenix, Arizona. Fiberquant is certified under the United States Environmental Protection Agency's National Voluntary Laboratory Accreditation Program (NVLAP). A total of eight (8) bulk samples of the following observed suspect asbestos containing building materials (ACM) were collected and submitted to Fiberquant. Suspect ACM's samples collected and submitted for laboratory analysis included asbestos cement pipe and paneling used as a building skirt material around the base of the large greenhouses. The sample locations are shown on Plate 6, and photographs of the building skirt material are shown on Plate 4. The asbestos cement pipe is located adjacent to the west of the subject property. Since it was unclear whether the asbestos cement was pipe located within the subject property boundaries at the time of the site visit, samples were collected.

The sampling strategy complied with the sampling protocol established under AHERA (40 CFR 763.86) with primary emphasis on following the '3-5-7' rule, meaning three samples from less than 1,000 square feet area, five samples from 1,000 to 5,000 square feet area, and seven samples from greater than 5,000 square feet area. ACMs can be classified into three types: sprayed/trowled-on material, Thermal System Insulation (TSI) and miscellaneous items. Examples of miscellaneous materials include sidings, ceiling tiles, cove base, and gasket materials. The north and south greenhouses each had a unique type of skirting material and consisted of approximately 4,000 square feet of miscellaneous category material. Due to the homogeneity and material category (miscellaneous), three (3) samples each were



collected from both the north and south greenhouses. Samples were handled with accepted procedures for the collection, packaging, chain-of-custody documentation and transport of bulk samples to the laboratory for analysis. Once the homogenous areas have been identified for each like material, the required amount of samples of each type of suspect ACM will be collected for analysis. Bulk samples of suspect ACM were collected by spraying the suspect material with amended water, where appropriate, removing a small portion of the material, and placing it into a laboratory-provided or generic zip-lock plastic bag. A Chain of Custody record was prepared to accompany bulk samples to the laboratory (Appendix F).

Based on our observations and a review of the laboratory analytical reports, the following estimated quantities of suspect ACMs are confirmed to be present:

 An estimated 100 linear feet (4-inch diameter) asbestos cement pipe ranging between 10% to 20% chrysotile asbestos and 2% to 5% crocidilite asbestos (samples ACM-007G and ACM-008H). The asbestos cement pipe material was observed to be in good condition and is classified as Category I non-friable ACM. It is considered as Class II asbestos work. The stockpile is located adjacent to the subject property.

A summary of the asbestos survey analytical results is provided in Table 6-3 below.



TABLE 6-3

Sample No.	Sample Location	Sample Description	Layers	Asbestos Content (PLM)	Observed Condition /Friability	Estimated Material Amount
ACM-001A	SWC of South Greenhouse	Paneling – Building Skirt/Fiber Board	Layer 1	ND	G**	4,000 sf
ACM-002B	NWC of South Greenhouse	Paneling – Building Skirt/Fiber Board	Layer 1	ND	G**	4,000 sf
ACM-003C	South Side of South Greenhouse	Paneling – Building Skirt/Fiber Board	Layer 1	ND	G**	4,000 sf
ACM-004D	SWC of North Greenhouse	Paneling – Building Skirt/Fiber Board	Layer 1	ND	G**	4,000 sf
ACM-005E	North Side of North Greenhouse	Paneling – Building Skirt/Fiber Board	Layer 1	ND	G**	4,000 sf
ACM-006F	SEC of North Greenhouse	Paneling – Building Skirt/Fiber Board	Layer 1	ND	G**	4,000 sf
ACM-007G	NWC of North	T''- D'	Layer 1	10-20% Chrysotile	G**	100 lf
ACIVI-UU/G	Greenhouse	Transite Pipe	Layer 2	2-5% Crocidolite	G**	100 lf
ACM-008H	NWC of North	T D.	Layer 1	10-20% Chrysotile	G**	100 lf
ACIVI-UUOTI	Greenhouse	Transite Pipe	Layer 2	2-5% Crocidolite	G**	100 lf

G = Good condition

ND = No Asbestos Detected

sq. ft. = Square feet

NA = Not Applicable

NF = Non-Friable**

lin. ft. = Linear feet

P-F = Poor condition-Friable

asbestos counts in 400 total counts

PC = Point Count

Trace % is reported as 0

** = May become friable during renovation or repair activities.

All quantities are noted in square feet per layer, per homogeneous area, unless otherwise noted. Laboratory described colors may differ from inspector's described colors. Material quantities are estimates only, based on the survey results presented. Contractors are responsible for verifying quantities prior to bid.



7 INTERVIEWS

Key Site Managers are contacted to obtain current and historical environmental information concerning the subject property. The "Key Site Manager" of the subject property is Linda Donahue, office manager for the Moapa Paiute Farm.

7.1. INTERVIEW WITH OWNER REPRESENTATIVE

Ms. Donahue was interviewed during the site reconnaissance portion of this Phase I ESA. Ms. Donahue accompanied BEC during the site reconnaissance.

Ms. Donahue indicated that she had no knowledge of environmental concerns; however, the tribe was concerned about potential ACM at the subject property.

7.2. INTERVIEW WITH CLIENT

Ms. Donahue was interviewed on December 1, 2011, during the site reconnaissance and answers were logged on a standard User Questionnaire (included in Appendix C). According to the User Questionnaire, there are no known environmental issues associated with the subject property. She indicated that only fertilizer had been used at the subject property and no records regarding pesticide/herbicide use at the subject property are available.

7.3. INTERVIEW WITH OTHERS

On February 16, 2012, BEC Mr. Anthony Franks, Tribal Vice Chair and Farm Board Chair, Moapa Band of Paiutes was interviewed regarding environmental conditions at the subject property. Mr. Franks indicated he has been associated with the subject property for approximately 30 years. Mr. Franks did not have any knowledge of activities or uses at the greenhouses that would be considered a REC. Mr. Frank stated that the large greenhouses were never utilized; as they were damaged by a hail storm shortly after construction of the structures was completed. He does not recall the date, but believes that the hail storm in question occurred at least 20 years ago. He



also indicated that small amounts of fertilizer and herbicides/pesticides may have been used, but only for a very short period of time, while vegetables were temporarily staged on site during final construction of the large greenhouses (prior to the hail storm). Please refer to Appendix C for the site manager interview form. Since the large greenhouses were not in use (other than for staging), and use of very little herbicides and pesticides was limited to a very short period, this is not considered to be an REC.

Mr. Richard Jones, Line Superintendent, with Overton Power District #5 was also interviewed. He confirmed the transformer was no longer in service. The transformer oil was tested and shown to be non-PCB containing (below 50 parts per million). Mr. Jones also stated that the transformer has been scheduled for removal. This information can be found in Appendix C.



8 EVALUATION

Kleinfelder performed this ESA of the subject property in conformance with the scope and limitations of ASTM Standard Practice E1527-05. The following sections describe Kleinfelder's findings and provide general background information about the subject property. Findings include RECs, historical RECs, and notation of deminimus quantities, as applicable to the subject property. Business environmental risk issues are discussed in Section 8.3, Deviations. In summary, Kleinfelder's assessment revealed the following information about the subject property:

8.1. BACKGROUND

The subject property consists of approximately 7.5 acres in the approximate southeast portion of Clark County APN 030-36-000-006. The subject property is referred to as the Moapa Paiute Farm Large Greenhouses.

8.2. FINDINGS AND OPINIONS

An historical profile of the subject property was developed using information obtained during our review of regulatory databases and one or more of the following historical sources: aerial photographs, topographic maps, fire insurance maps, and street directories.

The subject property does not appear on any of the federal, state, and/or local environmental databases reviewed, with the exception of the Tribal Lands database

There were no *recognized environmental conditions* (RECs, as defined in Section 2.1) noted for the subject property during the preparation of this Phase I ESA. However, the following conditions of potential environmental concern were noted:

A pole-mounted transformer was observed on the subject property just inside the
eastern boundary of the subject property, east of the south greenhouse. The
transformer appeared to be old and was in poor condition with visible signs of



corrosion (age of the transformer could not be verified). No stained soil was observed directly beneath the pole-mounted transformer, and the transformer oil has been tested and classified as non-PCB containing. It is also scheduled for removal by the Overton Power District #5. Therefore, it is not considered an REC.

- Two 55-gallon drums were observed adjacent to the west of the subject property, west of the north greenhouse. The drums were unlabeled and aged, with visible signs of corrosion, but no observed stains. One drum was full of an unknown substance and it could not be ascertained if it was a solid or a liquid. The other drum was empty and had a hole at the bottom of the drum. A small quantity of stained soil at the base of the drum was visible and appeared to be petroleum based (see Plate 5). Since the drums are located off of the subject property, and only minor soil staining was observed, they are not considered an REC.
- One empty drum was noted on the subject property adjacent to the west of the north greenhouse. No evidence of leakage or soil staining was observed.
 Therefore, it is not considered an REC.
- An irrigation well (currently not in use) was observed to the northwest of the subject property, at the northwest corner of the north greenhouse.
- Herbicide and pesticide use is of potential environmental concern for properties
 used for agricultural purposes. However, the large greenhouses were damaged
 shortly after construction, and were not used to grow produce. No records of
 pesticide or herbicide use were revealed during the preparation of the Phase I
 ESA, and interviews revealed that very limited (if any) herbicide and pesticide
 use occurred on the subject property. Therefore, this is not considered an REC.

There were no *historic recognized environmental conditions* (historic REC, as defined in Section 2.1) noted for the subject property during the preparation of this Phase I ESA.



<u>Asbestos</u>

The Limited Asbestos Survey was conducted to evaluate the presence of potential ACM in the form of 3-foot high skirting around the base of the large greenhouses. The Limited Asbestos Survey revealed that the skirting material around the greenhouses is not ACM, and the analysis shows it to be fiberglass.

The Limited Asbestos Survey included sampling of a stockpile of approximately 100 linear feet (multiple 10' to 12' sections) of cement pipe located adjacent to the subject property, near the north greenhouse. Sample analysis confirmed the piping to be ACM (asbestos cement piping). At the time of this survey, the suspect ACM appeared to be in good condition and it is not located on the subject property; therefore, it does not currently pose a hazard. It is possible; however, that asbestos-cement piping is used for water utilities on the subject property.

8.3. DEVIATIONS AND ADDITIONAL SERVICES

An evaluation of business environmental risk associated with the parcel(s) was not included in Kleinfelder's scope of services. The ESA does not incorporate non-scope considerations, such as, radon, lead-based paint testing, lead in drinking water testing, wetlands, regulatory compliance, cultural and historical resources, industrial hygiene, health and safety, ecological resources, endangered species, indoor air quality, and high voltage power lines.

8.4. CONCLUSIONS AND RECOMMENDATIONS

We have performed a Phase I ESA in conformance with the scope and limitations of ASTM Practice E1527 on a portion of Clark County Assessor Parcel 030-36-000-006. The subject property has no address, but is located at the end of Greenhouse Road on the Moapa River Indian Reservation. Any exceptions to, or deviations from, this practice are described in Section 8.3 of this report. This assessment revealed no evidence of RECs in connection with the subject property.



Based on the risk management criteria of the subject property owner, the following potential environmental concerns found on the subject property may warrant consideration:

- A pole-mounted transformer was observed on the subject property just inside the
 eastern boundary of the subject property, east of the south greenhouse. The
 transformer appeared to be old and was in poor condition with visible signs of
 corrosion, but no observed stains. No stained soil was observed directly
 beneath the pole-mounted transformer, and the transformer oil has been tested
 and classified as non- PCB containing. It is scheduled for removal by the
 Overton Power District #5.
- One empty drum was noted on the subject property adjacent to the west of the north greenhouse. No evidence of leakage or soil staining was observed.
- Herbicide and pesticide use is of potential environmental concern for properties
 used for agricultural purposes. However, the large greenhouses were damaged
 shortly after construction, and were not used to grow produce. No records of
 pesticide or herbicide use were revealed during the preparation of the Phase I
 ESA, and interviews revealed that very limited (if any) herbicide and pesticide
 use occurred on the subject property.

Other potential environmental concerns are discussed in Section 8.2, but they are not located on the subject property.

Asbestos

The Limited Asbestos Survey included sampling of a stockpile of approximately 100 linear feet (multiple 10' to 12' sections) of cement pipe located adjacent to the subject property, near the north greenhouse. Sample analysis confirmed the piping to be ACM (asbestos cement piping). At the time of this survey, the suspect ACM appeared to be in good condition and it is not located on the subject property; therefore, it does not currently pose a hazard. It is possible; however, that asbestos-cement piping is used for water utilities on the subject property.



8.4.1. Data Gaps

As prescribed with ASTM Standard Practice E 1527-05 (Section 12.7), a review of potential data gaps was performed as part of this assessment. No data gaps for the subject property or within a 0.25 mile radius of the subject property was identified.



9 REFERENCES

- American Society for Testing and Materials (ASTM), 2005. Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process; ASTM Designation E 1527-05, November 14, 2005.
- Clark County Regional Flood Control District. *FloodZone*. Accessed December 8, 2011. http://breccia.ccrfcd.org/website/floodex.
- Garside, L.J., R.H. Hess, K.L. Fleming and B.S. Weimer, 1988. *Oil and Gas Developments in Nevada*, Nevada Bureau of Mines and Geology Bulletin 104.
- Hess, R.H., S.P. Fitch, and S.N. Warren, 2004. *Nevada Oil and Gas Well Database* (*NVOILWEL*). Nevada Bureau of Mines and Geology Open-File Report 04-1. June 1.
- Federal Emergency Management Association, FIRM Panel 32003C0607E, September 27, 2022.
- Environmental Data Resources, 2011.
- United States Geologic Survey, 1983. Moapa West, Nev. Quadrangle, 7.5 Minute Series (Topographic).
- United States Geologic Survey, 1965. Moapa, Nev. Quadrangle, 15 Minute Series (Topographic).
- Additional sources are provided in Appendix D and also may be referenced separately in the report text.





Map Source:
Clark County, Nevada
County Assessor's Office
OpenWeb Info Mapper
Assessor's Map and Aerial Photograph
Fall 2011







SUBJECT PROPERTY AND VICINITY MAP

Moapa Paiute Farm Large Greenhouses Moapa Indian Reservation A portion of APN 030-36-000-006 Moapa, Clark County, Nevada PLATE

Original in Color

1

Drawn by: PJT | Checked by: JPF

Date: 02/22/12

PROJECT NO.: 122785.01





Subject Property

Map Source:
Clark County, Nevada
County Assessor's Office
OpenWeb Info Mapper
Assessor's Map and Aerial Photograph
Fall 2011

Original in Color
AERIAL VIEW OF SUBJECT SITE



Moapa Paiute Farm Large Greenhouses
Moapa Indian Reservation
A portion of APN 030-36-000-006
Moapa, Clark County, Nevada

PLATE

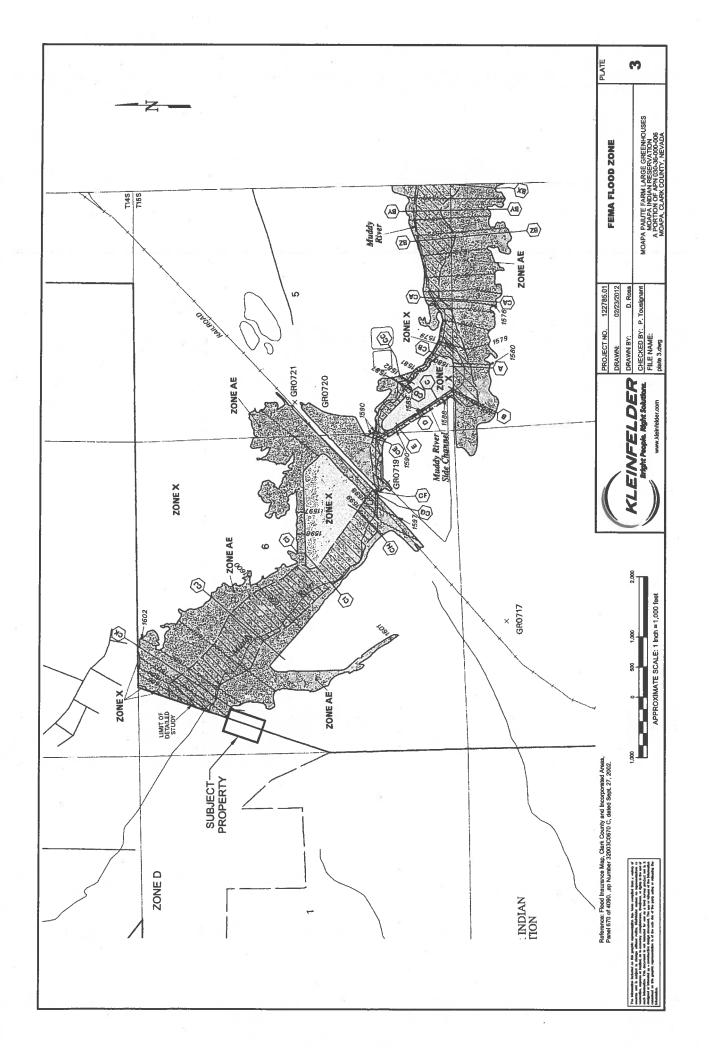
2

Drawn by: PJT | Checked by: JPF

Date: 02/22/12

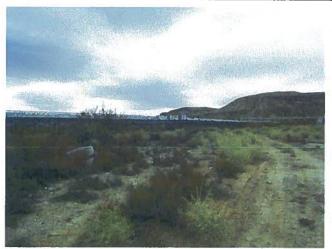
PROJECT NO.: 122785.01

@ 2012 Kleinfelde





Exterior of South Greenhouse



West side of subject property



Empty drum adjacent to west of North Greenhouse



West adjacent property



Fiberglass skirting outside North Greenhouse



Fiberglass skirting outside South Greenhouse



Checked by: JPF

SITE PHOTOGRAPHS

Original in Color

Moapa Paiute Farm Large Greenhouses Moapa Indian Reservation A portion of APN 030-36-000-006 Moapa, Clark County, Nevada

Date: 02/22/12 PROJECT NO.: 122785.01

PLATE

4



Pole-mounted transformer



Asbestos-cement pipe (off-site)



55-gallon drums (off-site)



Hole in 55-gallon drum and minor soil staining



SITE PHOTOGRAPHS

Original in Color

PLATE

Moapa Paiute Farm Large Greenhouses Moapa Indian Reservation A portion of APN 030-36-000-006 Moapa, Clark County, Nevada

5

Drawn by: PJT | Checked by: JPF

Date: 02/22/12

PROJECT NO.: 122785.01



5

Sample location

Map Source:
Clark County, Nevada
County Assessor's Office
OpenWeb Info Mapper
Assessor's Map and Aerial Photograph
Fall 2011

Original in Color



LIMITED ASBESTOS SURVEY SAMPLE LOCATIONS

Moapa Paiute Farm Small Greenhouse Moapa Indian Reservation A portion of APN 030-36-000-006 Moapa, Clark County, Nevada PLATE

6

Drawn by: PJT Checked by: JPF

Date: 02/22/12

PROJECT NO.: 122785.01

APPENDIX A

QUALIFICATIONS OF ENVIRONMENTAL PROFESSIONALS



STATEMENT OF QUALIFICATIONS

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

Brian K. Loffman, C.E.M.

Phil J. Tousignant, C.E.M.

APPENDIX B EDR RADIUS MAP REPORT

Moapa Large Greenhouses Greenhouse Road Overton, NV 89040

Inquiry Number: 3217801.2s December 05, 2011

The EDR Radius Map™ Report with GeoCheck®



TABLE OF CONTENTS

SECTION	PAGE
Executive Summary	ES1
Overview Map	2
Detail Map	3
Map Findings Summary	4
Map Findings	7
Orphan Summary	8
Government Records Searched/Data Currency Tracking	GR-1
GEOCHECK ADDENDUM	
Physical Setting Source Addendum	A-1
Physical Setting Source Summary	A-2
Physical Setting SSURGO Soil Map	A-5
Physical Setting Source Map	A-15
Physical Setting Source Map Findings	A-17
Physical Setting Source Records Searched.	A-54

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

Disclaimer - Copyright and Trademark Notice

This Report contains certain information obtained from a variety of public and other sources reasonably available to Environmental Data Resources, Inc. It cannot be concluded from this Report that coverage information for the target and surrounding properties does not exist from other sources. NO WARRANTY EXPRESSED OR IMPLIED, IS MADE WHATSOEVER IN CONNECTION WITH THIS REPORT. ENVIRONMENTAL DATA RESOURCES, INC. SPECIFICALLY DISCLAIMS THE MAKING OF ANY SUCH WARRANTIES, INCLUDING WITHOUT LIMITATION, MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE OR PURPOSE. ALL RISK IS ASSUMED BY THE USER. IN NO EVENT SHALL ENVIRONMENTAL DATA RESOURCES, INC. BE LIABLE TO ANYONE, WHETHER ARISING OUT OF ERRORS OR OMISSIONS, NEGLIGENCE, ACCIDENT OR ANY OTHER CAUSE, FOR ANY LIABILITY ON THE PART OF ENVIRONMENTAL DATA RESOURCES, INC. IS STRICTLY LIMITED TO A REFUND OF THE AMOUNT PAID FOR THIS REPORT. Purchaser accepts this Report "AS IS". Any analyses, estimates, ratings, environmental risk levels or risk codes provided in this Report are provided for illustrative purposes only, and are not intended to provide, nor should they be interpreted as providing any facts regarding, or prediction or forecast of, any environmental risk for any property. Only a Phase I Environmental Site Assessment performed by an environmental professional can provide information regarding the environmental risk for any property. Additionally, the information provided in this Report is not to be construed as legal advice.

Copyright 2011 by Environmental Data Resources, Inc. All rights reserved. Reproduction in any media or format, in whole or in part, of any report or map of Environmental Data Resources, Inc., or its affiliates, is prohibited without prior written permission.

EDR and its logos (including Sanborn and Sanborn Map) are trademarks of Environmental Data Resources, Inc. or its affiliates. All other trademarks used herein are the property of their respective owners.

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

GREENHOUSE ROAD OVERTON, NV 89040

COORDINATES

Latitude (North):

36.662300 - 36* 39' 44.3"

Longitude (West): 114.6556 Universal Tranverse Mercator: Zone 11

114.655600 - 114* 39' 20.2"

UTM X (Meters):

709536.3

UTM Y (Meters):

4059769.5

Elevation:

1608 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map:

36114-F6 MOAPA WEST, NV

Most Recent Revision:

1983

AERIAL PHOTOGRAPHY IN THIS REPORT

Photo Year:

2010

Source:

USDA

TARGET PROPERTY SEARCH RESULTS

The target property was not listed in any of the databases searched by EDR.

DATABASES WITH NO MAPPED SITES

No mapped sites were found in EDR's search of available ("reasonably ascertainable ") government records either on the target property or within the search radius around the target property for the following databases:

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

NPL...... National Priority List

Proposed NPL Proposed National Priority List Sites NPL LIENS..... Federal Superfund Liens Federal Delisted NPL site list Delisted NPL..... National Priority List Deletions Federal CERCLIS list CERCLIS...... Comprehensive Environmental Response, Compensation, and Liability Information System FEDERAL FACILITY....... Federal Facility Site Information listing Federal CERCLIS NFRAP site List CERC-NFRAP..... CERCLIS No Further Remedial Action Planned Federal RCRA CORRACTS facilities list CORRACTS..... Corrective Action Report Federal RCRA non-CORRACTS TSD facilities list RCRA-TSDF......RCRA - Treatment, Storage and Disposal Federal RCRA generators list RCRA-LQG......RCRA - Large Quantity Generators RCRA-SQG..... RCRA - Small Quantity Generators RCRA-CESQG...... RCRA - Conditionally Exempt Small Quantity Generator Federal institutional controls / engineering controls registries US ENG CONTROLS..... Engineering Controls Sites List US INST CONTROL..... Sites with Institutional Controls Federal ERNS list ERNS..... Emergency Response Notification System State- and tribal - equivalent CERCLIS SHWS..... Sites Database State and tribal landfill and/or solid waste disposal site lists SWF/LF....Landfill List

State and tribal leaking storage tank lists

State and tribal registered storage tank lists

..... Sites Database

UST...... Underground Storage Tank List

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

AST..... Aboveground Storage Tank List

INDIAN UST...... Underground Storage Tanks on Indian Land

FEMA UST..... Underground Storage Tank Listing

State and tribal voluntary cleanup sites

State and tribal Brownfields sites

BROWNFIELDS..... Project Tracking Database

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS..... A Listing of Brownfields Sites

Local Lists of Landfill / Solid Waste Disposal Sites

DEBRIS REGION 9...... Torres Martinez Reservation Illegal Dump Site Locations

INDIAN ODI...... Report on the Status of Open Dumps on Indian Lands

Local Lists of Hazardous waste / Contaminated Sites

US CDL...... Clandestine Drug Labs

US HIST CDL..... National Clandestine Laboratory Register

Local Land Records

LIENS 2..... CERCLA Lien information

LUCIS.....Land Use Control Information System

Records of Emergency Release Reports

HMIRS..... Hazardous Materials Information Reporting System

Other Ascertainable Records

CONSENT..... Superfund (CERCLA) Consent Decrees

TRIS..... Toxic Chemical Release Inventory System

TSCA...... Toxic Substances Control Act

Act)/TSCA (Toxic Substances Control Act)

HIST FTTS..... FIFRA/TSCA Tracking System Administrative Case Listing SSTS..... Section 7 Tracking Systems ICIS...... Integrated Compliance Information System PADS...... PCB Activity Database System MLTS..... Material Licensing Tracking System RADINFO...... Radiation Information Database FINDS..... Facility Index System/Facility Registry System RAATS......RCRA Administrative Action Tracking System NPDES..... Permitted Facility Listing AIRS..... Permitted Airs Facility Listing HMRI...... Hazardous Materials Repository Information Data SCRD DRYCLEANERS...... State Coalition for Remediation of Drycleaners Listing COAL ASH EPA...... Coal Combustion Residues Surface Impoundments List PCB TRANSFORMER...... PCB Transformer Registration Database COAL ASH DOE...... Sleam-Electric Plan Operation Data

EDR PROPRIETARY RECORDS

EDR Proprietary Records

Manufactured Gas Plants..... EDR Proprietary Manufactured Gas Plants EDR Historical Auto Stations. EDR Proprietary Historic Gas Stations EDR Historical Cleaners..... EDR Proprietary Historic Dry Cleaners

SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified in the following databases.

Elevations have been determined from the USGS Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified. Sites with an elevation equal to or higher than the target property have been differentiated below from sites with an elevation lower than the target property.

Page numbers and map identification numbers refer to the EDR Radius Map report where detailed data on individual sites can be reviewed.

Sites listed in bold italics are in multiple databases.

Unmappable (orphan) sites are not considered in the foregoing analysis.

ADDITIONAL ENVIRONMENTAL RECORDS

Other Ascertainable Records

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

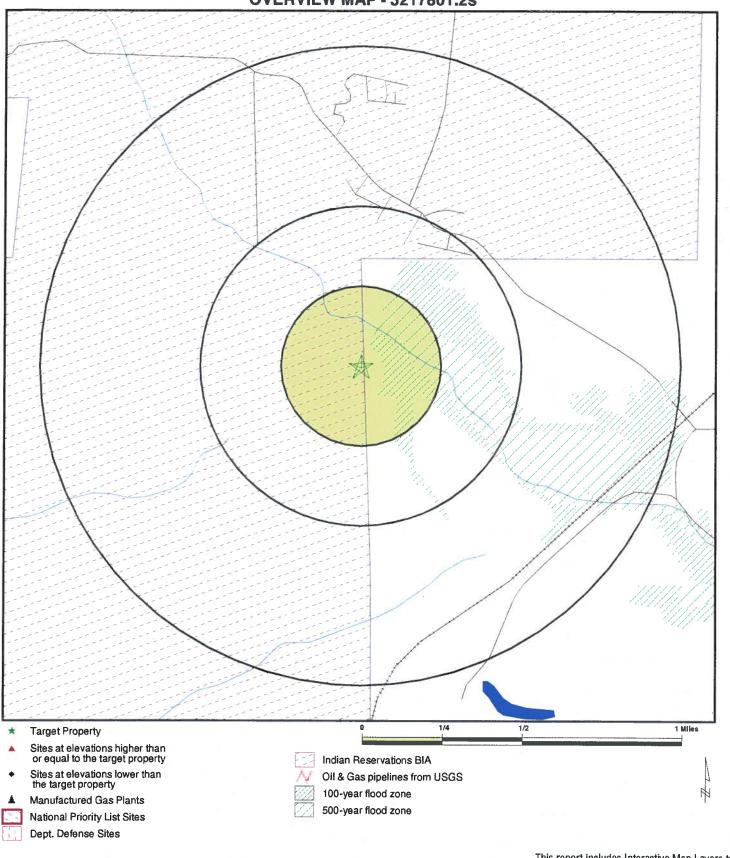
A review of the INDIAN RESERV list, as provided by EDR, and dated 12/31/2005 has revealed that there is 1 INDIAN RESERV site within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
MOAPA RIVER INDIAN RESERVATION		0 - 1/8 (0.000 mi.)	0	7

Due to poor or inadequate address information, the following sites were not mapped. Count: 26 records.

Site Name	Database(s)
SIERRA RANCH COMPANY MOBILE SOURCE	SHWS
BEKINS VAN LINES	SHWS
QUE WEST TRANSPORT	SHWS
DONCO CARRIERS	SHWS
LYNN TRANSPORTATION	SHWS
INTERPOINT TRANSPORTATION MOBILE S	SHWS
NEVADA CO-GENERATION	SHWS
NELLIS AIR FORCE BASE	SHWS
INDIAN SPRINGS AIR FORCE BASE	SHWS
NELLIS AIR FORCE BASE	SHWS
NELLIS AIR FORCE BASE	SHWS
SOUTHERN CALIFORNIA EDISON COMPANY	SHWS
	SHWS, LUST
VALLEY OF FIRE STATE PARK	SHWS
	SHWS
	UST
SIMPLOT SILICA PRODUCTS	UST

OVERVIEW MAP - 3217801.2s



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: Moapa Large Greenhouses

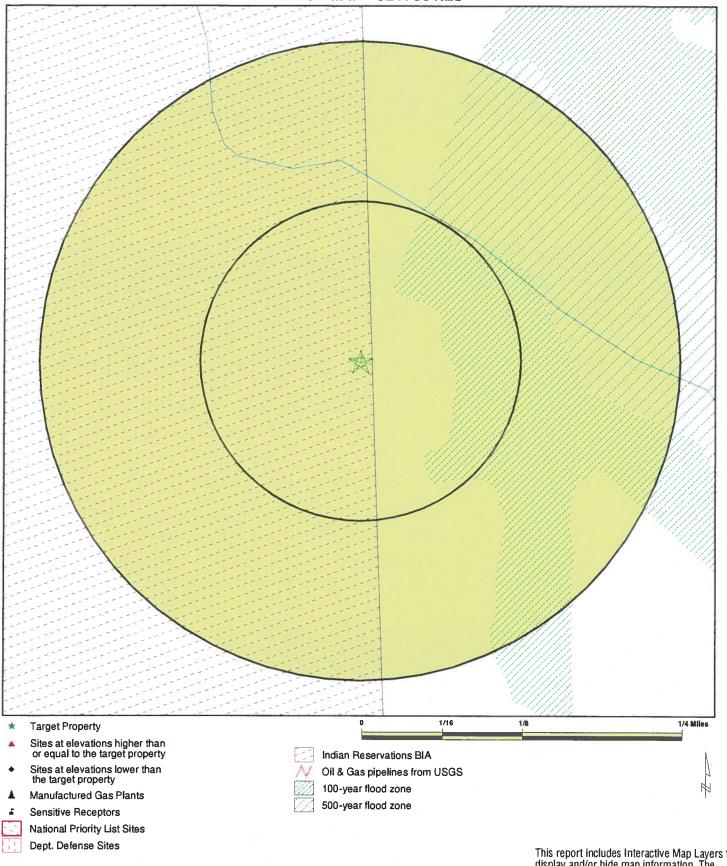
ADDRESS: Greenhouse Road

Overton NV 89040 LAT/LONG: 36.6623 / 114.6556 BEC Environmental, Inc.

CLIENT: BEC Environm CONTACT: Brian Loffman INQUIRY #: 3217801.2s

DATE: December 05, 2011 1:05 pm

DETAIL MAP - 3217801.2s



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: Moapa Large Greenhouses

ADDRESS: Greenhouse Road

LAT/LONG:

Overton NV 89040 36.6623 / 114.6556 CLIENT: BEC Environmental, Inc.

CONTACT: Brian Loffman INQUIRY #: 3217801.2s

DATE: December 05, 2011 1:06 pm

Copyright @ 2011 EDR. Inc. @ 2010 Tele Atlas Ref. 07/2009.

MAP FINDINGS SUMMARY

Database	Target Property	Search Distance (Miles)	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	<u>> 1</u>	Total Plotted
STANDARD ENVIRONME	ENTAL RECORDS							
Federal NPL site list						4		
NPL Proposed NPL NPL LIENS		1.000 1.000 TP	0 0 NR	0 0 NR	0 0 NR	0 0 NR	NR NR NR	0 0 0
Federal Delisted NPL	site list							
Delisted NPL		1.000	0	0	0	0	NR	0
Federal CERCLIS list								
CERCLIS FEDERAL FACILITY		0.500 1.000	0 0	0	0	NR 0	NR NR	0
Federal CERCLIS NFR	RAP site List							
CERC-NFRAP		0.500	0	0	0	NR	NR	0
Federal RCRA CORRA	CTS facilities li	st	8"					
CORRACTS		1.000	0	0	0	0	NR	0
Federal RCRA non-CO	PRRACTS TSD f	acilities list						
RCRA-TSDF		0.500	0	0	0	NR	NR	0
Federal RCRA general	tors list							
RCRA-LQG RCRA-SQG RCRA-CESQG		0.250 0.250 0.250	_ 0 0 0	0 0 0	NR NR NR	NR NR NR	NR NR NR	0 0 0
Federal institutional co								
US ENG CONTROLS US INST CONTROL		0.500 0.500	0 0	0 0	0 0	NR NR	NR NR	0 0
Federal ERNS list								
ERNS		TP	NR	NR	NR	NR	NR	0
State- and tribal - equi	valent CERCLIS	3						
SHWS		1.000	0	0	0	0	NR	0
State and tribal landfill solid waste disposal s								
SWF/LF		0.500	0	0	0	NR	NR	0
State and tribal leaking	g storage tank li	ists						
LUST INDIAN LUST		0.500 0.500	0 0	0 0	0 0	NR NR	NR NR	0 0
State and tribal registe	ered storage tan	k lists						
UST		0.250	0	0	NR	NR	NR	0

MAP FINDINGS SUMMARY

Database	Target	Search Distance	. 4/0	4/0 4/4	414 410	410 4		Total
Database	Property	(Miles)	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Plotted
AST INDIAN UST FEMA UST		0.250 0.250 0.250	0 0 0	0 0 0	NR NR NR	NR NR NR	NR NR NR	0 0 0
State and tribal voluntary	y cleanup site	es						
VCP INDIAN VCP		0.500 0.500	0 0	0 0	0	NR NR	NR NR	0 0
State and tribal Brownfie	elds sites							
BROWNFIELDS		0.500	0	0	0	NR	NR	0
ADDITIONAL ENVIRONMEN	ITAL RECORDS	<u>s</u>						
Local Brownfield lists								
US BROWNFIELDS		0.500	0	0	0	NR	NR	0
Local Lists of Landfill / S Waste Disposal Sites	Solid							
DEBRIS REGION 9		0.500	0	0	0	NR	NR	0
ODI SWRCY		0.500 0.500	0 0	0 0	0 0	NR NR	NR NR	0
INDIAN ODI		0.500	0	0	0	NR	NR	0
Local Lists of Hazardous Contaminated Sites	waste /							
US CDL US HIST CDL		TP TP	NR NR	NR NR	NR NR	NR NR	NR NR	0 0
Local Land Records								
LIENS 2		TP	NR	NR	NR	NR	NR	0
LUCIS		0.500	0	0	0	NR	NR	0
Records of Emergency R	lelease Repo					8		
HMIRS		TP	NR	NR	NR	NR	NR	0
Other Ascertainable Reco	ords			_				
RCRA-NonGen DOT OPS		0.250 TP	0 NR	0 NR	NR NR	NR NR	NR NR	0 0
DOD		1.000	0	0	0	0	NR	0
FUDS		1.000	ŏ	ŏ	ŏ	ŏ	NR	Õ
CONSENT		1.000	0	0	0	0	NR	Ō
ROD		1.000	0	0	0	0	NR	0
UMTRA		0.500	- 0	0	0	□ NR	NR	0
MINES		0.250	= 0	0	NR	NR	NR	0
TRIS TSCA		TP TP	NR NR	NR NR	NR NR	NR NR	NR NR	0
FTTS		TP	NR	NR	NR NR	NR NR	NR NR	0 0
HIST FTTS		TP	NR	NR	NR	NR	NR	0
SSTS		TP	NR	NR	NR	NR	NR	Ŏ
ICIS		TP	NR	NR	NR	NR	NR	0

MAP FINDINGS SUMMARY

Database	Target Property	Search Distance (Miles)	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
PADS		TP	NR	NR	NR	NR	NR	0
MLTS		TP	NR	NR	NR	⁻NR	NR	0
RADINFO		TP	NR	NR	NR	NR	NR	- 0
FINDS		TP	NR	NR	NR	NR	NR	0
RAATS		TP	NR	NR	NR	NR	NR	0
NPDES		TP	NR	NR	NR	NR	NR	0
AIRS		TP	NR	NR	NR	NR	NR	0
HMRI		TP	NR	NR	NR	NR =	NR	0
INDIAN RESERV		1.000	1	0	0	0	NR	1
SCRD DRYCLEANERS		0.500	0	0	0	NR	NR	0
COAL ASH EPA		0.500	0	0	0	NR	NR	0
PCB TRANSFORMER		TP	NR	NR	NR	NR	NR	0
COAL ASH DOE		TP	NR	NR	NR	NR	NR	0
COAL ASH		0.500	0	0	0	NR	NR	0
FINANCIAL ASSURANCE		TP	NR	NR	NR	NR	NR	0
EDR PROPRIETARY RECOR	DS							
EDR Proprietary Records								
Manufactured Gas Plants EDR Historical Auto Station EDR Historical Cleaners	IS	1.000 0.250 0.250	0 0 0	0 0 0	0 NR NR	0 NR NR	NR NR NR	0 0 0

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

Map ID Direction

MAP FINDINGS

Direction Distance Elevation

Site

Database(s)

EDR ID Number EPA ID Number

IND RES Region **MOAPA RIVER INDIAN RESERVATION**

INDIAN RESERV

CIND100335 N/A

< 1/8

MOAPA RIVER INDIAN RESERV (County), NV

< 1/8 1 ft.

INDIAN RESERV:

Feature:

Indian Reservation

Name:

Moapa River Indian Reservation

Agency: State: BIA NV

TC3217801.2s Page 7

TC3217801.2s Page 8

ORPHAN SUMMARY

Count: 26 records.

City	EDR ID	Site Name	Site Address	Zip	Database(s)
CLARK COUNTY	S109521955	SIERRA RANCH COMPANY MOBILE SOURCE	INTERSTATE 15 (8.5 MILES N OF		SHIMA
CLARK COUNTY	S109521797	BEKINS VAN LINES	INTERSTATE 15		SHIWS
CLARK COUNTY	S109521918	QUE WEST TRANSPORT	INTERSTATE 15 @ MILE MARKER 02		CHIA
CLARK COUNTY	S109521820	DONCO CARRIERS	INTERSTATE 15 NEAR LITE EXIT		SHIWS
CLARK COUNTY	S109521879	LYNN TRANSPORTATION	INTERSTATE 15 NEAR MILE MARKER		SHWS
CLARK COUNTY	S109521865	INTERPOINT TRANSPORTATION MOBILE S	INTERSTATE 15 @ EXIT 064		SHWS
CLARK COUNTY	S109521892	NEVADA CO-GENERATION	APEX SITE		SHWS
CLARK COUNTY	S110533601	NELLIS AIR FORCE BASE	AREA 2. TANK 10-322		SHWS
CLARK COUNTY	S109521864	INDIAN SPRINGS AIR FORCE BASE	BOX CANYON		SHWS
CLARK COUNTY	\$110533602	NELLIS AIR FORCE BASE	BUILDING #415		SHMS
CLARK COUNTY	\$110533603	NELLIS AIR FORCE BASE	CAMP COBRA - AREA 2		SHWS
CLARK COUNTY	S109944013	SOUTHERN CALIFORNIA EDISON COMPANY	EL DORADO SUBSTATION		SHWS
CLARK COUNTY	S109521793	AMERICAN SAFETY INSTITUTE	U.S. HIGHWAY 95 @ U.S. HIGHWAY		SHWS
CLARK COUNTY	S109521968	TRUCK SPILL	LAKE MEAD BOULEVARD NEAR GOLDA		SHWS
CLARK COUNTY	\$110533600	NELLIS AIR FORCE BASE	60 MILES EAST OF TONOPAH		SHWS
CLARK COUNTY	S109521969	U.S. BUREAU OF LAND MANAGEMENT	NEXT TO NELLIS AIR FORCE BASE		SHWS
CLARK COUNTY	S109944014	U.S. BUREAU OF LAND MANAGEMENT	PUBLIC LANDS		SHWS
CLARK COUNTY	\$110533604	NELLIS AIR FORCE BASE	REVETMENT AREAS		SHWS
CLARK COUNTY	S109521846	FREHNER CONSTRUCTION	STATE ROUTE 376 @ MILE POST 8		SHWS
OVERTON	U004161624	ECHO BAY RESORT	RT 167	89040	
OVERTON	S103877669	OVERTON BEACH RESORT	LAKE MEAD		
OVERTON	S104179007	TEXACO STATION	146 S MAIN ST		SHWS
OVERTON	U004161504	SIMPLOT SILICA PRODUCTS	MEADS HWY	89040	
OVERTON	S104178931	THE WATERHOLE	475 MOAPA VALLEY BLVD		
OVERTON	U003379919	VALLEY OF FIRE STATE PARK	STHY 169	89040	
OVERTON	S106878321	MOAPA VALLEY JR/SR HIGH SCHOOL		89040	SHWS

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

To maintain currency of the following federal and state databases, EDR contacts the appropriate governmental agency on a monthly or quarterly basis, as required.

Number of Days to Update: Provides confirmation that EDR is reporting records that have been updated within 90 days from the date the government agency made the information available to the public.

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

NPL: National Priority List

National Priorities List (Superfund). The NPL is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund Program. NPL sites may encompass relatively large areas. As such, EDR provides polygon coverage for over 1,000 NPL site boundaries produced by EPA's Environmental Photographic Interpretation Center (EPIC) and regional EPA offices.

Date of Government Version: 06/30/2011 Date Data Arrived at EDR: 07/12/2011

Date Made Active in Reports: 09/29/2011

Number of Days to Update: 79

Source: EPA Telephone: N/A

Last EDR Contact: 10/12/2011

Next Scheduled EDR Contact: 01/23/2012

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

Data Release Frequency: Quarterly

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: 06/30/2011 Date Data Arrived at EDR: 07/12/2011

Date Made Active in Reports: 09/29/2011

Number of Days to Update: 79

Source: EPA Telephone: N/A

Last EDR Contact: 10/12/2011

Next Scheduled EDR Contact: 01/23/2012 Data Release Frequency: Quarterly

NPL LIENS: Federal Superfund Liens

Federal Superfund Liens. Under the authority granted the USEPA by CERCLA of 1980, the USEPA has the authority to file liens against real property in order to recover remedial action expenditures or when the property owner received notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

Date of Government Version: 10/15/1991 Date Data Arrived at EDR: 02/02/1994 Date Made Active in Reports: 03/30/1994

Number of Days to Update: 56

Source: EPA

Telephone: 202-564-4267 Last EDR Contact: 08/15/2011

Next Scheduled EDR Contact: 11/28/2011 Data Release Frequency: No Update Planned

Federal Delisted NPL site list

DELISTED NPL: National Priority List Deletions

The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may be deleted from the NPL where no further response is appropriate.

Date of Government Version: 06/30/2011
Date Data Arrived at EDR: 07/12/2011

Date Made Active in Reports: 09/29/2011

Number of Days to Update: 79

Source: EPA Telephone: N/A

Last EDR Contact: 10/12/2011

Next Scheduled EDR Contact: 01/23/2012 Data Release Frequency: Quarterly

Federal CERCLIS list

CERCLIS: Comprehensive Environmental Response, Compensation, and Liability Information System

CERCLIS contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). CERCLIS contains sites which are either proposed to or on the National Priorities List (NPL) and sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 02/25/2011 Date Data Arrived at EDR: 03/01/2011 Date Made Active in Reports: 05/02/2011

Number of Days to Update: 62

Source: EPA

Telephone: 703-412-9810 Last EDR Contact: 11/29/2011

Next Scheduled EDR Contact: 03/12/2012 Data Release Frequency: Quarterly

FEDERAL FACILITY: Federal Facility Site Information listing

A listing of National Priority List (NPL) and Base Realignment and Closure (BRAC) sites found in the Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS) Database where EPA Federal Facilities Restoration and Reuse Office is involved in cleanup activities.

Date of Government Version: 12/10/2010 Date Data Arrived at EDR: 01/11/2011 Date Made Active in Reports: 02/16/2011

Number of Days to Update: 36

Source: Environmental Protection Agency

Telephone: 703-603-8704 Last EDR Contact: 10/14/2011

Next Scheduled EDR Contact: 01/23/2012 Data Release Frequency: Varies

Federal CERCLIS NFRAP site List

CERCLIS-NFRAP: CERCLIS No Further Remedial Action Planned

Archived sites are sites that have been removed and archived from the inventory of CERCLIS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list this site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. This decision does not necessarily mean that there is no hazard associated with a given site; it only means that, based upon available information, the location is not judged to be a potential NPL site.

Date of Government Version: 02/25/2011 Date Data Arrived at EDR: 03/01/2011 Date Made Active in Reports: 05/02/2011 Number of Days to Update: 62

Source: EPA Telephone: 703-412-9810

Last EDR Contact: 11/29/2011

Next Scheduled EDR Contact: 03/12/2012 Data Release Frequency: Quarterly

Federal RCRA CORRACTS facilities list

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 03/09/2011 Date Data Arrived at EDR: 03/15/2011 Date Made Active in Reports: 06/14/2011 Number of Days to Update: 91

Source: EPA Telephone: 800-424-9346 Last EDR Contact: 11/14/2011 Next Scheduled EDR Contact: 02/27/2012 Data Release Frequency: Quarterly

Federal RCRA non-CORRACTS TSD facilities list

RCRA-TSDF: RCRA - Treatment, Storage and Disposal

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Transporters are individuals or entities that move hazardous waste from the generator offsite to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

Date of Government Version: 06/15/2011 Date Data Arrived at EDR: 07/07/2011 Date Made Active in Reports: 08/08/2011

Number of Days to Update: 32

Source: Environmental Protection Agency

Telephone: (415) 495-8895 Last EDR Contact: 10/05/2011

Next Scheduled EDR Contact: 01/16/2012 Data Release Frequency: Quarterly

Federal RCRA generators list

RCRA-LQG: RCRA - Large Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month.

Date of Government Version: 06/15/2011 Date Data Arrived at EDR: 07/07/2011 Date Made Active in Reports: 08/08/2011

Number of Days to Update: 32

Source: Environmental Protection Agency

Telephone: (415) 495-8895 Last EDR Contact: 10/05/2011

Next Scheduled EDR Contact: 01/16/2012 Data Release Frequency: Quarterly

RCRA-SQG: RCRA - Small Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

Date of Government Version: 06/15/2011 Date Data Arrived at EDR: 07/07/2011 Date Made Active in Reports: 08/08/2011

Number of Days to Update: 32

Source: Environmental Protection Agency

Telephone: (415) 495-8895 Last EDR Contact: 10/05/2011

Next Scheduled EDR Contact: 01/16/2012 Data Release Frequency: Quarterly

RCRA-CESQG: RCRA - Conditionally Exempt Small Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Conditionally exempt small quantity generators (CESQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month.

Date of Government Version: 06/15/2011 Date Data Arrived at EDR: 07/07/2011 Date Made Active in Reports: 08/08/2011

Number of Days to Update: 32

Source: Environmental Protection Agency

Telephone: (415) 495-8895 Last EDR Contact: 10/05/2011

Next Scheduled EDR Contact: 01/16/2012

Data Release Frequency: Varies

Federal institutional controls / engineering controls registries

US ENG CONTROLS: Engineering Controls Sites List

A listing of sites with engineering controls in place. Engineering controls include various forms of caps, building foundations, liners, and treatment methods to create pathway elimination for regulated substances to enter environmental media or effect human health.

Date of Government Version: 03/16/2011 Date Data Arrived at EDR: 03/25/2011 Date Made Active in Reports: 06/14/2011 Number of Days to Update: 81

Source: Environmental Protection Agency Telephone: 703-603-0695 Last EDR Contact: 09/12/2011 Next Scheduled EDR Contact: 12/26/2011 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: 03/16/2011 Date Data Arrived at EDR: 03/25/2011 Date Made Active in Reports: 06/14/2011

Source: Environmental Protection Agency Telephone: 703-603-0695

Last EDR Contact: 09/12/2011

Number of Days to Update: 81

Next Scheduled EDR Contact: 12/26/2011 Data Release Frequency: Varies

Federal ERNS list

ERNS: Emergency Response Notification System

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

Date of Government Version: 10/03/2011 Date Data Arrived at EDR: 10/04/2011 Date Made Active in Reports: 11/11/2011

Number of Days to Update: 38

Source: National Response Center, United States Coast Guard

Telephone: 202-267-2180 Last EDR Contact: 10/04/2011

Next Scheduled EDR Contact: 01/16/2012 Data Release Frequency: Annually

State- and tribal - equivalent CERCLIS

SHWS: Sites Database

A listing of correction action sites.

Date of Government Version: 07/27/2011 Date Data Arrived at EDR: 09/27/2011 Date Made Active in Reports: 10/12/2011

Number of Days to Update: 15

Source: Department of Conservation and Natural Resources

Telephone: 775-687-5872 Last EDR Contact: 09/27/2011

Next Scheduled EDR Contact: 01/09/2012 Data Release Frequency: Varies

State and tribal landfill and/or solid waste disposal site lists

SWF/LF: Landfill List

Solid Waste Facilities/Landfill Sites. SWF/LF type records typically contain an inventory of solid waste disposal facilities or landfills in a particular state. Depending on the state, these may be active or inactive facilities or open dumps that failed to meet RCRA Subtitle D Section 4004 criteria for solid waste landfills or disposal

Date of Government Version: 06/08/2010 Date Data Arrived at EDR: 09/09/2010 Date Made Active in Reports: 10/29/2010

Number of Days to Update: 50

Source: Department of Conservation and Natural Resources

Telephone: 775-687-5872 Last EDR Contact: 09/09/2011

Next Scheduled EDR Contact: 12/19/2011 Data Release Frequency: Annually

State and tribal leaking storage tank lists

LUST: Sites Database

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.

Date of Government Version: 07/27/2011 Date Data Arrived at EDR: 09/27/2011 Date Made Active in Reports: 10/12/2011

Number of Days to Update: 15

Source: Department of Conservation and Natural Resources

Telephone: 775-687-5872 Last EDR Contact: 09/27/2011

Next Scheduled EDR Contact: 01/09/2012

Data Release Frequency: Varies

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

Date of Government Version: 08/11/2011 Date Data Arrived at EDR: 08/12/2011 Date Made Active in Reports: 09/13/2011

Number of Days to Update: 32

Source: EPA Region 4 Telephone: 404-562-8677 Last EDR Contact: 10/31/2011

Next Scheduled EDR Contact: 02/13/2012 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: 08/18/2011 Date Data Arrived at EDR: 08/19/2011 Date Made Active in Reports: 09/13/2011

Number of Days to Update: 25

Source: EPA Region 8 Telephone: 303-312-6271 Last EDR Contact: 10/31/2011

Next Scheduled EDR Contact: 02/13/2012 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: 01/31/2011 Date Data Arrived at EDR: 02/01/2011 Date Made Active in Reports: 03/21/2011

Number of Days to Update: 48

Source: Environmental Protection Agency

Telephone: 415-972-3372 Last EDR Contact: 10/31/2011

Next Scheduled EDR Contact: 02/13/2012 Data Release Frequency: Quarterly

INDIAN LUST R7: Leaking Underground Storage Tanks on Indian Land LUSTs on Indian land in Iowa, Kansas, and Nebraska

Date of Government Version: 02/16/2011 Date Data Arrived at EDR: 06/02/2011 Date Made Active in Reports: 09/13/2011

Number of Days to Update: 103

Source: EPA Region 7 Telephone: 913-551-7003 Last EDR Contact: 10/31/2011

Next Scheduled EDR Contact: 02/13/2012 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: 09/12/2011 Date Data Arrived at EDR: 09/13/2011 Date Made Active in Reports: 11/11/2011

Number of Days to Update: 59

Source: EPA Region 6 Telephone: 214-665-6597 Last EDR Contact: 10/31/2011

Next Scheduled EDR Contact: 02/13/2012

Data Release Frequency: Varies

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: 10/01/2011 Date Data Arrived at EDR: 11/01/2011 Date Made Active in Reports: 11/11/2011 Number of Days to Update: 10

Source: EPA Region 1 Telephone: 617-918-1313 Last EDR Contact: 11/01/2011 Next Scheduled EDR Contact: 02/13/2012

Data Release Frequency: Varies

INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land LUSTs on Indian land in Alaska, Idaho, Oregon and Washington.

Date of Government Version: 11/02/2011 Date Data Arrived at EDR: 11/04/2011 Date Made Active in Reports: 11/11/2011

Source: EPA Region 10 Telephone: 206-553-2857 Last EDR Contact: 10/31/2011

Number of Days to Update: 7

Next Scheduled EDR Contact: 02/13/2012 Data Release Frequency: Quarterly

State and tribal registered storage tank lists

UST: Underground Storage Tank List

Registered Underground Storage Tanks. UST's are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA) and must be registered with the state department responsible for administering the UST program. Available information varies by state program.

Date of Government Version: 07/27/2011 Date Data Arrived at EDR: 09/27/2011 Date Made Active in Reports: 10/11/2011

Source: Department of Conservation and Natural Resources Telephone: 775-687-5872

Last EDR Contact: 09/27/2011 Next Scheduled EDR Contact: 01/09/2012

Data Release Frequency: Varies

Number of Days to Update: 14

AST: Aboveground Storage Tank List Registered Aboveground Storage Tanks.

> Date of Government Version: 01/10/2000 Date Data Arrived at EDR: 01/11/2000 Date Made Active in Reports: 02/16/2000 Number of Days to Update: 36

Source: Department of Conservation and Natural Resources

Telephone: 775-687-5872 Last EDR Contact: 09/26/2011

Next Scheduled EDR Contact: 01/09/2012 Data Release Frequency: Varies

INDIAN UST R10: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 10 (Alaska, Idaho, Oregon, Washington, and Tribal Nations).

Date of Government Version: 11/02/2011 Date Data Arrived at EDR: 11/04/2011 Date Made Active in Reports: 11/11/2011 Number of Days to Update: 7

Source: EPA Region 10 Telephone: 206-553-2857 Last EDR Contact: 10/31/2011

Next Scheduled EDR Contact: 02/13/2012 Data Release Frequency: Quarterly

INDIAN UST R9: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 9 (Arizona, California, Hawaii, Nevada, the Pacific Islands, and Tribal Nations).

Date of Government Version: 08/04/2011 Date Data Arrived at EDR: 08/05/2011 Date Made Active in Reports: 09/13/2011 Number of Days to Update: 39

Source: EPA Region 9 Telephone: 415-972-3368 Last EDR Contact: 10/31/2011

Next Scheduled EDR Contact: 02/13/2012 Data Release Frequency: Quarterly

INDIAN UST R6: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 6 (Louisiana, Arkansas, Oklahoma, New Mexico, Texas and 65 Tribes).

Date of Government Version: 05/10/2011 Date Data Arrived at EDR: 05/11/2011 Date Made Active in Reports: 06/14/2011 Number of Days to Update: 34

Source: EPA Region 6 Telephone: 214-665-7591 Last EDR Contact: 10/31/2011 Next Scheduled EDR Contact: 02/13/2012 Data Release Frequency: Semi-Annually

INDIAN UST R1: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 1 (Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, Vermont and ten Tribal Nations).

Date of Government Version: 10/01/2011 Date Data Arrived at EDR: 11/01/2011 Date Made Active in Reports: 11/11/2011

Number of Days to Update: 10

Source: EPA, Region 1 Telephone: 617-918-1313 Last EDR Contact: 10/31/2011

Next Scheduled EDR Contact: 02/13/2012 Data Release Frequency: Varies

INDIAN UST R8: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 8 (Colorado, Montana, North Dakota, South Dakota, Utah, Wyoming and 27 Tribal Nations).

Date of Government Version: 08/18/2011 Date Data Arrived at EDR: 08/19/2011 Date Made Active in Reports: 09/13/2011

Number of Days to Update: 25

Source: EPA Region 8 Telephone: 303-312-6137 Last EDR Contact: 10/31/2011

Next Scheduled EDR Contact: 02/13/2012 Data Release Frequency: Quarterly

INDIAN UST R7: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 7 (Iowa, Kansas, Missouri, Nebraska, and 9 Tribal Nations).

Date of Government Version: 04/01/2011 Date Data Arrived at EDR: 06/01/2011 Date Made Active in Reports: 06/14/2011

Number of Days to Update: 13

Source: EPA Region 7 Telephone: 913-551-7003 Last EDR Contact: 10/31/2011

Next Scheduled EDR Contact: 02/13/2012

Data Release Frequency: Varies

INDIAN UST R5: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 5 (Michigan, Minnesota and Wisconsin and Tribal Nations).

Date of Government Version: 07/01/2011 Date Data Arrived at EDR: 08/26/2011 Date Made Active in Reports: 09/13/2011

Number of Days to Update: 18

Source: EPA Region 5 Telephone: 312-886-6136 Last EDR Contact: 10/31/2011

Next Scheduled EDR Contact: 02/13/2012 Data Release Frequency: Varies

INDIAN UST R4: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 4 (Alabama, Florida, Georgia, Kentucky, Mississippi, North Carolina, South Carolina, Tennessee and Tribal Nations)

Date of Government Version: 08/11/2011 Date Data Arrived at EDR: 08/12/2011 Date Made Active in Reports: 09/13/2011

Number of Days to Update: 32

Source: EPA Region 4 Telephone: 404-562-9424 Last EDR Contact: 10/31/2011

Next Scheduled EDR Contact: 02/13/2012 Data Release Frequency: Semi-Annually

FEMA UST: Underground Storage Tank Listing

A listing of all FEMA owned underground storage tanks.

Date of Government Version: 01/01/2010 Date Data Arrived at EDR: 02/16/2010 Date Made Active in Reports: 04/12/2010 Number of Days to Update: 55

Source: FEMA Telephone: 202-646-5797 Last EDR Contact: 10/17/2011 Next Scheduled EDR Contact: 01/30/2012

Data Release Frequency: Varies

State and tribal voluntary cleanup sites

INDIAN VCP R7: Voluntary Cleanup Priority Lisiting

A listing of voluntary cleanup priority sites located on Indian Land located in Region 7.

Date of Government Version: 03/20/2008 Date Data Arrived at EDR: 04/22/2008 Date Made Active in Reports: 05/19/2008

Telephone: 913-551-7365 Last EDR Contact: 04/20/2009

Source: EPA, Region 7

Number of Days to Update: 27

Next Scheduled EDR Contact: 07/20/2009

Data Release Frequency: Varies

VCP: Voluntary Cleanup Program Sites

The Voluntary Cleanup Program provides relief from liability to owners who undertake cleanups of contaminated properties under the oversight of the Nevada Division of Environmental Protection.

Date of Government Version: 08/16/2011 Date Data Arrived at EDR: 09/27/2011 Date Made Active in Reports: 10/12/2011 Source: Department of Conservation & Natural Resources

Telephone: 775-687-9381 Last EDR Contact: 09/27/2011

Number of Days to Update: 15

Next Scheduled EDR Contact: 01/09/2012

Data Release Frequency: Varies

INDIAN VCP R1: Voluntary Cleanup Priority Listing

A listing of voluntary cleanup priority sites located on Indian Land located in Region 1.

Date of Government Version: 08/04/2011 Date Data Arrived at EDR: 10/04/2011 Date Made Active in Reports: 11/11/2011

Source: EPA, Region 1 Telephone: 617-918-1102 Last EDR Contact: 10/04/2011

Number of Days to Update: 38

Next Scheduled EDR Contact: 01/16/2012 Data Release Frequency: Varies

State and tribal Brownfields sites

BROWNFIELDS: Project Tracking Database

Brownfields sites included in the Project Tracking Database. The term "brownfields" is used to describe abandoned, idled, or underused industrial or commercial properties taken out of productive use because of real or perceived risks from environmental contamination. The State of Nevada has initiated Brownfields, a land-recycling program, to provide an opportunity to redevelop these undesirable properties and revitalize communities.

Date of Government Version: 07/27/2011 Date Data Arrived at EDR: 09/27/2011 Date Made Active in Reports: 10/12/2011

Source: Division of Environmental Protection

Telephone: 775-687-9384 Last EDR Contact: 09/27/2011

Number of Days to Update: 15

Next Scheduled EDR Contact: 01/09/2012

Data Release Frequency: Varies

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS: A Listing of Brownfields Sites

Included in the listing are brownfields properties addresses by Cooperative Agreement Recipients and brownfields properties addressed by Targeted Brownfields Assessments. Targeted Brownfields Assessments-EPA's Targeted Brownfields Assessments (TBA) program is designed to help states, tribes, and municipalities—especially those without EPA Brownfields Assessment Demonstration Pilots--minimize the uncertainties of contamination often associated with brownfields. Under the TBA program, EPA provides funding and/or technical assistance for environmental assessments at brownfields sites throughout the country. Targeted Brownfields Assessments supplement and work with other efforts under EPA's Brownfields Initiative to promote cleanup and redevelopment of brownfields. Cooperative Agreement Recipients-States, political subdivisions, territories, and Indian tribes become Brownfields Cleanup Revolving Loan Fund (BCRLF) cooperative agreement recipients when they enter into BCRLF cooperative agreements with the U.S. EPA 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: 06/27/2011 Date Data Arrived at EDR: 06/27/2011 Date Made Active in Reports: 09/13/2011

Number of Days to Update: 78

Source: Environmental Protection Agency

Telephone: 202-566-2777 Last EDR Contact: 09/28/2011

Next Scheduled EDR Contact: 01/09/2012 Data Release Frequency: Semi-Annually

Local Lists of Landfill / Solid Waste Disposal Sites

ODI: Open Dump Inventory

An open dump is defined as a disposal facility that does not comply with one or more of the Part 257 or Part 258

Subtitle D Criteria.

Date of Government Version: 06/30/1985 Date Data Arrived at EDR: 08/09/2004 Date Made Active in Reports: 09/17/2004

Number of Days to Update: 39

Source: Environmental Protection Agency

Telephone: 800-424-9346 Last EDR Contact: 06/09/2004 Next Scheduled EDR Contact: N/A

Data Release Frequency: No Update Planned

DEBRIS REGION 9: Torres Martinez Reservation Illegal Dump Site Locations

A listing of illegal dump sites location on the Torres Martinez Indian Reservation located in eastern Riverside County and northern Imperial County, California.

Date of Government Version: 01/12/2009 Date Data Arrived at EDR: 05/07/2009

Date Made Active in Reports: 09/21/2009 Number of Days to Update: 137 Source: EPA, Region 9 Telephone: 415-947-4219 Last EDR Contact: 09/26/2011

Next Scheduled EDR Contact: 01/09/2012
Data Release Frequency: No Update Planned

SWRCY: Recycling Information Listing
A listing of recycling facilities in Nevada.

Date of Government Version: 08/01/2011 Date Data Arrived at EDR: 09/01/2011 Date Made Active in Reports: 10/31/2011

Number of Days to Update: 60

Source: Department of Environmental Protection

Telephone: 775-687-9463 Last EDR Contact: 11/22/2011

Next Scheduled EDR Contact: 03/05/2012 Data Release Frequency: Varies

INDIAN ODI: Report on the Status of Open Dumps on Indian Lands Location of open dumps on Indian land.

Date of Government Version: 12/31/1998 Date Data Arrived at EDR: 12/03/2007 Date Made Active in Reports: 01/24/2008

Number of Days to Update: 52

Source: Environmental Protection Agency

Telephone: 703-308-8245 Last EDR Contact: 11/07/2011

Next Scheduled EDR Contact: 02/20/2012 Data Release Frequency: Varies

Local Lists of Hazardous waste / Contaminated Sites

US CDL: Clandestine Drug Labs

A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

Date of Government Version: 06/08/2011 Date Data Arrived at EDR: 09/16/2011 Date Made Active in Reports: 09/29/2011 Number of Days to Update: 13

Source: Drug Enforcement Administration Telephone: 202-307-1000 Last EDR Contact: 09/07/2011 Next Scheduled EDR Contact: 12/19/2011 Data Release Frequency: Quarterly

US HIST CDL: National Clandestine Laboratory Register

A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratones or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

Date of Government Version: 09/01/2007 Date Data Arrived at EDR: 11/19/2008 Date Made Active in Reports: 03/30/2009

Number of Days to Update: 131

Source: Drug Enforcement Administration Telephone: 202-307-1000

Last EDR Contact: 03/23/2009

Next Scheduled EDR Contact: 06/22/2009 Data Release Frequency: No Update Planned

Local Land Records

LIENS 2: CERCLA Lien Information

A Federal CERCLA ('Superfund') lien can exist by operation of law at any site or property at which EPA has spent Superfund monies. These monies are spent to investigate and address releases and threatened releases of contamination. CERCLIS provides information as to the identity of these sites and properties.

Date of Government Version: 09/09/2011 Date Data Arrived at EDR: 09/16/2011 Date Made Active in Reports: 09/29/2011

Number of Days to Update: 13

Source: Environmental Protection Agency

Telephone: 202-564-6023 Last EDR Contact: 10/31/2011

Next Scheduled EDR Contact: 02/13/2012 Data Release Frequency: Varies

LUCIS: Land Use Control Information System

LUCIS contains records of land use control information pertaining to the former Navy Base Realignment and Closure properties.

Date of Government Version: 12/09/2005 Date Data Arrived at EDR: 12/11/2006 Date Made Active in Reports: 01/11/2007

Number of Days to Update: 31

Source: Department of the Navy Telephone: 843-820-7326 Last EDR Contact: 11/22/2011

Next Scheduled EDR Contact: 03/05/2012 Data Release Frequency: Varies

Records of Emergency Release Reports

HMIRS: Hazardous Materials Information Reporting System

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

Date of Government Version: 10/04/2011 Date Data Arrived at EDR: 10/04/2011 Date Made Active in Reports: 11/11/2011

Number of Days to Update: 38

Source: U.S. Department of Transportation

Telephone: 202-366-4555 Last EDR Contact: 10/04/2011

Next Scheduled EDR Contact: 01/16/2012 Data Release Frequency: Annually

Other Ascertainable Records

RCRA-NonGen: RCRA - Non Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

Date of Government Version: 06/15/2011 Date Data Arrived at EDR: 07/07/2011 Date Made Active in Reports: 08/08/2011

Number of Days to Update: 32

Source: Environmental Protection Agency

Telephone: (415) 495-8895 Last EDR Contact: 10/05/2011

Next Scheduled EDR Contact: 01/16/2012

Data Release Frequency: Varies

DOT OPS: Incident and Accident Data

Department of Transporation, Office of Pipeline Safety Incident and Accident data.

Date of Government Version: 07/29/2011 Date Data Arrived at EDR: 08/09/2011 Date Made Active in Reports: 11/11/2011

Number of Days to Update: 94

Source: Department of Transporation, Office of Pipeline Safety

Telephone: 202-366-4595 Last EDR Contact: 11/08/2011

Next Scheduled EDR Contact: 02/20/2012

Data Release Frequency: Varies

DOD: Department of Defense Sites

This data set consists of federally owned or administered lands, administered by the Department of Defense, that have any area equal to or greater than 640 acres of the United States, Puerto Rico, and the U.S. Virgin Islands.

Date of Government Version: 12/31/2005 Date Data Arrived at EDR: 11/10/2006 Date Made Active in Reports: 01/11/2007

Number of Days to Update: 62

Source: USGS

Telephone: 888-275-8747 Last EDR Contact: 10/20/2011

Next Scheduled EDR Contact: 01/30/2012 Data Release Frequency: Semi-Annually

FUDS: Formerly Used Defense Sites

The listing includes locations of Formerly Used Defense Sites properties where the US Army Corps of Engineers is actively working or will take necessary cleanup actions.

Date of Government Version: 12/31/2009 Date Data Arrived at EDR: 08/12/2010 Date Made Active in Reports: 12/02/2010

Number of Days to Update: 112

Source: U.S. Army Corps of Engineers

Telephone: 202-528-4285 Last EDR Contact: 09/12/2011

Next Scheduled EDR Contact: 12/26/2011

Data Release Frequency: Varies

CONSENT: Superfund (CERCLA) Consent Decrees

Major legal settlements that establish responsibility and standards for cleanup at NPL (Superfund) sites. Released periodically by United States District Courts after settlement by parties to litigation matters.

Date of Government Version: 06/01/2011 Date Data Arrived at EDR: 08/19/2011 Date Made Active in Reports: 09/29/2011 Number of Days to Update: 41

Source: Department of Justice, Consent Decree Library Telephone: Varies

Last EDR Contact: 10/03/2011

Next Scheduled EDR Contact: 01/16/2012

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: 07/31/2011 Date Data Arrived at EDR: 09/14/2011 Date Made Active in Reports: 09/29/2011

Number of Days to Update: 15

Source: EPA

Telephone: 703-416-0223 Last EDR Contact: 09/14/2011

Next Scheduled EDR Contact: 12/26/2011 Data Release Frequency: Annually

UMTRA: Uranium Mill Tailings Sites

Uranium ore was mined by private companies for federal government use in national defense programs. When the mills shut down, large piles of the sand-like material (mill tailings) remain after uranium has been extracted from the ore. Levels of human exposure to radioactive materials from the piles are low; however, in some cases tailings were used as construction materials before the potential health hazards of the tailings were recognized.

Date of Government Version: 09/14/2010 Date Data Arrived at EDR: 10/21/2010 Date Made Active in Reports: 01/28/2011

Number of Days to Update: 99

Source: Department of Energy Telephone: 505-845-0011 Last EDR Contact: 11/29/2011

Next Scheduled EDR Contact: 03/12/2012

Data Release Frequency: Varies

MINES: Mines Master Index File

Contains all mine identification numbers issued for mines active or opened since 1971. The data also includes violation information.

Date of Government Version: 08/18/2011 Date Data Arrived at EDR: 09/08/2011 Date Made Active in Reports: 09/29/2011

Number of Days to Update: 21

Source: Department of Labor, Mine Safety and Health Administration

Telephone: 303-231-5959 Last EDR Contact: 09/08/2011

Next Scheduled EDR Contact: 12/19/2011 Data Release Frequency: Semi-Annually

TRIS: Toxic Chemical Release Inventory System

Toxic Release Inventory System. TRIS identifies facilities which release toxic chemicals to the air, water and land in reportable quantities under SARA Title III Section 313.

Date of Government Version: 12/31/2009 Date Data Arrived at EDR: 12/17/2010 Date Made Active in Reports: 03/21/2011

Number of Days to Update: 94

Source: EPA

Telephone: 202-566-0250 Last EDR Contact: 12/02/2011

Next Scheduled EDR Contact: 03/12/2012 Data Release Frequency: Annually

TSCA: Toxic Substances Control Act

Toxic Substances Control Act. TSCA identifies manufacturers and importers of chemical substances included on the TSCA Chemical Substance Inventory list. It includes data on the production volume of these substances by plant site.

Date of Government Version: 12/31/2006 Date Data Arrived at EDR: 09/29/2010 Date Made Active in Reports: 12/02/2010

Number of Days to Update: 64

Source: EPA

Telephone: 202-260-5521 Last EDR Contact: 09/27/2011

Next Scheduled EDR Contact: 01/09/2012 Data Release Frequency: Every 4 Years

FTTS: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act) FTTS tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA, TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act). To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 04/09/2009 Date Data Arrived at EDR: 04/16/2009 Date Made Active in Reports: 05/11/2009

Number of Days to Update: 25

Source: EPA/Office of Prevention, Pesticides and Toxic Substances

Telephone: 202-566-1667 Last EDR Contact: 11/28/2011

Next Scheduled EDR Contact: 03/12/2012 Data Release Frequency: Quarterly

FTTS INSP: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
A listing of FIFRA/TSCA Tracking System (FTTS) inspections and enforcements.

Date of Government Version: 04/09/2009 Date Data Arrived at EDR: 04/16/2009 Date Made Active in Reports: 05/11/2009 Number of Days to Update: 25 Source: EPA

Telephone: 202-566-1667 Last EDR Contact: 11/28/2011

Next Scheduled EDR Contact: 03/12/2012 Data Release Frequency: Quarterly

HIST FTTS: FIFRA/TSCA Tracking System Administrative Case Listing

A complete administrative case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006 Date Data Arrived at EDR: 03/01/2007 Date Made Active in Reports: 04/10/2007 Number of Days to Update: 40

Source: Environmental Protection Agency Telephone: 202-564-2501 Last EDR Contact: 12/17/2007

Next Scheduled EDR Contact: 03/17/2008 Data Release Frequency: No Update Planned

HIST FTTS INSP: FIFRA/TSCA Tracking System Inspection & Enforcement Case Listing

A complete inspection and enforcement case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006 Date Data Arrived at EDR: 03/01/2007 Date Made Active in Reports: 04/10/2007 Number of Days to Update: 40 Source: Environmental Protection Agency

Telephone: 202-564-2501 Last EDR Contact: 12/17/2008

Next Scheduled EDR Contact: 03/17/2008 Data Release Frequency: No Update Planned

SSTS: Section 7 Tracking Systems

Section 7 of the Federal Insecticide, Fungicide and Rodenticide Act, as amended (92 Stat. 829) requires all registered pesticide-producing establishments to submit a report to the Environmental Protection Agency by March 1st each year. Each establishment must report the types and amounts of pesticides, active ingredients and devices being produced, and those having been produced and sold or distributed in the past year.

Date of Government Version: 12/31/2009 Date Data Arrived at EDR: 12/10/2010 Date Made Active in Reports: 02/25/2011 Number of Days to Update: 77

Source: EPA

Telephone: 202-564-4203 Last EDR Contact: 10/31/2011

Next Scheduled EDR Contact: 02/13/2012 Data Release Frequency: Annually

ICIS: Integrated Compliance Information System

The Integrated Compliance Information System (ICIS) supports the information needs of the national enforcement and compliance program as well as the unique needs of the National Pollutant Discharge Elimination System (NPDES) program.

Date of Government Version: 01/07/2011 Date Data Arrived at EDR: 01/21/2011 Date Made Active in Reports: 03/21/2011

Number of Days to Update: 59

Source: Environmental Protection Agency

Telephone: 202-564-5088 Last EDR Contact: 09/26/2011

Next Scheduled EDR Contact: 01/09/2012 Data Release Frequency: Quarterly

PADS: PCB Activity Database System

PCB Activity Database. PADS Identifies generators, transporters, commercial storers and/or brokers and disposers of PCB's who are required to notify the EPA of such activities.

Date of Government Version: 11/01/2010 Date Data Arrived at EDR: 11/10/2010 Date Made Active in Reports: 02/16/2011

Number of Days to Update: 98

Source: EPA

Telephone: 202-566-0500 Last EDR Contact: 10/19/2011

Next Scheduled EDR Contact: 01/30/2012 Data Release Frequency: Annually

MLTS: Material Licensing Tracking System

MLTS is maintained by the Nuclear Regulatory Commission and contains a list of approximately 8,100 sites which possess or use radioactive materials and which are subject to NRC licensing requirements. To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 06/21/2011 Date Data Arrived at EDR: 07/15/2011 Date Made Active in Reports: 09/13/2011 Number of Days to Update: 60

Source: Nuclear Regulatory Commission Telephone: 301-415-7169 Last EDR Contact: 09/12/2011 Next Scheduled EDR Contact: 12/26/2011

Data Release Frequency: Quarterly

RADINFO: Radiation Information Database

The Radiation Information Database (RADINFO) contains information about facilities that are regulated by U.S. Environmental Protection Agency (EPA) regulations for radiation and radioactivity.

Date of Government Version: 01/11/2011 Date Data Arrived at EDR: 01/13/2011 Date Made Active in Reports: 02/16/2011

Source: Environmental Protection Agency Telephone: 202-343-9775

Number of Days to Update: 34

Last EDR Contact: 10/13/2011 Next Scheduled EDR Contact: 01/23/2012 Data Release Frequency: Quarterly

FINDS: Facility Index System/Facility Registry System

Facility Index System. FINDS contains both facility information and 'pointers' to other sources that contain more detail. EDR includes the following FINDS databases in this report: PCS (Permit Compliance System), AIRS (Aerometric Information Retrieval System), DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes), FURS (Federal Underground Injection Control), C-DOCKET (Criminal Docket System used to track criminal enforcement actions for all environmental statutes), FFIS (Federal Facilities Information System), STATE (State Environmental Laws and Statutes), and PADS (PCB Activity Data System).

Date of Government Version: 04/14/2010 Date Data Arrived at EDR: 04/16/2010 Date Made Active in Reports: 05/27/2010

Source: EPA Telephone: (415) 947-8000 Last EDR Contact: 09/13/2011

Number of Days to Update: 41

Next Scheduled EDR Contact: 12/26/2011 Data Release Frequency: Quarterly

RAATS: RCRA Administrative Action Tracking System

RCRA Administration Action Tracking System. RAATS contains records based on enforcement actions issued under RCRA pertaining to major violators and includes administrative and civil actions brought by the EPA. For administration actions after September 30, 1995, data entry in the RAATS database was discontinued. EPA will retain a copy of the database for historical records. It was necessary to terminate RAATS because a decrease in agency resources made it impossible to continue to update the information contained in the database.

Date of Government Version: 04/17/1995 Date Data Arrived at EDR: 07/03/1995 Date Made Active in Reports: 08/07/1995 Number of Days to Update: 35

Source: EPA

Telephone: 202-564-4104 Last EDR Contact: 06/02/2008

Next Scheduled EDR Contact: 09/01/2008 Data Release Frequency: No Update Planned

BRS: Biennial Reporting System

The Biennial Reporting System is a national system administered by the EPA that collects data on the generation and management of hazardous waste. BRS captures detailed data from two groups: Large Quantity Generators (LQG) and Treatment, Storage, and Disposal Facilities.

Date of Government Version: 12/31/2009 Date Data Arrived at EDR: 03/01/2011 Date Made Active in Reports: 05/02/2011

Source: EPA/NTIS Telephone: 800-424-9346 Last EDR Contact: 11/30/2011

Number of Days to Update: 62

Next Scheduled EDR Contact: 03/12/2012 Data Release Frequency: Biennially

NPDES: Permitted Facility Listing

A listing of permitted wastewater facilities.

Date of Government Version: 10/21/2011 Date Data Arrived at EDR: 10/26/2011 Date Made Active in Reports: 11/28/2011

Number of Days to Update: 33

Source: Department of Environmental Protection

Telephone: 775-687-9414 Last EDR Contact: 10/11/2011

Next Scheduled EDR Contact: 01/09/2012 Data Release Frequency: Varies

AIRS: Permitted Airs Facility Listing

A listing of permitted Airs facilities and their associated emissions information.

Date of Government Version: 03/31/2011 Date Data Arrived at EDR: 03/31/2011 Date Made Active in Reports: 05/13/2011

Number of Days to Update: 43

Source: Division of Environmental Protection

Telephone: 775-687-9359 Last EDR Contact: 09/26/2011

Next Scheduled EDR Contact: 01/09/2012

Data Release Frequency: Varies

HMRI: Hazardous Materials Repository Information Data

Emergency Planning and Community Right-to-Know Act (EPCRA) required facilities which store or manufacture hazardous materials to prepare and submit a chemical inventory report by March 1st of each year to the State Emergency Response Commission (SERC), LEPC and the local fire department. The inventory form must include information on all hazardous chemicals present at the facility during the previous calendar year in amounts that meet or exceed thresholds.

Date of Government Version: 08/05/2008 Date Data Arrived at EDR: 08/05/2008 Date Made Active in Reports: 08/13/2008

Number of Days to Update: 8

Source: State Emergency Response Commission

Telephone: 775-687-6973 Last EDR Contact: 11/17/2011

Next Scheduled EDR Contact: 03/05/2012 Data Release Frequency: Semi-Annually

INDIAN RESERV: Indian Reservations

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

Date of Government Version: 12/31/2005 Date Data Arrived at EDR: 12/08/2006 Date Made Active in Reports: 01/11/2007

Number of Days to Update: 34

Source: USGS

Telephone: 202-208-3710 Last EDR Contact: 10/20/2011

Next Scheduled EDR Contact: 01/30/2012 Data Release Frequency: Semi-Annually

SCRD DRYCLEANERS: State Coalition for Remediation of Drycleaners Listing

The State Coalition for Remediation of Drycleaners was established in 1998, with support from the U.S. EPA Office of Superfund Remediation and Technology Innovation. It is comprised of representatives of states with established drycleaner remediation programs. Currently the member states are Alabama, Connecticut, Florida, Illinois, Kansas, Minnesota, Missoun, North Carolina, Oregon, South Carolina, Tennessee, Texas, and Wisconsin.

Date of Government Version: 03/07/2011 Date Data Arrived at EDR: 03/09/2011 Date Made Active in Reports: 05/02/2011

Number of Days to Update: 54

Source: Environmental Protection Agency

Telephone: 615-532-8599 Last EDR Contact: 10/24/2011

Next Scheduled EDR Contact: 02/06/2012 Data Release Frequency: Varies

COAL ASH DOE: Sleam-Electric Plan Operation Data

A listing of power plants that store ash in surface ponds.

Date of Government Version: 12/31/2005 Date Data Arrived at EDR: 08/07/2009 Date Made Active in Reports: 10/22/2009

Number of Days to Update: 76

Source: Department of Energy Telephone: 202-586-8719 Last EDR Contact: 10/18/2011

Next Scheduled EDR Contact: 01/30/2012 Data Release Frequency: Varies

FEDLAND: Federal and Indian Lands

Federally and Indian administrated lands of the United States. Lands included are administrated by: Army Corps of Engineers, Bureau of Reclamation, National Wild and Scenic River, National Wildlife Refuge, Public Domain Land, Wildemess, Wildemess Study Area, Wildlife Management Area, Bureau of Indian Affairs, Bureau of Land Management, Department of Justice, Forest Service, Fish and Wildlife Service, National Park Service.

Date of Government Version: 12/31/2005 Date Data Arrived at EDR: 02/06/2006 Date Made Active in Reports: 01/11/2007

Number of Days to Update: 339

Source: U.S. Geological Survey Telephone: 888-275-8747 Last EDR Contact: 10/20/2011 Next Scheduled EDR Contact: 01/30/2012

Data Release Frequency: N/A

COAL ASH EPA: Coal Combustion Residues Surface Impoundments List

A listing of coal combustion residues surface impoundments with high hazard potential ratings.

Date of Government Version: 08/17/2010 Date Data Arrived at EDR: 01/03/2011 Date Made Active in Reports: 03/21/2011

Number of Days to Update: 77

Source: Environmental Protection Agency

Telephone: N/A

Last EDR Contact: 09/16/2011

Next Scheduled EDR Contact: 12/26/2011 Data Release Frequency: Varies

FINANCIAL ASSURANCE: Financial Assurance Information Listing

Financial assurance is intended to ensure that resources are available to pay for the cost of closure, post-closure care, and corrective measures if the owner or operator of a regulated facility is unable or unwilling to pay.

Date of Government Version: 12/28/2010 Date Data Arrived at EDR: 12/29/2010 Date Made Active in Reports: 02/02/2011

Number of Days to Update: 35

Source: Department of Environmental Protection

Telephone: 775-687-9465 Last EDR Contact: 09/26/2011

Next Scheduled EDR Contact: 01/09/2012 Data Release Frequency: Varies

PCB TRANSFORMER: PCB Transformer Registration Database

The database of PCB transformer registrations that includes all PCB registration submittals.

Date of Government Version: 01/01/2008 Date Data Arrived at EDR: 02/18/2009 Date Made Active in Reports: 05/29/2009

Number of Days to Update: 100

Source: Environmental Protection Agency Telephone: 202-566-0517

Last EDR Contact: 11/04/2011

Next Scheduled EDR Contact: 02/13/2012 Data Release Frequency: Varies

COAL ASH: Coal Ash Disposal Sites A listing of coal ash plants.

Date of Government Version: 03/16/2011 Date Data Arrived at EDR: 03/18/2011 Date Made Active in Reports: 05/06/2011

Number of Days to Update: 49

Source: Division of Environmental Protection

Telephone: 775-687-9477 Last EDR Contact: 12/05/2011

Next Scheduled EDR Contact: 03/19/2012 Data Release Frequency: Varies

EDR PROPRIETARY RECORDS

EDR Proprietary Records

Manufactured Gas Plants: EDR Proprietary Manufactured Gas Plants

The EDR Proprietary Manufactured Gas Plant Database includes records of coal gas plants (manufactured gas plants) compiled by EDR's researchers. Manufactured gas sites were used in the United States from the 1800's to 1950's to produce a gas that could be distributed and used as fuel. These plants used whale oil, rosin, coal, or a mixture of coal, oil, and water that also produced a significant amount of waste. Many of the byproducts of the gas production, such as coal tar (oily waste containing volatile and non-volatile chemicals), sludges, oils and other compounds are potentially hazardous to human health and the environment. The byproduct from this process was frequently disposed of directly at the plant site and can remain or spread slowly, serving as a continuous source of soil and groundwater contamination.

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

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A

Data Release Frequency: No Update Planned

EDR Historical Auto Stations: EDR Proprietary Historic Gas Stations

EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc.

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

Source: EDR, Inc. Telephone: N/A Last EDR Contact: N/A

Next Scheduled EDR Contact: N/A Data Release Frequency: Varies

EDR Historical Cleaners: EDR Proprietary Historic Dry Cleaners

EDR has searched selected national collections of business directories and has collected listings of potential dry cleaner sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning establishments. The categories reviewed included, but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash & dry etc.

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

Source: EDR, Inc. Telephone: N/A Last EDR Contact: N/A

Next Scheduled EDR Contact: N/A Data Release Frequency: Varies

COUNTY RECORDS

WASHOE COUNTY:

Underground Storage Tank in Washoe County

A listing of underground storage tank sites located in Washoe County.

Date of Government Version: 09/28/2011 Date Data Arrived at EDR: 10/05/2011 Date Made Active in Reports: 10/12/2011

Number of Days to Update: 7

Source: Washoe County Department of Environmental Health

Telephone: 775-328-2493 Last EDR Contact: 10/03/2011

Next Scheduled EDR Contact: 01/16/2012 Data Release Frequency: Quarterly

OTHER DATABASE(S)

Depending on the geographic area covered by this report, the data provided in these specialty databases may or may not be complete. For example, the existence of wetlands information data in a specific report does not mean that all wetlands in the area covered by the report are included. Moreover, the absence of any reported wetlands information does not necessarily mean that wetlands do not exist in the area covered by the report.

CT MANIFEST: Hazardous Waste Manifest Data

Facility and manifest data. Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a tsd facility.

Date of Government Version: 12/31/2007 Date Data Arrived at EDR: 08/26/2009 Date Made Active in Reports: 09/11/2009 Number of Days to Update: 16 Source: Department of Environmental Protection Telephone: 860-424-3375

Last EDR Contact: 11/22/2011

Next Scheduled EDR Contact: 03/05/2012 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: 08/01/2011 Date Data Arrived at EDR: 08/09/2011 Date Made Active in Reports: 09/16/2011

Number of Days to Update: 38

Source: Department of Environmental Conservation

Telephone: 518-402-8651 Last EDR Contact: 11/08/2011

Next Scheduled EDR Contact: 02/20/2012 Data Release Frequency: Annually

Oil/Gas Pipelines: This data was obtained by EDR from the USGS in 1994. It is referred to by USGS as GeoData Digital Line Graphs from 1:100,000-Scale Maps. It was extracted from the transportation category including some oil, but primarily gas pipelines.

Electric Power Transmission Line Data

Source: Rextag Strategies Corp. Telephone: (281) 769-2247

U.S. Electric Transmission and Power Plants Systems Digital GIS Data

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: Child Care Facility List Source: Department of Human Resources

Telephone: 775-684-1100

Flood Zone Data: This data, available in select counties across the country, was obtained by EDR in 2003 & 2011 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002 and 2005 from the U.S. Fish and Wildlife Service.

Scanned Digital USGS 7.5' Topographic Map (DRG)

Source: United States Geologic Survey

A digital raster graphic (DRG) is a scanned image of a U.S. Geological Survey topographic map. The map images are made by scanning published paper maps on high-resolution scanners. The raster image is georeferenced and fit to the Universal Transverse Mercator (UTM) projection.

STREET AND ADDRESS INFORMATION

© 2010 Tele Atlas North America, Inc. All rights reserved. This material is proprietary and the subject of copyright protection and other intellectual property rights owned by or licensed to Tele Atlas North America, Inc. The use of this material is subject to the terms of a license agreement. You will be held liable for any unauthorized copying or disclosure of this material.

GEOCHECK®- PHYSICAL SETTING SOURCE ADDENDUM

TARGET PROPERTY ADDRESS

MOAPA LARGE GREENHOUSES GREENHOUSE ROAD OVERTON, NV 89040

TARGET PROPERTY COORDINATES

Latitude (North):

36.66230 - 36° 39' 44.3"

Longitude (West):

114.6556 - 114' 39' 20.2"

Universal Tranverse Mercator: Zone 11 UTM X (Meters): 709536:

one 11

UTM X (Meters): UTM Y (Meters):

709536.3 4059769.5

Elevation:

1608 ft. above sea level

USGS TOPOGRAPHIC MAP

Target Property Map:

36114-F6 MOAPA WEST, NV

Most Recent Revision:

1983

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.

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).

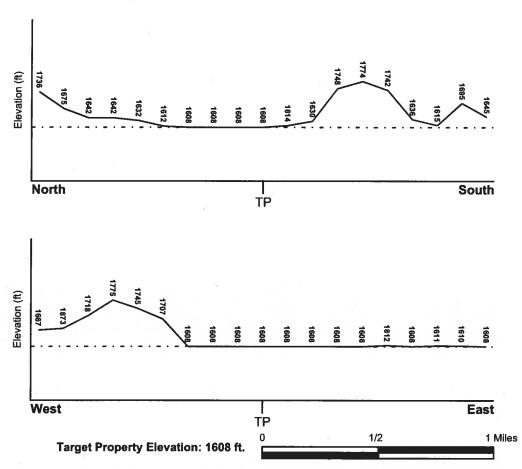
TOPOGRAPHIC INFORMATION

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 North

SURROUNDING TOPOGRAPHY: ELEVATION PROFILES



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.

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

CLARK, NV

FEMA Flood Electronic Data

YES - refer to the Overview Map and Detail Map

Flood Plain Panel at Target Property:

32003C - FEMA DFIRM Flood data

Additional Panels in search area:

Not Reported

NATIONAL WETLAND INVENTORY

NWI Electronic Data Coverage

NWI Quad at Target Property MOAPA WEST

YES - refer to the Overview Map and Detail Map

HYDROGEOLOGIC INFORMATION

Hydrogeologic information obtained by installation of wells on a specific site can often be an indicator of groundwater flow direction in the immediate area. Such hydrogeologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Site-Specific Hydrogeological Data*:

Search Radius:

1.25 miles

Status:

Not found

AQUIFLOW®

Search Radius: 1.000 Mile.

EDR has developed the AQUIFLOW Information System to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted by environmental professionals to regulatory authorities at select sites and has extracted the date of the report, groundwater flow direction as determined hydrogeologically, and the depth to water table.

> LOCATION FROM TP

GENERAL DIRECTION

MAP ID

Not Reported

GROUNDWATER FLOW

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

GEOLOGIC AGE IDENTIFICATION

Category: Continental Deposits

Era:

Cenozoic

System: Series:

Tertiary

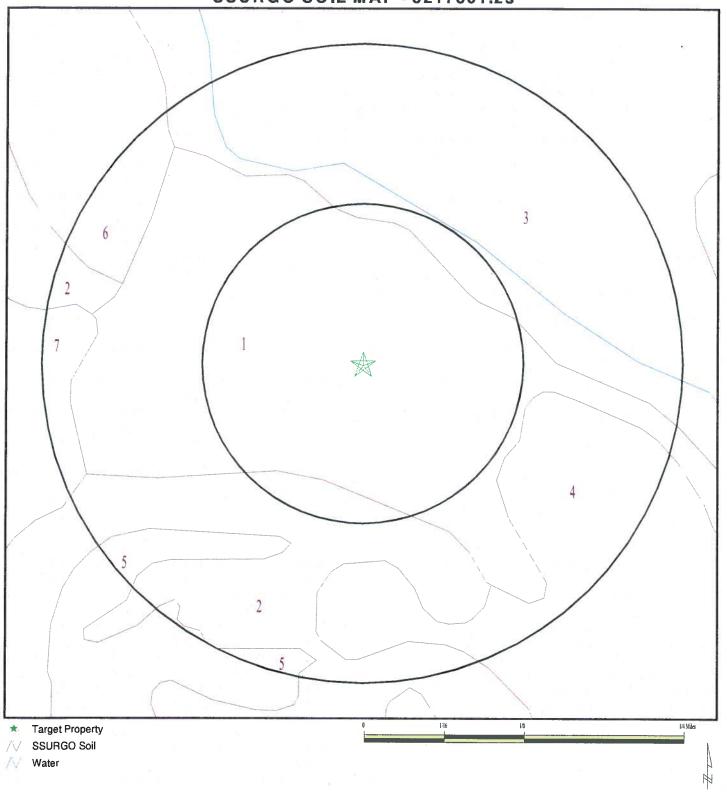
Pliocene

Code:

Tpc (decoded above as Era, System & Series)

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).

SSURGO SOIL MAP - 3217801.2s



SITE NAME: Moapa Large Greenhouses

ADDRESS: Greenhouse Road

Overton NV 89040 36.6623 / 114.6556 LAT/LONG:

CLIENT: BEC Environmental, Inc. CONTACT: Brian Loffman INQUIRY #: 3217801.2s

DATE: December 05, 2011 1:06 pm

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. The following information is based on Soil Conservation Service SSURGO data.

Soil Map ID: 1

Soil Component Name:

Overton

Soil Surface Texture:

silty clay

Hydrologic Group:

Class D - Very slow infiltration rates. Soils are clayey, have a high

water table, or are shallow to an impervious layer.

Soil Drainage Class:

Very poorly drained

Hydric Status: All hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min:

> 0 inches

Depth to Watertable Min:

> 107 inches

			Soil Layer	Information			
	Воц	ındary		Classification		Saturated hydraulic	= 2
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil	conductivity micro m/sec	Soil Reaction (pH)
1	0 inches	7 inches	silty clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit 50% or more), Fat Clay.	Max: 1 Min: 0	Max: 9 Min: 8.5
2	0 inches	7 inches	silty clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit 50% or more), Fat Clay.	Max: 1 Min: 0	Max: 9 Min: 8.5
3	7 inches	25 inches	silty clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit 50% or more), Fat Clay.	Max: 1 Min: 0	Max: 9 Min: 8.5
4	7 inches	25 inches	silty clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit 50% or more), Fat Clay.	Max: 1 Min: 0	Max: 9 Min: 8.5

	Soil Layer Information						
	Boundary			Classification	Saturated hydraulic		
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil	conductivity micro m/sec	OOH IZOUGHOH
5	25 inches	59 inches	stratified loamy fine sand to silty clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit 50% or more), Fat Clay.	Max: 1 Min: 0	Max: 9 Min: 8.5
6	25 inches	59 inches	stratified loamy fine sand to silty clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit 50% or more), Fat Clay.	Max: 1 Min: 0	Max: 9 Min: 8.5

Soil Map ID: 2

Soil Component Name:

Badland

Soil Surface Texture:

silty clay

Hydrologic Group:

Class D - Very slow infiltration rates. Soils are clayey, have a high

water table, or are shallow to an impervious layer.

Soil Drainage Class: Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Not Reported

Depth to Bedrock Min:

> 0 inches

Depth to Watertable Min:

> 0 inches

No Layer Information available.

Soil Map ID: 3

Soil Component Name:

Overton

Soil Surface Texture:

silty clay

Hydrologic Group:

Class D - Very slow infiltration rates. Soils are clayey, have a high water table, or are shallow to an impervious layer.

Soil Drainage Class:

Very poorly drained

Hydric Status: All hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min:

> 0 inches

Depth to Watertable Min:

> 107 inches

Boundary		81	Classi	fication	Saturated hydraulic		
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil	conductivity micro m/sec	
1	0 inches	7 inches	silty clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit 50% or more), Fat Clay.	Max: 1 Min: 0	Max: 9 Min: 8.5
2	0 inches	7 inches	silty clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit 50% or more), Fat Clay.	Max: 1 Min: 0	Max: 9 Min: 8.5
3	7 inches	25 inches	silty clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit 50% or more), Fat Clay.	Max: 1 Min: 0	Max: 9 Min: 8.5
4	7 inches	25 inches	silty clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit 50% or more), Fat Clay.	Max: 1 Min: 0	Max: 9 Min: 8.5
5	25 inches	59 inches	stratified loamy fine sand to silty clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit 50% or more), Fat Clay.	Max: 1 Min: 0	Max: 9 Min: 8.5
6	25 inches	59 inches	stratified loamy fine sand to silty clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit 50% or more), Fat Clay.	Max: 1 Min: 0	Max: 9 Min: 8.5

Soil Map ID: 4

Soil Component Name:

Virgin River

Soil Surface Texture:

silty clay

Hydrologic Group:

Class C - Slow infiltration rates. Soils with layers impeding downward

movement of water, or soils with moderately fine or fine textures.

Soil Drainage Class:

Somewhat poorly drained

Hydric Status: Partially hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min:

> 0 inches

Depth to Watertable Min:

> 153 inches

			Soil Layer	r Information			
Boundary			Classification		Saturated hydraulic		
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil	conductivity micro m/sec	Soil Reaction (pH)
1	0 inches	5 inches	silty clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 4 Min: 1	Max: 8.4 Min: 7.9
2	0 inches	5 inches	silty clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 4 Min: 1	Max: 8.4 Min: 7.9
3	5 inches	35 inches	stratified clay loam to clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Solls.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 4 Min: 1	Max: 8.4 Min: 7.9
4	5 inches	35 inches	stratified clay loam to clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 4 Min: 1	Max: 8.4 Min: 7.9
5	35 inches	59 inches	stratified fine sand to silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 4 Min: 1	Max: 8.4 Min: 7.9

GEOCHECK[®] - PHYSICAL SETTING SOURCE SUMMARY

			Soil Layer	Information			
	Boundary			Classi	fication	Saturated hydraulic	
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil	conductivity micro m/sec	Soil Reaction (pH)
6	35 inches	59 inches	stratified fine sand to silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 4 Min: 1	Max: 8.4 Min: 7.9

Soil Map ID: 5

Soil Component Name:

Bard

Soil Surface Texture:

gravelly fine sandy loam

Hydrologic Group:

Class D - Very slow infiltration rates. Soils are clayey, have a high water table, or are shallow to an impervious layer.

Soil Drainage Class:

Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min:

> 0 inches

Depth to Watertable Min:

> 0 inches

			Soil Layer	r Information			
	Воц	ındary	4c	Classi	fication	Saturated hydraulic	
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil	conductivity micro m/sec	
1	0 inches	5 inches	gravelly fine sandy loam	Granular materials (35 pct. or less passing No. 200), Stone Fragments, Gravel and Sand.	Not reported	Max: 0 Min: 0	Max: Min:
2	0 inches	5 inches	gravelly fine sandy loam	Granular materials (35 pct. or less passing No. 200), Stone Fragments, Gravel and Sand.	Not reported	Max: 0 Min: 0	Max: Min:

				r Information		Saturated	
19	Bou	ndary		Classi	fication hydraulic		
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil	conductivity micro m/sec	Soil Reaction (pH)
3	5 inches	18 inches	fine sandy loam	Granular materials (35 pct. or less passing No. 200), Stone Fragments, Gravel and Sand.	Not reported	Max: 0 Min: 0	Max: Min:
4	5 inches	18 inches	fine sandy loam	Granular materials (35 pct. or less passing No. 200), Stone Fragments, Gravel and Sand.	Not reported	Max: 0 Min: 0	Max: Min:
5	18 inches	22 inches	indurated	Granular materials (35 pct. or less passing No. 200), Stone Fragments, Gravel and Sand.	Not reported	Max: 0 Min: 0	Max: Min:
6	18 inches	22 inches	indurated	Granular materials (35 pct. or less passing No. 200), Stone Fragments, Gravel and Sand.	Not reported	Max: 0 Min: 0	Max: Min:

Soil Map ID: 6

Soil Component Name:

Virgin River

Soil Surface Texture:

silty clay

Hydrologic Group:

Class C - Slow infiltration rates. Soils with layers impeding downward movement of water, or soils with moderately fine or fine textures.

Soil Drainage Class:

Somewhat poorly drained

Hydric Status: Partially hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min:

> 0 inches

Depth to Watertable Min:

> 153 inches

	Воц	ındary		Classification		Saturated hydraulic	11.2
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil	conductivity micro m/sec	Soil Reaction (pH)
1	0 inches	5 inches	silty clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 4 Min: 1	Max: 8.4 Min: 7.9
2	0 inches	5 inches	silty clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 4 Min: 1	Max: 8.4 Min: 7.9
3	5 inches	35 inches	stratified clay loam to clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 4 Min: 1	Max: 8.4 Min: 7.9
4	5 inches	35 inches	stratified clay loam to clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 4 Min: 1	Max: 8.4 Min: 7.9
5	35 inches	59 inches	stratified fine sand to silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 4 Min: 1	Max: 8.4 Min: 7.9
6	35 inches	59 inches	stratified fine sand to silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 4 Min: 1	Max: 8.4 Min: 7.9

Soil Map ID: 7

Soil Component Name:

Anthony

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

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min:

> 0 inches

Depth to Watertable Min:

> 0 inches

	Воц	ındary		Classification		Saturated hydraulic	
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil	conductivity micro m/sec	Soil Reaction (pH)
1	0 inches	7 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: 42 Min: 14	Max: 8.4 Min: 7.9
2	0 inches	7 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: 42 Min: 14	Max: 8.4 Min: 7.9
3	7 inches	59 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: 42 Min: 14	Max: 8.4 Min: 7.9
4	7 inches	59 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: 42 Min: 14	Max: 8.4 Min: 7.9

LOCAL / REGIONAL WATER AGENCY RECORDS

EDR Local/Regional Water Agency records provide water well information to assist the environmental professional in assessing sources that may impact ground water flow direction, and in forming an opinion about the impact of contaminant migration on nearby drinking water wells.

WELL SEARCH DISTANCE INFORMATION

DATABASE

SEARCH DISTANCE (miles)

Federal USGS

1.000

Federal FRDS PWS

Nearest PWS within 1 mile

State Database

1.000

FEDERAL USGS WELL INFORMATION

MAP ID	WELL ID	FROM TP
19	USGS3088448	1/2 - 1 Mile SE
141	USGS3088432	1/2 - 1 Mile SSE
142	USGS3088431	1/2 - 1 Mile SSE

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

MAP ID WELL ID
No PWS System Found

LOCATION FROM TP

LOCATION

140 1 440 Oystelli i Odila

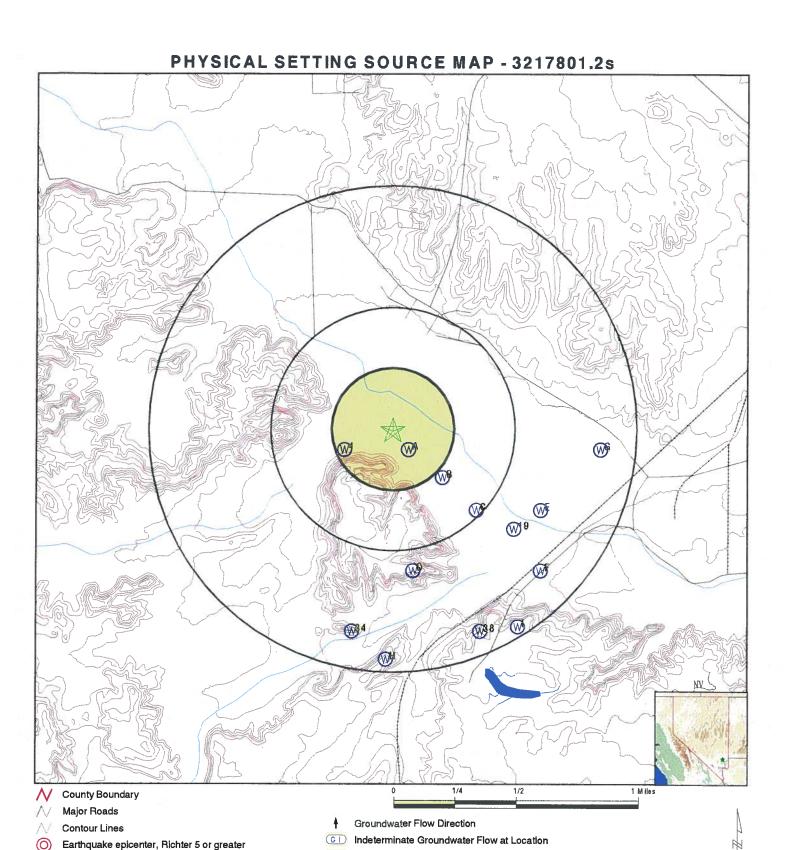
Note: PWS System location is not always the same as well location.

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	FROM TP
A1	NV40000000043442	0 - 1/8 Mile SE
A2	NV400000043443	0 - 1/8 Mile SE
A3	NV400000043444	0 - 1/8 Mile SE
4	NV400000043441	1/8 - 1/4 Mile WSW
B5	NV400000043422	1/4 - 1/2 Mile SE
B6	NV400000043421	1/4 - 1/2 Mile SE
B7	NV400000043424	1/4 - 1/2 Mile SE
B8	NV400000043423	1/4 - 1/2 Mile SE
C9	NV400000043333	1/4 - 1/2 Mile SE
C10	NV400000043332	1/4 - 1/2 Mile SE
C11	NV400000043334	1/4 - 1/2 Mile SE
C12	NV400000043336	1/4 - 1/2 Mile SE
C13	NV400000043335	1/4 - 1/2 Mile SE
D14	NV400000043294	1/2 - 1 Mile South
D15	NV400000043293	1/2 - 1 Mile South
D16	NV400000043296	1/2 - 1 Mile South
D17	NV400000043295	1/2 - 1 Mile South
D18	NV400000043297	1/2 - 1 Mile South

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
E20	NV40000000043339	1/2 - 1 Mile ESE
E21	NV400000043340	1/2 - 1 Mile ESE
E22	NV400000043337	1/2 - 1 Mile ESE
E23	NV400000043338	1/2 - 1 Mile ESE
E24	NV400000043343	1/2 - 1 Mile ESE
E25	NV400000043344	1/2 - 1 Mile ESE
E26	NV400000043341	1/2 - 1 Mile ESE
E27	NV400000043342	1/2 - 1 Mile ESE
F28	NV400000043300	1/2 - 1 Mile SE
F29	NV400000043299	1/2 - 1 Mile SE
F30	NV400000043298	1/2 - 1 Mile SE
F31	NV400000043303	1/2 - 1 Mile SE
F32	NV400000043302	1/2 - 1 Mile SE
F33	NV400000043301	1/2 - 1 Mile SE
34	NV400000043270	1/2 - 1 Mile SSW
G35	NV400000043445	1/2 - 1 Mile East
G36	NV400000043446	1/2 - 1 Mile East
G37	NV400000043447	1/2 - 1 Mile East
38	NV400000043271	1/2 - 1 Mile SSE
H39	NV400000043265	1/2 - 1 Mile South
H40	NV400000043266	1/2 - 1 Mile South



Public Water Supply Wells Cluster of Multiple Icons

Water Wells

8

P

SITE NAME: Moapa Large Greenhouses ADDRESS: Greenhouse Road

Overton NV 89040 LAT/LONG: 36.6623 / 114.6556 CLIENT: BEC Environmental, Inc.

CONTACT: Brian Loffman INQUIRY#: 3217801.2s

GV Groundwater Flow Varies at Location

(HD) Closest Hydrogeological Data

DATE: December 05, 2011 1:06 pm

GEOCHECK®-PHYSICAL SETTING SOURCE MAP FINDINGS

Direction Distance Elevation			Databasa	EDD ID N
A1			Database	EDR ID Number
SE			NV WELLS	NV4000000043442
) - 1/8 Mile				
-tigher				
Well log:	71206	App:	Not Reported	
Notice of :	17135	Waiver no:	Not Reported	
Date log r:	05/13/1998	Date log 1:	D	
Site type:	N	Work type:	N	
. Work type :	Not Reported			
Proposed u:	G	Drilling m:	В	
Sc:	32003	Ha:	218	
Twn:	S15	Legal twn:	158	
Rng:	E66	Legal rng:	66 E	
Sec:	06	Sec quarte:	BD	
Legal quar:	SE NW	Quarters s:	Not Reported	
Ref:	MD	Latitude:	36	
Longitude:	114	Lat long s:	NV003	
Lat long a:	T			
Owner curr:	NEVADA POWER COMPA	ANY		
Owner addr:	REID GARDNER FACILIT	Υ		
Owner no:	KMW-25			
Parcel no:	690-250-031	Subdivisio:	Not Reported	
Lot no:	Not Reported	Block no:	Not Reported	
Well finis:	04/21/1998	Date cmplt:	D	
Gravel pac:	Y	Depth seal:	4	
Depth dril:	25	Depth bedr:	Ö	
Aquifer de:	Not Reported	Depth case:	25	
Csng diame:	2			
Csng reduc:	0	Top perf:	5	
Bottom per:	25	Perf inter:	1	
Static wl:	3	3		
Temperatur:	0			
Yield:	0			
Drawdown:	0			
Hours pump:	0			
Test metho:	Not Reported	Qual const:	G	
Qual lith :	G	addi ooriot.	S	
Remarks ad:	Not Reported			
Contractor:	34699			
Contract 1:	SPECTRUM EXPLORATION	ON INC		
Contract 2:	5015 SHOREHAM PL SAN			
Contract 3:	0	V DIEGO G/ (02 122		
Driller Ii:	2059	Source age:	NV003	
User id:	KCOON	Date entry:	05/20/1998	
Update use:	Not Reported	Date updat:	06/16/2004	
Edit statu:	F	Well start:	04/17/1998	
Gravel p 1:	4	Gravel p 2:		
Utm x;		Graver p 2:	25	
	709717.359334 4059641.92479			
Utm y: Site id:	NV400000043442			

A2 SE 0 - 1/8 Mile Higher

NV WELLS NV400000043443

GEOCHECK®-PHYSICAL SETTING SOURCE MAP FINDINGS

Well log:	71207	App:	Not Reported		
Notice of :	17135	Waiver no:	Not Reported		
Date log r:	05/13/1998	Date log 1:	D		
Site type:	N	Work type:	N		
Work type :	Not Reported	a i i			
Proposed u:	G	Drilling m:	В		
Sc:	32003	На:	218		
Twn:	S15	Legal twn:	15S		
Rng:	E66	Legal rng:	66E		
Sec:	06	Sec quarte:	BD		
Legal quar:	SE NW	Quarters s:	Not Reported		
Ref:	MD	Latitude:	36		
Longitude:	114	Lat long s:	NV003		
Lat long a:	Т				
Owner curr:	NEVADA POWER COMPANY				
Owner addr:	REID GARDNER FACILITY				
Owner no:	KMW-02M				
Parcel no:	690-250-031	Subdivisio:	Not Reported		
Lot no:	Not Reported	Block no:	Not Reported		
Well finis:	04/21/1998	Date cmplt:	D		
Gravel pac:	Υ :	Depth seal:	38		
Depth dril:	50	Depth bedr:	0		
Aquifer de:	Not Reported	Depth case:	50		
Csng diame:	2				
Csng reduc:	0	Top perf:	40		
Bottom per:	50	Perf inter:	1		
Static wl:	3				
Temperatur:	0				
Yield:	0				
Drawdown:	0				
Hours pump:	0				
Test metho:	Not Reported	Qual const:	G		
Qual lith:	G				
Remarks ad:	Not Reported				
Contractor:	34699				
Contract 1:	SPECTRUM EXPLORATION INC				
Contract 2:	5015 SHOREHAM PL SAN DIEGO CA 92122				
Contract 3:	0				
Driller Ii:	2059	Source age:	NV003		
User id:	KCOON	Date entry:	05/20/1998		
Update use:	user15	Date updat:	06/03/1998		
Edit statu:	F	Well start:	04/17/1998		
Gravel p 1:	38	Gravel p 2:	50		
Utm x:	709717.359334				
Utm y:	4059641,92479				
Outry.	1000011.02-770				

A3
SE
0 - 1/8 Mile
Higher

NV WELLS

NV4000000043444

Well log:	71208	App:	Not Reported
Notice of :	17135	Waiver no:	Not Reported
Date log r:	05/13/1998	Date log 1:	D .
Site type:	N	Work type:	N
Work type :	Not Reported	•	
Proposed u:	G	Drilling m:	В
Sc:	32003	Ha:	218
Twn:	S15	Legal twn:	15S
Rng:	E66	Legal rng:	66E
Sec:	06	Sec quarte:	BD
		•	

SE NW Legal quar: Quarters s: Not Reported MD Latitude: Ref: 36 114 NV003 Longitude: Lat long s: Lat long a: **NEVADA POWER COMPANY** Owner curr: Owner addr: **REID GARDNER FACILITY** Owner no: KMW-02D 690-250-031 Parcel no: Subdivisio: Not Reported Lot no: Not Reported Block no: Not Reported 04/21/1998 Well finis: Date cmplt: D Gravel pac: Depth seal: 62 Depth dril: 74 Depth bedr: 0 Not Reported Aquifer de: Depth case: 74 Csng diame: 2 0 Csng reduc: Top perf: 64 74 Bottom per: Perf inter: Static wl: 3 ō Temperatur: Yield: 0 Drawdown: 0 0 Hours pump: Test metho: Not Reported G Qual const: Qual lith: Remarks ad: Not Reported Contractor: 34699 SPECTRUM EXPLORATION INC Contract 1: Contract 2: 5015 SHOREHAM PL SAN DIEGO CA 92122 Contract 3: 2059 NV003 Driller li: Source age: KCOON 05/20/1998 User id: Date entry: Update use: user15 Date updat: 06/03/1998 Edit statu: F Well start: 04/17/1998 Gravel p 1: 62 Gravel p 2: 74 Utm x: 709717.359334 4059641.92479 Utm y: Site id: NV4000000043444

WSW 1/8 - 1/4 Mile Higher

Depth dril:

25

NV WELLS NV400000043441

0 TC3217801.2s Page A-19

91688	App:	Not Reported
24917	Waiver no:	Not Reported
12/22/2003	Date log 1:	D .
N	Work type:	N
Not Reported	- 51	
G	Drilling m:	В
32003	Ha:	218
S15	Legal twn:	158
E66	Legal rng:	66E
06	Sec quarte:	BC
SW NW	Quarters s:	Not Reported
MD	Latitude:	36
114	Lat long s:	NV003
M		
NEVADA POWER COMPAI	NY.	
501 WALLY KAY WY		
Not Reported		
042-06-301-001	Subdivisio:	Not Reported
Not Reported	Block no:	Not Reported
12/08/2003	Date cmplt:	D
Υ	Depth seal:	5
	24917 12/22/2003 N Not Reported G 32003 S15 E66 06 SW NW MD 114 M NEVADA POWER COMPAI 501 WALLY KAY WY Not Reported 042-06-301-001 Not Reported 12/08/2003	24917 Waiver no: 12/22/2003 Date log 1: N Work type: Not Reported Drilling m: 32003 Ha: S15 Legal twn: E66 Legal rrg: 06 Sec quarte: SW NW Quarters s: MD Latitude: 114 Lat long s: M NEVADA POWER COMPANY. 501 WALLY KAY WY Not Reported 042-06-301-001 Subdivisio: Not Reported Block no: 12/08/2003 Date cmplt:

Depth bedr:

Aquifer de:	Not Reported	Depth case:	25
Csng diame:	4		
Csng reduc:	0	Top perf:	5
Bottom per:	25	Perf inter:	1
Static wl:	15		
Temperatur:	93		
Yield:	0		
Drawdown:	0		
Hours pump:	0		
Test metho:	Not Reported	Qual const:	G
Qual lith :	G .		
Remarks ad:	Not Reported		
Contractor:	54931		
Contract 1:	ELITE DRILLING INC		
Contract 2:	5115 S INDUSTRIAL RD	#104 LAS VEGAS NV 89118	
Contract 3:	0		
Driller li:	1869	Source age:	NV003
User id:	DBRANTLEY	Date entry:	01/13/2004
Update use:	Not Reported	Date updat:	06/16/2004
Edit statu:	F .	Well start:	12/08/2003
Gravel p 1:	5	Gravel p 2:	25
Utm x:	709295.224816	, e	
Utm y:	4059631.60743		
Site id:	NV400000043441		

B5 SE 1/4 - 1/2 Mile Higher

Well log: 1461 Not Reported App: Notice of: Waiver no: Not Reported 10/26/1950 Date log r: D Date log 1: Site type: Ν Work type: Ν Work type: Not Reported С Proposed u: Drilling m: Sc: 32003 Ha: 218 Twn: S15 Legal twn: **15S** E66 66E Rng: Legal rng: Sec: 06 Sec quarte: Not Reported Not Reported Legal quar: Not Reported Quarters s: Ref: MD Latitude: 36 Longitude: 114 Lat long s: NV003 Lat long a:

Owner curr: SEARLES, KENNETH

Owner addr: 2020 W BONANZA RD LAS VEGAS NV

Owner no: WELL 02

Parcel no: Not Reported Subdivisio: Not Reported Lot no: Block no: 09/26/1950 Well finis: Date cmplt: Depth seal: Gravel pac: Υ 100 Depth dril: Depth bedr: Aquifer de: Not Reported Depth case:

Csng diame: 20

 Csng reduc:
 1
 Top perf:
 0

 Bottom per:
 100
 Perf inter:
 1

 Static wi:
 1

 Temperatur:
 0

 Yield:
 400

 Drawdown:
 0

 Hours pump:
 0

Test metho: Not Reported Qual const: G

NV WELLS

Not Reported

Not Reported

D

0

0

100

NV4000000043422

Qual lith:

Remarks ad:

Not Reported

Contractor:

Contract 1:

S R MCKINNEY & SONS INC

Contract 2:

1042 S MAIN ST LAS VEGAS NV

Contract 3:

45

Source age:

NV003

Driller li: User id: Update use:

KCOON Not Reported

Date entry: Date updat:

05/02/1997 10/19/1998

Edit statu: Gravel p 1: F 12 Well start: Gravel p 2: 09/19/1950 20

Utm x: Utm y: Site id: 709945.37136 4059462.47666 NV4000000043422

B6

SE 1/4 - 1/2 Mile **NV WELLS**

NV4000000043421

Higher Well log:

1460 0

32003

S15

E66

06

114

App:

Not Reported

Notice of: Date log r:

10/26/1950

Waiver no: Date log 1: Not Reported D

Site type:

Sec:

Ε

Work type:

Р

Work type: Proposed u:

Not Reported

Drilling m:

С 218

Sc: Twn: Rng:

Ha: Legal twn: Legal rng: Sec quarte:

15S 66E Not Reported

Legal quar: Not Reported MD Ref:

Quarters s: Latitude: Lat long s:

Not Reported 36 NV003

Longitude: Lat long a: Owner curr:

М SEARLES, KENNETH

2020 W BONANZA RD LAS VEGAS NV

Owner addr: Owner no: Parcel no:

WELL 01 Not Reported

Subdivisio:

Not Reported

Lot no: Well finis: Not Reported 09/16/1950

Block no: Date cmplt: Not Reported D

Gravel pac: Depth dril: Aquifer de:

Not Reported 50 Not Reported

Depth seal: Depth bedr: Depth case:

0 0 32

Csng diame: Csng reduc:

20 0 32

Top perf: Perf inter: 0 1

Bottom per: Static wl: Temperatur:

0 0

Yield: 0 Drawdown: 0

Hours pump:

0 Test metho:

Not Reported

Qual const:

G

Qual lith: Remarks ad:

Not Reported

Contractor: Contract 1:

2065 **S R MCKINNEY & SONS INC** 1042 S MAIN ST LAS VEGAS NV

Contract 2: Contract 3:

45 **KCOON** dsdavis F

Source age: Date entry: Date updat: Well start:

NV003 05/02/1997 10/19/1998 09/14/1950

TC3217801.2s Page A-21

Driller li: User id: Update use: Edit statu: Gravel p 1:

0

Gravel p 2:

App:

Waiver no:

Date log 1:

Work type:

Drilling m:

Legal twn:

Legal rng:

Sec quarte:

Quarters s:

Latitude:

Lat long s:

Subdivisio:

Date cmplt:

Depth seal:

Depth bedr:

Depth case:

Top perf:

Perf inter:

Qual const:

Source age:

Date entry:

Date updat:

Well start:

Gravel p 2:

Block no:

Ha:

Utm x: Utm y: Site id: 709945.37136 4059462.47666 NV4000000043421

SE 1/4 - 1/2 Mile

NV WELLS

NV4000000043424

Higher Well log:

Notice of: Date log r: Site type:

Work type: Proposed u:

Sc: Twn: Rng: Sec: Legal quar: Ref:

Longitude: Lat long a: Owner curr:

Owner addr:

Owner no:

Parcel no: Lot no:

Well finis: Gravel pac: Depth dril: Aquifer de: Csng diame:

Csng reduc: Bottom per: Static wi:

Temperatur: Yield: Drawdown: Hours pump:

Test metho: Qual lith:

Remarks ad:

Contractor: Contract 1:

Contract 2: Contract 3: Driller li:

User id: Update use: Edit statu: Gravel p 1:

Utm x: Utm v: Site id:

1463 0

10/26/1950 Not Reported

32003 S15

E66 06 Not Reported

MD 114 М

SEARLES, KENNETH 2020 W BONANZA RD LAS VEGAS NV

Not Reported Not Reported

Not Reported 10/06/1950 Not Reported 75

Not Reported 12

Not Reported

0

Not Reported

2065 S R MCKINNEY & SONS INC 1042 S MAIN ST LAS VEGAS NV

45 **KCOON**

Not Reported

709945.37136 4059462.47666 NV4000000043424 Not Reported

Not Reported D N

C 218 **15S** 66E

Not Reported Not Reported 36

NV003

Not Reported

Not Reported D 0 0 68

0 1

G

NV003

05/02/1997 10/19/1998 10/03/1950 0

Distance Elevation	ž.		Databasa	EDD ID M
ilevation	(a. 1)	74	Database	EDR ID Numbe
E /4 - 1/2 Mile			NV WELLS	NV4000000043423
ligher				
Well log:	1462	App:	Not Reported	
Notice of :	0	Waiver no:	Not Reported	
Date log r:	10/26/1950	Date log 1:	D	
Site type:	N	Work type:	N	
Work type :	Not Reported			
Proposed u:	Н	Drilling m:	C ¹³	
Sc:	32003	Ha:	218	
Twn:	S15	Legal twn:	15S	
Rng:	E66	Legal rng:	66E	
Sec:	06	Sec quarte:	Not Reported	
Legal quar:	Not Reported	Quarters s:	Not Reported	
Ref:	MD	Latitude:	36	
Longitude:	114	Lat long s:	NV003	
Lat long a:	M	9		
Owner curr:	SEARLES, KENNETH			
Owner addr:	2020 W BONANZA RD LA	AS VEGAS NV		
Owner no:	Not Reported			
Parcel no:	Not Reported	Subdivisio:	Not Reported	
Lot no:	Not Reported	Block no:	Not Reported	
Well finis:	09/29/1950	Date cmplt:	D	
Gravel pac:	Not Reported	Depth seal:	0	
Depth dril:	61	Depth bedr:	0	
Aquifer de:	Not Reported	Depth case:	61	
Csng diame:	8	11		
Csng reduc:	0	Top perf:	30	
Bottom per:	61	Perf inter:	1	
Static wl:	7			
Temperatur:	0			
Yield:	40			
Drawdown:	0			
Hours pump:	0			
Test metho:	В	Qual const:	G	
Qual lith :	G			
Remarks ad:	Not Reported			
Contractor:	2065			
Contract 1:	S R MCKINNEY & SONS	INC		
Contract 2:	1042 S MAIN ST LAS VE	GAS NV		
Contract 3:	0			
Driller li:	45	Source age:	NV003	
User id:	KCOON	Date entry:	05/02/1997	
Update use:	Not Reported	Date updat:	10/19/1998	
Edit statu:	F	Well start:	09/28/1950	
Gravel p 1:	0	Gravel p 2:	0	
Utm x:	709945.37136			
Utm y:	4059462.47666			
Site id:	NV400000043423			

C9 SE 1/4 - 1/2 Mile Higher

Well log:	73953	App:	Not Reported
Notice of :	17345	Waiver no:	MO-2765
Date log r:	02/22/1999	Date log 1:	D
Site type:	N	Work type:	N
Work type :	Not Reported		
Proposed u:	G	Drilling m:	В
Sc:	32003	Ha:	218
Twn:	S15	Legal twn:	15S
Rng:	E66	Legal rng:	66E
Sec:	06	Sec quarte:	DB
Legal quar:	NW SE	Quarters s:	Not Reported
Ref:	MD	Latitude:	36
Longitude:	114	Lat long s:	NV003
Lat long a:	T	5	
Owner curr:	NEVADA POWER COM	/PANY	
Owner addr:	REID GARDNER FACI	LITY	
Owner no:	KMW-15		
Parcel no:	690-250-032	Subdivisio:	Not Reported
Lot no:	Not Reported	Block no:	Not Reported
Well finis:	02/04/1999	Date cmplt:	D
Gravel pac:	Υ	Depth seal:	7
Depth dril:	24	Depth bedr:	0
Aquifer de:	Not Reported	Depth case:	24
Csng diame:	2		
Csng reduc:	0	Top perf:	9
Bottom per:	24	Perf inter:	1
Static wl:	12.87		
Temperatur:	0		
Yield:	0		
Drawdown:	0		
Hours pump:	0		
Test metho:	Not Reported	Qual const:	G
Qual lith :	G		
Remarks ad:	Not Reported		
Contractor:	34699		
Contract 1:	SPECTRUM EXPLORA	TION INC	
Contract 2:	5015 SHOREHAM PL S	SAN DIEGO CA 92122	
Contract 3:	0		
Driller li:	2059	Source age:	NV003
User id:	DBRANTLEY	Date entry:	03/08/1999
Update use:	Not Reported	Date updat:	04/01/2002
Edit statu:	F	Well start:	02/04/1999
Gravel p 1:	7	Gravel p 2:	24
Utm x:	710174.148551		
Utm y:	4059252.21442		
Site id:	NV400000043333		
iu.	.11700000000000		

340			
C10 SE /4 - 1/2 Mile ligher	26 11 - 24		NV WELLS
Well log:	70940	App:	Not Reported
Notice of :	17139	Waiver no:	Not Reported
Date log r:	04/01/1998	Date log 1:	D
Site type:	N	Work type:	N
Work type :	Not Reported		
Proposed u:	G	Drilling m:	В
Sc:	32003	Ha:	218
Twn:	S15	Legal twn:	158
Rng:	E66	Legal rng:	66E
Sec:	06	Sec quarte:	DB

NV4000000043332

NW SE Legal quar: Quarters s: Not Reported Ref: MD Latitude: 36 Longitude: 114 Lat long s: NV003 Lat long a: Owner curr: **NEVADA POWER COMPANY REID GARDNER FACILITY** Owner addr: Owner no: KMW-10 Parcel no: 690-250-032 Subdivisio: Not Reported Lot no: Not Reported Block no: Not Reported Well finis: 03/18/1998 Date cmplt: D Gravel pac: Depth seal: 43 Depth dril: 55 Depth bedr: 0 Aquifer de: Not Reported Depth case: 55 Csng diame: 2 0 Csng reduc: Top perf: 45 Bottom per: 55 Perf inter: 1 Static wl: 21.28 Temperatur: 0 Yield: 0 Drawdown: 0 Hours pump: Test metho: Not Reported Qual const: G Qual lith: Remarks ad: Not Reported Contractor: 34699 SPECTRUM EXPLORATION INC Contract 1: 5015 SHOREHAM PL SAN DIEGO CA 92122 Contract 2: Contract 3: Driller li: 2059 NV003 Source age: User id: **DBRANTLEY** 04/29/1998 Date entry: Update use: Not Reported Date updat: 04/01/2002 Edit statu: Well start: 03/16/1998 Gravel p 1: 43 Gravel p 2: 55 Utm x: 710174.148551 Utm y: 4059252.21442 Site id: NV4000000043332

C11 SE 1/4 - 1/2 Mile Higher

NV WELLS NV4000000043334

0 TC3217801.2s Page A-25

Higher			
Well log:	73954	App:	Not Reported
Notice of :	17345	Waiver no:	MO-2765
Date log r:	02/22/1999	Date log 1:	D
Site type:	N	Work type:	N
Work type :	Not Reported		
Proposed u:	G	Drilling m:	В
Sc:	32003	Ha:	218
Twn:	S15	Legal twn:	158
Rng:	E66	Legal rng:	66E
Sec:	06	Sec quarte:	DB
Legal quar:	NW SE	Quarters s:	Not Reported
Ref:	MD	Latitude:	36
Longitude:	114	Lat long s:	NV003
Lat long a:	T		
Owner curr:	NEVADA POWER COMPA	NY	
Owner addr:	REID GARDNER FACILITY	•	
Owner no:	KMW-14		
Parcel no:	690-250-032	Subdivisio:	Not Reported
Lot no:	Not Reported	Block no:	Not Reported
Well finis:	02/04/1999	Date cmplt:	D
Gravel pac:	Υ	Depth seal:	3
Depth dril:	21	Depth bedr:	0 TC3217801 2e

Aquifer de:	Not Reported	Depth case:	21
Csng diame:	2		
Csng reduc:	0	Top perf:	5
Bottom per:	20	Perf inter:	1 : 11
Static wl:	4.85		
Temperatur:	0		
Yield:	0		
Drawdown:	0		
Hours pump:	0		
Test metho:	Not Reported	Qual const:	G
Qual lith :	G		72
Remarks ad:	Not Reported		
Contractor:	34699		
Contract 1:	SPECTRUM EXPLORA	TION INC	
Contract 2:	5015 SHOREHAM PL S	AN DIEGO CA 92122	
Contract 3:	0		
Driller li:	2059	Source age:	NV003
User id:	DBRANTLEY	Date entry:	03/08/1999
Update use:	dsdavis	Date updat:	04/22/1999
Edit statu:	F	Well start:	02/04/1999
Gravel p 1:	3	Gravel p 2:	21
Utm x:	710174.148551		
Utm y:	4059252.21442		
Site id:	NV400000043334		

C12 SE 1/4 - 1/2 Mile Higher

```
91605
Well log:
                                                         App:
                                                                                      Not Reported
Notice of:
                          24916
                                                         Waiver no:
                                                                                      Not Reported
                          12/22/2003
Date log r:
                                                         Date log 1:
Site type:
                                                         Work type:
                                                                                      Ν
Work type:
                          Not Reported
                          G
                                                                                      В
Proposed u:
                                                         Drilling m:
Sc:
                          32003
                                                                                      218
                                                         Ha:
Twn:
                          S15
                                                         Legal twn:
                                                                                      15S
Rng:
                          E66
                                                         Legal rng:
                                                                                      66E
                          06
                                                         Sec quarte:
                                                                                      DB
Sec:
Legal quar:
                          NW SE
                                                         Quarters s:
                                                                                      Not Reported
Ref:
                          MD
                                                         Latitude:
                                                                                      36
                                                         Lat long s:
Longitude:
                          114
                                                                                      NV003
Lat long a:
                          NEVADA POWER COMPANY
Owner curr:
Owner addr:
                          501 WALLY KAY WY MOAPA NV 89025
Owner no:
                          Not Reported
Parcel no:
                          042-06-701-001
                                                         Subdivisio:
                                                                                      Not Reported
Lot no:
                          Not Reported
                                                         Block no:
                                                                                      Not Reported
                          12/08/2003
Well finis:
                                                         Date cmplt:
                                                                                      D
Gravel pac:
                                                         Depth seal:
                                                                                      5
Depth dril:
                          35
                                                         Depth bedr:
                                                                                      0
Aquifer de:
                          Not Reported
                                                         Depth case:
                                                                                      35
Csng diame:
Csng reduc:
                         0
                                                         Top perf:
                                                                                      10
                         35
Bottom per:
                                                         Perf inter:
                                                                                      1
Static wi:
                          15
Temperatur:
                         0
Yield:
                         0
Drawdown:
                         0
Hours pump:
Test metho:
                         Not Reported
                                                         Qual const:
                                                                                      G
```

Qual lith:

Remarks ad:

Not Reported

Contractor:

54931

Contract 1:

ELITE DRILLING INC

Contract 2: Contract 3: 5115 S INDUSTRIAL RD #104 LAS VEGAS NV 89118

Driller li:

1869

Source age:

NV003

User id: Update use: **DBRANTLEY DBRANTLEY** Date entry: Date updat:

01/09/2004 03/05/2004 12/08/2003

Edit statu: Gravel p 1:

5

Well start: Gravei p 2:

35

Utm x: Utm y: Site id: 710174.148551 4059252.21442 NV4000000043336

C13 SE 1/4 - 1/2 Mile Higher

NV WELLS

NV4000000043335

Well log: Notice of:

91604 24916

App: Waiver no: Not Reported Not Reported

Date log r: Site type:

Sc:

Ref:

32003

G

Date log 1: Work type:

D N

Work type: Proposed u:

12/22/2003 Not Reported

Drilling m: Ha:

В 218 **15S**

66E

NV003

Twn: Rng: Sec:

S15 E66 06 **NW SE** MD

Legal rng: Sec quarte: Quarters s: Latitude:

Lat long s:

Legal twn:

DB Not Reported 36

Longitude: Lat long a: Owner curr:

Legal quar:

114 М

NEVADA POWER COMPANY

501 WALLY KAY WY MOAPA NV 89025

Owner addr: Owner no: Parcel no:

Lot no:

Not Reported 042-06-701-001 Not Reported

Subdivisio: Block no:

Not Reported Not Reported D

Well finis: Gravel pac: Depth dril: Aquifer de:

12/08/2003 25

Not Reported

Date cmplt: Depth seal: Depth bedr: Depth case:

5 0 25

Csng diame: Csng reduc:

Top perf: Perf inter: 5 1

Bottom per: Static wi: Temperatur:

0 Yield: 0 Drawdown: 0

Hours pump: Test metho:

0 Not Reported

Qual const:

G

Qual lith: Remarks ad:

Not Reported

54931

Contractor: Contract 1:

Contract 2:

ELITE DRILLING INC

User id:

5115 S INDUSTRIAL RD #104 LAS VEGAS NV 89118

Contract 3: Driller li:

1869 **DBRANTLEY**

5

Source age: Date entry:

NV003 01/09/2004 03/05/2004 12/08/2003

Update use: Edit statu: Gravel p 1:

DBRANTLEY F

Date updat: Weil start: Gravel p 2:

TC3217801.2s Page A-27

Utm x: Utm y: Site id: 710174.148551 4059252.21442 NV400000043335

D14 South 1/2 - 1 Mile Higher

Site id:

NV WELLS NV400000043294

Well log: 70937 App: Not Reported 17138 Notice of: Waiver no: Not Reported Date log r: 04/01/1998 Date log 1: D Site type: Work type: N Work type: Not Reported Proposed u: G Drilling m: В Sc: 32003 Ha: 218 Twn: **S15** Legal twn: **15S** Rng: E66 66E Legal mg: Sec: 06 Sec quarte: CD SE SW Legal quar: Quarters s: Not Reported MD Ref: Latitude: 36 Longitude: 114 Lat long s: NV003 Lat long a: Т Owner curr: **NEVADA POWER COMPANY REID GARDNER FACILITY** Owner addr: KMW-1D Owner no: Parcel no: 690-250-030 Subdivisio: Not Reported Lot no: Not Reported Block no: Not Reported Well finis: 03/17/1998 Date cmplt: D Gravel pac: Depth seal: 63 Depth dril: 75 Depth bedr: 0 Aquifer de: Not Reported Depth case: 75 Csng diame: 2 0 Csng reduc: Top perf: 65 Bottom per: 75 Perf inter: 1 17.44 Static wl: Temperatur: 0 Yield: 0 Drawdown: 0 Hours pump: Test metho: Not Reported Qual const: G Qual lith: Not Reported Remarks ad: Contractor: 34699 SPECTRUM EXPLORATION INC Contract 1: Contract 2: 5015 SHOREHAM PL SAN DIEGO CA 92122 Contract 3: Driller li: 2059 NV003 Source age: User id: **DBRANTLEY** Date entry: 04/29/1998 Update use: Not Reported Date updat: 08/05/2005 Edit statu: F Well start: 02/25/1998 Gravel p 1: Gravel p 2: 75 Utm x: 709761.796052 Utm v: 4058841.21868

NV4000000043294

Distance Elevation			Database	EDR ID Number
015 South 1/2 - 1 Mile Higher			NV WELLS	NV4000000043293
Well log:	70936	App:	Not Reported	
Notice of :	17138	Waiver no:	Not Reported	
Date log r:	04/01/1998	Date log 1:	D	
Site type:	N	Work type:	N	
Work type :	Not Reported			A 8
Proposed u:	G	Drilling m:	В	
Sc:	32003	Ha:	218	
Twn:	S15	Legal twn:	158	
Rng:	E66	Legal rng:	66E	
Sec:	06	Sec quarte:	CD	
Legal quar:	SE SW	Quarters s:	Not Reported	
Ref:	MD	Latitude:	36	
Longitude:	114	Lat long s:	NV003	
Lat long a:	Т	3		
Owner curr:	NEVADA POWER COMP	PANY		
Owner addr:	REID GARDNER FACILIT	TY		
Owner no:	KMW-1I			
Parcel no:	690-250-030	Subdivisio:	Not Reported	
Lot no:	Not Reported	Block no:	Not Reported	
Well finis:	03/18/1998	Date cmplt:	D	
Gravel pac:	Y	Depth seal:	35	
Depth dril:	47	Depth bedr:	0	
Aquifer de:	Not Reported	Depth case:	47	
Csng diame:	2			
Csng reduc:	0	Top perf:	37	
Bottom per:	47	Perf inter:	1	
Static wi:	10.32		16	
Temperatur:	0			
Yield:	0			
Drawdown:	0			
Hours pump:	0			
Test metho:	Not Reported	Qual const:	G	
Qual lith :	G	5	_	
Remarks ad:	Not Reported			
Contractor:	34699			
Contract 1:	SPECTRUM EXPLORATI	ION INC		
Contract 2:	5015 SHOREHAM PL SA			
Contract 3:	0			
Driller li:	2059	Source age:	NV003	
User id:	DBRANTLEY	Date entry:	04/29/1998	
Update use:	Not Reported	Date updat:	08/05/2005	
Edit statu:	F	Well start:	03/10/1998	
Gravel p 1:	35	Gravel p 2:	47	
Utm x:	709761.796052	p =-	** 1	
Utm y:	4058841.21868			*
Site id:	NV4000000043293			

D16 South 1/2 - 1 Mile Higher

Well log:	70939	App:	Not Reported
Notice of :	17138	Waiver no:	Not Reported
Date log r:	04/01/1998	Date log 1:	D
Site type:	N	Work type:	N
Work type :	Not Reported		
Proposed u:	G	Drilling m:	В
Sc:	32003	Ha:	218
Twn:	S15	Legal twn:	15S
Rng:	E66	Legal rng:	66E
Sec:	06	Sec quarte:	CD
Legal quar:	SE SW	Quarters s:	Not Reported
Ref:	MD	Latitude:	36
Longitude:	114	Lat long s:	NV003
Lat long a:	T		
Owner curr:	NEVADA POWER COMPA	ANY	
Owner addr:	REID GARDNER FACILIT	Υ	
Owner no:	KMW-1S		
Parcel no:	690-250-030	Subdivisio:	Not Reported
Lot no:	Not Reported	Block no:	Not Reported
Well finis:	03/17/1998	Date cmplt:	D .
Gravel pac:	Y	Depth seal:	8
Depth dril:	25	Depth bedr:	0
Aquifer de:	Not Reported	Depth case:	25
Csng diame:	2		
Csng reduc:	0	Top perf:	10
Bottom per:	25	Perf inter:	1
Static wl:	20.38		
Temperatur:	0	-*;	
Yield:	0		
Drawdown:	0		
Hours pump:	0		
Test metho:	Not Reported	Qual const:	G =
Qual lith:	G		
Remarks ad:	Not Reported		
Contractor:	34699		
Contract 1:	SPECTRUM EXPLORATION	ON INC	
Contract 2:	5015 SHOREHAM PL SAN	N DIEGO CA 92122	
Contract 3:	0		
Driller li:	2059	Source age:	NV003
User id:	DBRANTLEY	Date entry:	04/29/1998
Update use:	Not Reported	Date updat:	08/05/2005
Edit statu:	F	Well start:	03/06/1998
Gravel p 1:	8	Gravel p 2:	25
Utm x:	709761.796052	·	
Utm y:	4058841.21868		
Site id:	NV400000043296		

D17 South 1/2 - 1 Mile Higher		
Well log:	70938	

06

Sec:

 Well log:
 70938
 App:
 Not Reported

 Notice of:
 17138
 Waiver no:
 Not Reported

 Date log r:
 04/01/1998
 Date log 1:
 D

 Site type:
 N
 Work type:
 N

Sec quarte:

Work type : Proposed u: Not Reported Drilling m: В Sc: 32003 218 Ha: Twn: S15 Legal twn: 15\$ Rng: E66 Legal rng: 66E

TC3217801.2s Page A-30

CD

NV WELLS

NV4000000043295

SE SW Legal quar: Quarters s: Not Reported Ref: MD Latitude: 36 Longitude: 114 Lat long s: NV003 Lat long a: т Owner curr: **NEVADA POWER COMPANY REID GARDNER FACILITY** Owner addr: KMW-1M Owner no: Parcel no: 690-250-030 Subdivisio: Not Reported Lot no: Not Reported Block no: Not Reported Well finis: 03/17/1998 Date cmplt: D Depth seal: Gravel pac: 38 Depth dril: 50 Depth bedr: 0 Aquifer de: Not Reported Depth case: 50 Csng diame: 2 0 Csng reduc: Top perf: 40 Bottom per: 50 Perf inter: Static wl: 20 0 Temperatur: Yield: 0 Drawdown: 0 Hours pump: 0 Test metho: Not Reported Qual const: G Qual lith: Remarks ad: Not Reported Contractor: 34699 SPECTRUM EXPLORATION INC Contract 1: 5015 SHOREHAM PL SAN DIEGO CA 92122 Contract 2: Contract 3: Driller li: 2059 NV003 Source age: User id: **DBRANTLEY** 04/29/1998 Date entry: Update use: Not Reported Date updat: 08/05/2005 Edit statu: Well start: 03/09/1998 F Gravel p 1: 38 Gravel p 2: 50 Utm x: 709761.796052 Utm y: 4058841.21868 Site id: NV4000000043295

D18 South 1/2 - 1 Mile Higher

ligher			
Well log:	79355	App:	Not Reported
Notice of :	19530	Waiver no:	Not Reported
Date log r:	04/10/2000	Date log 1:	D
Site type:	N	Work type:	N
Work type :	Not Reported		
Proposed u:	G	Drilling m:	В
Sc:	32003	Ha:	218
Twn:	S15	Legal twn:	15S
Rng:	E66	Legal rng:	66E
Sec:	06	Sec quarte:	CD
Legal quar:	SE SW	Quarters s:	Not Reported
Ref:	MD	Latitude:	36
Longitude:	114	Lat long s:	NV003
Lat long a:	M	· ·	
Owner curr:	NEVADA POWER COMPANY		
Owner addr:	REID GARDNER FACILITY		
Owner no:	KMW-19		
Parcel no:	690-250-030	Subdivisio:	Not Reported
Lot no:	Not Reported	Block no:	Not Reported
Well finis:	02/28/2000	Date cmplt:	D
Gravel pac:	Y	Depth seal:	8
Depth dril:	25	Depth bedr:	0 TC3217801.2s Page A-31

Not Reported Aquifer de: Depth case: 25 Csng diame: 2 Csng reduc: 0 Top perf: 10 25 Bottom per: Perf inter: Static wi: 18.5 Temperatur: 0 Yield: 0 Drawdown: 0 Hours pump: 0 Test metho: Not Reported Qual const: G Qual lith: Remarks ad: Not Reported Contractor: 34699 Contract 1: SPECTRUM EXPLORATION INC Contract 2: 5015 SHOREHAM PL SAN DIEGO CA 92122 Contract 3: Driller li: 2059 NV003 Source age: **DBRANTLEY** User id: Date entry: 05/11/2000 Update use: Not Reported Date updat: 08/05/2005 Edit statu: Well start: 02/28/2000 Gravel p 1: 8 Gravel p 2: 25 Utm x: 709786.629833 4058841.82626 Utm y:

19 SE 1/2 - 1 Mile Higher

Site id:

FED USGS

USGS3088448

Agency cd: USGS Site no: 364051114384501 Site name: 218 S15 E66 06 1 Latitude: 363923 EDR Site id: USGS3088448 1143845 Longitude: Dec lat: 36.65636032 Dec Ion: -114.64665801 Coor meth: NAD27 Coor accr: М Latlong datum: Dec lationg datum: NAD83 District: 32 State: 32 County: 003 Country: US Not Reported Land net: Location map: MOAPA WEST, NV Map scale: 24000 1580.00 Altitude: Altitude method: Interpolated from topographic map

Altitude accuracy:

Altitude datum: National Geodetic Vertical Datum of 1929

Topographic: Not Reported

Hydrologic: Muddy. Nevada. Area = 1750 sq.mi.

NV4000000043297

Site type: Ground-water other than Spring Date construction: 19500101 Date inventoried: Not Reported Mean greenwich time offset: **PST**

Local standard time flag:

Type of ground water site: Single well, other than collector or Ranney type

Aquifer Type: Not Reported Aquifer: Not Reported

Well depth: 100 Hole depth: Not Reported

Source of depth data: Not Reported Project number: Not Reported

Real time data flag: Daily flow data begin date: 0000-00-00 Daily flow data end date: 0000-00-00 Daily flow data count:

Peak flow data begin date: 0000-00-00 Peak flow data end date: 0000-00-00

App:

Waiver no:

Date log 1:

Work type:

Drilling m:

Legal twn:

Legal rng:

Sec quarte:

Quarters s:

Lat long s:

Subdivisio:

Date cmplt:

Depth seal:

Depth bedr:

Depth case:

Top perf:

Perf inter:

Qual const:

Block no:

Latitude:

Peak flow data count:

0

Water quality data end date:0000-00-00 Ground water data begin date: 1950-01-01

Ground water data count:

Water quality data begin date: 0000-00-00

Water quality data count:

Ground water data end date: 1950-01-01

Ground-water levels, Number of Measurements: 1

Feet below

ow Feet to

Date

Surface

Sealevel

10/11/2004

Not Reported

G

32003

NE SE

S15

E66

06

1950-01-01 1.00

NV WELLS

NV4000000043339

E20 ESE 1/2 - 1 Mile Higher

> Well log: 94274 Notice of: 27110

Date log r: Site type: Work type : Proposed u:

Work type :
Proposed u:
Sc:
Twn:
Rng:
Sec:
Legal quar:
Ref:

Ref: MD
Longitude: 114
Lat long a: M
Owner curr: BENSON

Owner curr: BENSON, SARGENT N
Owner addr: 501 WALLY KAY WY
Owner no: CMW02 POND 4A
Parcel no: 042-06-701-001

Lot no: Not Reported
Well finis: 10/07/2004
Gravel pac: Y
Depth dril: 35
Aquifer de: Not Reported
Csng diame: 2.5

 Csng reduc:
 0

 Bottom per:
 35

 Static wl:
 1

 Temperatur:
 0

 Yield:
 0

 Drawdown:
 0

Hours pump: 0
Test metho: Not Reported

Qual lith: G
Remarks ad: Not Reported

Contractor: 12852

Contract 1: WATER DEVELOPMENT CORP (THE)

Contract 2: 1202 E KENTUCKY AVE WOODLAND CA 95776 Contract 3: 0

Driller li: 2182

User id: DBRANTLEY
Update use: DBRANTLEY
Edit statu: F
Gravel p 1: 5

DLAND CA 95776

Source age:
Date entry:
Date updat:
Well start:

Gravel p 2:

NV003 11/01/2004 01/05/2005 10/07/2004 35

Not Reported Not Reported D

N A

A 218 15S 66E DA Not Reported

Not Reporte 36 NV003

2

Not Reported Not Reported D

5 0 35

5 2

G

Utm x: Utm y: Site id: 710596.303677 4059262.57425 NV400000043339

E21 ESE 1/2 - 1 Mile Higher

NV WELLS NV400000043340

Well log: 94275 App: Not Reported Notice of: 27110 Waiver no: Not Reported Date log r: 10/11/2004 Date log 1: D Site type: Work type: N Work type: Not Reported Proposed u: Drilling m: G Α Sc: 32003 218 Ha: Twn: S15 Legal twn: **15S** Rng: E66 Legal rng: 66E Sec: 06 Sec quarte: DA Legal quar: NE SE Quarters s: Not Reported Ref: MD Latitude: 36 Longitude: 114 Lat long s: NV003 Lat long a: М Owner curr: BENSON, SARGENT N 501 WALLY KAY WY Owner addr: Owner no: CMW-05 Parcel no: 042-06-701-001 Subdivisio: Not Reported Lot no: Not Reported Block no: Not Reported

Well finis: 10/01/2004 Date cmplt: D Gravel pac: Depth seal: 12 Depth dril: 46 Depth bedr: 0 Aquifer de: Not Reported Depth case: 45 Csng diame: 2 0 Csng reduc: Top perf: 14 Bottom per: 45 Perf inter: 2

Bottom per: 45 Perf inter:
Static wi: 15
Temperatur: 0
Yield: 0
Drawdown: 0

Hours pump: 0
Test metho: Not Reported Qual const: G
Qual lith: G

Gravel p 2:

Remarks ad: Not Reported Contractor: 12852

Contract 1: WATER DEVELOPMENT CORP (THE)

Contract 2: 1202 E KENTUCKY AVE WOODLAND CA 95776

Contract 3: 0

Gravel p 1:

Driller Ii: 2182 Source age:
User id: DBRANTLEY Date entry:
Update use: DBRANTLEY Date updat:
Edit statu: F Well start:

 Utm x:
 710596.303677

 Utm y:
 4059262.57425

 Site id:
 NV400000043340

NV003

45

11/01/2004

01/05/2005

09/30/2004

Direction Distance				
Elevation	No. of the state o		Database	EDR ID Number
E22 ESE 1/2 - 1 Mile Higher			NV WELLS	NV400000043337
Well log:	91689	App:	Not Reported	
Notice of :	24918	Waiver no:	Not Reported	
Date log r:	12/22/2003	Date log 1:	D	
Site type:	N	Work type:	N	
Work type :	Not Reported	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		
Proposed u:	G	Drilling m:	В	
Sc:	32003	Ha:	218	
Twn:	S15	Legal twn:	15S	
Rng:	E66	Legal rng:	66E	
Sec:	06	Sec quarte:	DA	
Legal quar:	NE SE	Quarters s:	Not Reported	
Ref:	MD	Latitude:	36	
Longitude:	114	Lat long s:	NV003	
Lat long a:	M	Lationy 5.	140003	
Owner curr:	NEVADA POWER COMPANY			
Owner addr:	501 WALLY KAY WY			
Owner no:				
Parcel no:	Not Reported 042-06-801-001	Code altratation	Not December	
Lot no:		Subdivisio:	Not Reported	
	Not Reported	Block no:	Not Reported	
Well finis:	12/09/2003	Date cmplt:	D	
Gravel pac:	Y	Depth seal:	5	
Depth dril:	25	Depth bedr:	0	
Aquifer de:	Not Reported	Depth case:	25	
Csng diame:	4			
Csng reduc:	0	Top perf:	5	3
Bottom per:	25	Perf inter:	1	
Static wl:	15			
Temperatur:	0			
Yield:	0			
Drawdown:	0			
Hours pump:	0			
Test metho:	Not Reported	Qual const:	G	
Qual lith :	G			
Remarks ad:	Not Reported			
Contractor:	54931			
Contract 1:	ELITE DRILLING INC			
Contract 2:	5115 S INDUSTRIAL RD #104 I	LAS VEGAS NV 89118		
Contract 3:	0			
Driller li:	1869	Source age:	NV003	
User id:	DBRANTLEY	Date entry:	01/13/2004	
Update use:	Not Reported	Date updat:	03/05/2004	
Edit statu:	F RO	Well start:	12/09/2003	
Gravel p 1:	5	Gravel p 2:	25	
Utm x:	710596.303677			
Utm y:	4059262.57425			
Site id:	NV400000043337			

E23 ESE 1/2 - 1 Mile Higher

Well log:	94206	App:	Not Departed
Notice of :	27110	Waiver no:	Not Reported Not Reported
Date log r:	10/12/2004	Date log 1:	D Not Reported
Site type:	N	•	N
Work type :	Not Reported	Work type:	N
Proposed u:	G	Deilling	Α.
Sc:	32003	Drilling m:	A
Twn:		Ha:	218
	S15 E66	Legal twn:	15S
Rng:	06	Legal rng:	66E
Sec:	• •	Sec quarte:	DA
Legal quar:	NE SE	Quarters s:	Not Reported
Ref:	MD	Latitude:	36
Longitude:	114	Lat long s:	NV003
Lat long a:	M		
Owner curr:	NEVADA POWER COMPANY		
Owner addr:	INTERIOR OF POND 4A		
Owner no:	CMW-03		
Parcel no:	042-06-701-001	Subdivisio:	Not Reported
Lot no:	Not Reported	Block no:	Not Reported
Well finis:	09/30/2004	Date cmplt:	D
Gravel pac:	Y	Depth seal:	16
Depth dril:	46	Depth bedr:	0
Aquifer de:	Not Reported	Depth case:	46
Csng diame:	2.5		
Csng reduc:	0	Top perf:	17
Bottom per:	45	Perf inter:	2
Static wi:	14		
Temperatur:	0		
Yield:	0	383	
Drawdown:	0		
Hours pump:	0		
Test metho:	Not Reported	Qual const:	G
Qual lith :	G		
Remarks ad:	Not Reported		
Contractor:	12852		
Contract 1:	WATER DEVELOPMENT COR	P (THE)	
Contract 2:	1202 E KENTUCKY AVE WOO	DLAND CA 95776	
Contract 3:	0		
Driller Ii:	2182	Source age:	NV003
User id:	DBRANTLEY	Date entry:	10/27/2004
Update use:	DBRANTLEY	Date updat:	01/04/2005
Edit statu:	F	Well start:	09/28/2004
Gravel p 1:	16	Gravel p 2:	46
Utm x:	710596.303677		
Utm y:	4059262.57425		
Site id:	NV4000000043338		

E24 ESE			
1/2 - 1 Mile Higher			

Well log: 94278 Not Reported Not Reported App: Notice of: 27110 Waiver no: 10/11/2004 Date log r: Date log 1: D Site type: Ν Work type: Ν Work type : Not Reported Proposed u: G Drilling m: A 218 Sc: 32003 Ha: Twn: S15 Legal twn: **15S** E66 Rng: Legal rng: 66E Sec: 06 Sec quarte: DA

NV WELLS

NV4000000043343

NE SE Legal quar: Quarters s: Not Reported MD Ref: Latitude: 36 Longitude: 114 Lat long s: NV003 M Lat long a: Owner curr: BENSON, SARGENT N Owner addr: 501 WALLY KAY WY CMW-01 Owner no: Parcel no: 042-06-701-001 Subdivisio: Not Reported Lot no: Not Reported Block no: Not Reported 10/08/2004 Well finis: Date cmplt: D Gravel pac: Depth seal: 5 Depth dril: 35 Depth bedr: 0 Aquifer de: Not Reported Depth case: 35 Csng diame: 2.5 0 Csng reduc: Top perf: 5 Bottom per: 35 Perf inter: 2 Static wl: 7 Temperatur: 0 Yield: 0 Drawdown: 0 Hours pump: Test metho: Not Reported Qual const: G Qual lith: Remarks ad: Not Reported Contractor: 12852 WATER DEVELOPMENT CORP (THE) Contract 1: Contract 2: 1202 E KENTUCKY AVE WOODLAND CA 95776 Contract 3: Driller li: 2182 NV003 Source age: User id: **DBRANTLEY** Date entry: 11/01/2004 Update use: **DBRANTLEY** Date updat: 01/05/2005 Edit statu: Well start: 10/07/2004 Gravel p 1: Gravel p 2: 35 Utm x: 710596.303677 Utm y: 4059262.57425 Site id: NV4000000043343

E25 ESE 1/2 - 1 Mile Higher

Depth dril:

35

NV WELLS NV400000043344

⁰TC3217801.2s Page A-37

Higher			
Well log:	94279	App:	Not Reported
Notice of :	27110	Waiver no:	Not Reported
Date log r:	10/11/2004	Date log 1:	D .
Site type:	N	Work type:	N
Work type :	Not Reported	·	
Proposed u:	G	Drilling m:	Α
Sc:	32003	На:	218
Twn:	S15	Legal twn:	15S
Rng:	E66	Legal rng:	66E
Sec:	06	Sec quarte:	DA
Legal quar:	NE SE	Quarters s:	Not Reported
Ref:	MD	Latitude:	36
Longitude:	114	Lat long s:	NV003
Lat long a:	M	#	
Owner curr:	BENSON, SARGENT N		
Owner addr:	501 WALLY KAY WY		
Owner no:	CMW-07		
Parcel no:	042-06-701-001	Subdivisio:	Not Reported
Lot no:	Not Reported	Block no:	Not Reported
Well finis:	10/09/2004	Date cmplt:	D .
Gravel pac:	Y	Depth seal:	10

Depth bedr:

Aquifer de:	Not Reported	Depth case:	35
Csng diame:	2.5		
Csng reduc:	0	Top perf:	10
Bottom per:	35	Perf inter:	2
Static wl:	10		
Temperatur:	- 0		
Yield:	0	**	a la
Drawdown:	0		
Hours pump:	0		
Test metho:	Not Reported	Qual const:	G
Qual lith :	G		
Remarks ad:	Not Reported		
Contractor:	12852		
Contract 1:	WATER DEVELOPMENT	CORP (THE)	
Contract 2:	1202 E KENTUCKY AVE	WOODLAND CA 95776	
Contract 3:	0		
Driller li:	2182	Source age:	NV003
User id:	DBRANTLEY	Date entry:	11/01/2004
Update use:	DBRANTLEY	Date updat:	01/05/2005
Edit statu:	F	Well start:	10/08/2004
Gravel p 1:	9	Gravel p 2:	35
Utm x:	710596.303677		
Utm y:	4059262.57425		
Site id:	NV400000043344		

E26	
ESE	
1/2 - 1	Mile
Higher	r

ngner			
Well log:	94276	App:	Not Reported
Notice of :	27110	Waiver no:	Not Reported
Date log r:	10/11/2004	Date log 1:	D =
Site type:	N	Work type:	N
Work type :	Not Reported	7	
Proposed u:	G	Drilling m:	Α
Sc:	32003	На:	218
Twn:	S15	Legal twn:	15S
Rng:	E66	Legal rng:	66E
Sec:	06	Sec quarte:	DA
Legal quar:	NE SE	Quarters s:	Not Reported
Ref:	MD	Latitude:	36
Longitude:	114	Lat long s:	NV003
Lat long a:	M		
Owner curr:	BENSON, SARGENT N		
Owner addr:	501 WALLY KAY WY		
Owner no:	CMW-04		
Parcel no:	042-06-701-001	Subdivisio:	Not Reported
Lot no:	Not Reported	Block no:	Not Reported
Well finis:	10/05/2004	Date cmplt:	D
Gravel pac:	Υ	Depth seal:	9
Depth dril:	30	Depth bedr:	0
Aquifer de:	Not Reported	Depth case:	30
Csng diame:	2.5	-	
Csng reduc:	0	Top perf:	10
Bottom per:	30	Perf inter:	2
Static wi:	10		
Temperatur:	0		
Yield:	0		
Drawdown:	0		
Hours pump:	0		
Test metho:	Not Reported	Qual const:	G

Qual lith:

G

Remarks ad:

Not Reported

Contractor:

12852

Contract 1:

WATER DEVELOPMENT CORP (THE)

Contract 2:

1202 E KENTUCKY AVE WOODLAND CA 95776

Contract 3:

0

Driller li: User id: Update use: 2182 **DBRANTLEY DBRANTLEY** Source age: Date entry: Date updat: Well start:

NV003 11/01/2004 01/05/2005 10/04/2004

Edit statu: Gravel p 1:

Gravel p 2:

30

Utm x: Utm y: Site id: 710596.303677 4059262.57425 NV4000000043341

E27 ESE

1/2 - 1 Mile Higher

NV WELLS

NV4000000043342

Well log: Notice of: Date log r:

Site type:

Sc:

Twn:

Rng:

Sec:

Work type:

Proposed u:

94277 27110

N

G

32003

S15

E66

06

М

10/11/2004

App: Waiver no: Date log 1:

Not Reported Not Reported D

N

Work type:

Drilling m: Ha: Legal twn: Legal rng: Sec quarte: Quarters s:

Α 218 **15S** 66E DA

36

NV003

NE SE Legal quar: Ref: MD Latitude: Longitude: 114 Lat long s:

Not Reported

Lat long a: Owner curr:

BENSON, SARGENT N 501 WALLY KAY WY

Owner addr: Owner no: Parcel no:

Lot no:

Well finis:

CMW-06 042-06-701-001 Not Reported 10/04/2004

Subdivisio: Block no: Date cmplt: Depth seal:

Not Reported Not Reported D

Not Reported

Gravel pac: Υ Depth dril: 46 Aquifer de: Csng diame: 2.5 Csng reduc:

Not Reported 0

Depth case: Top perf: Perf inter:

Qual const:

Depth bedr:

45 15 2

G

12

0

Bottom per: 45 15 Static wl: Temperatur: 0 Yield: 0

0

Test metho: Not Reported

Qual lith:

Not Reported 12852

WATER DEVELOPMENT CORP (THE) 1202 E KENTUCKY AVE WOODLAND CA 95776

Contract 3:

2182 **DBRANTLEY** Source age: Date entry: Date updat: Well start:

NV003 11/01/2004 01/05/2005 10/01/2004

TC3217801.2s Page A-39

Drawdown: Hours pump:

Remarks ad:

Contractor:

Contract 1: Contract 2:

Driller li:

User id: Update use: Edit statu: Gravel p 1:

14

DBRANTLEY F

Gravel p 2:

Utm x: Utm y: Site id: 710596.303677 4059262.57425 NV4000000043342

F28 SE 1/2 - 1 Mile Higher

NV WELLS NV400000043300

Well log: 91603 App: Not Reported Notice of: 24915 Waiver no: Not Reported Date log r: 12/22/2003 Date log 1: D Site type: Work type: Ν Work type: Not Reported Proposed u: G Drilling m: В 32003 Sc: Ha: 218 S15 Twn: Legal twn: **15S** Rng: E66 Legal rng: 66E 06 Sec: Sec quarte: DD SE SE Legal quar: Quarters s: Not Reported Ref: MD Latitude: 36 Longitude: 114 Lat long s: NV003 Lat long a: М **NEVADA POWER COMPANY** Owner curr: 501 WALLY KAY WY MOAPA NV 89025 Owner addr: Not Reported Owner no: Parcel no: 042-05-401-001 Subdivisio: Not Reported Lot no: Not Reported Block no: Not Reported

Date cmplt: Well finis: 12/09/2003 D Gravel pac: Depth seal: 5 Depth dril: 35 Depth bedr: 0 Aquifer de: Not Reported Depth case: 35 Csng diame: 4 Csng reduc: 0 Top perf: 10 Bottom per: 35 Perf inter: 1

 Static wl:
 15

 Temperatur:
 0

 Yield:
 0

 Drawdown:
 0

 Hours pump:
 0

Test metho: Not Reported Qual const: G

Qual lith: G
Remarks ad: Not Reported
Contractor: 54931

Contract 1: ELITE DRILLING INC

Contract 2: 5115 S INDUSTRIAL RD #104 LAS VEGAS NV 89118

Contract 3: 0

Driller li: 1869 NV003 Source age: **DBRANTLEY** User id: Date entry: 01/09/2004 Update use: Not Reported Date updat: 08/05/2005 Edit statu: Well start: 12/09/2003 Gravel p 1: Gravel p 2:

 Utm x:
 710606.145405

 Utm y:
 4058861.91674

 Site id:
 NV4000000043300

Distance Elevation		9	Database	EDR ID Number
29 E			NV WELLS	NV4000000043299
/2 - 1 Mile			NV WELES	1117000000043233
igher				
Well log:	70941	App:	Not Reported	
Notice of :	17140	Waiver no:	Not Reported	
Date log r:	04/01/1998	Date log 1:	D .	
Site type:	N	Work type:	N	
Work type :	Not Reported			
Proposed u:	G	Drilling m:	В	
Sc:	32003	Ha:	218	
Twn:	S15	Legal twn:	15S	
Rng:	E66	Legal rng:	66E	
Sec:	06	Sec quarte:	DD	
Legal quar:	SE SE	Quarters s:	Not Reported	
Ref:	MD	Latitude:	36	
Longitude:	114	Lat long s:	NV003	
Lat long a:	- Т			
Owner curr:	NEVADA POWER COMP	PANY		
Owner addr:	REID GARDNER FACILI	TY		
Owner no:	KMW-07			
Parcel no:	690-250-013	Subdivisio:	Not Reported	
Lot no:	Not Reported	Block no:	Not Reported	
Well finis:	03/17/1998	Date cmplt:	D	
Gravel pac:	Y	Depth seal:	48	
Depth dril:	60	Depth bedr:	0	
Aquifer de:	Not Reported	Depth case:	60	
Csng diame:	2			
Csng reduc:	0	Top perf:	50	
Bottom per:	60	Perf inter:	1	
Static wl:	9.94			
Temperatur:	0			
Yield:	0			
Drawdown:	0			
Hours pump:	0			
Test metho:	Not Reported	Qual const:	G	
Qual lith:	G			
Remarks ad:	Not Reported			
Contractor:	34699			
Contract 1:	SPECTRUM EXPLORAT	ION INC		
Contract 2:	5015 SHOREHAM PL SA	N DIEGO CA 92122		
Contract 3:	0			
Driller li:	2059	Source age:	NV003	
User id:	DBRANTLEY	Date entry:	04/29/1998	
Update use:	Not Reported	Date updat:	08/05/2005	
Edit statu:	F	Well start:	03/13/1998	
Gravel p 1:	48	Gravel p 2:	60	
Utm x:	710606.145405			
Utm y:	4058861.91674			
Site id:	NV400000043299			

F30 SE 1/2 - 1 Mile Higher

Well log:	1152	App:	12803
Notice of :	0	Waiver no:	Not Reported
Date log r:	12/30/1949	Date log 1:	D .
Site type:	N	Work type:	N
Work type :	Not Reported		
Proposed u:		Drilling m:	С
Sc:	32003	Ha:	218
Twn:	S15	Legal twn:	15S
Rng:	E66	Legal rng:	66E
Sec:	06	Sec quarte:	DD
Legal guar:	SE SE	Quarters s:	Not Reported
Ref:	MD	Latitude:	36
Longitude:	114	Lat long s:	NV003
Lat long a:	T	cat long o.	111000
Owner curr:	SEARLES, KENNETH		
Owner addr:	Not Reported		
Owner no:	Not Reported		
Parcel no:	Not Reported	Subdivisio:	Not Reported
Lot no:	Not Reported	Block no:	Not Reported
Well finis:	09/03/1949	Date cmplt:	D
Gravel pac:	Not Reported	Depth seal:	0
Depth dril:	292	Depth bedr:	0
Aguifer de:	Not Reported	Depth case:	188
Csng diame:	0	Deptil Case.	100
Csng reduc:	0	Top perf:	94
Bottom per:	186	Perf inter:	1
Static wl:	12	ren mer.	11
Temperatur:	0	75	
Yield:	125		
Drawdown:	0		
Hours pump:	0		
Test metho:	Not Reported	Qual const:	G
Qual lith :	G	Qual Const.	G
Remarks ad:	Not Reported		
Contractor:	Not Reported		
Contract 1:	MARTIN & SONS		
Contract 2:	BOX 1889 LAS VEGAS NV		
Contract 3:	0		
Driller li:	79	Source age:	NV003
User id:	KCOON	Source age: Date entry:	05/02/1997
Update use:	Not Reported	Date updat:	08/05/2005
Edit statu:	F	Well start:	
Gravel p 1:	0		07/09/1949
Utm x:	710606.145405	Gravel p 2:	0
Utm y:	4058861.91674		
Site id:	NV400000043298		
One id.	117700000043230		

F31	
SE	
1/2 -	1 Mile
High	er

Well log: 94813 App: Not Reported Waiver no: Date log 1: Notice of: 26900 Not Reported 12/15/2004 Date log r: D Site type: Work type : Ν Work type: N Not Reported Proposed u: G В Drilling m: Sc: 32003 На: 218 Twn: S15 Legal twn: **15S** E66 Rng: Legal rng: 66E Sec: 06 Sec quarte: DD

NV WELLS

NV4000000043303

Legal quar: SE SE Quarters s: Not Reported Ref: MD Latitude: Longitude: 114 NV003 Lat long s: Lat long a: М **NEVADA POWER COMPANY** Owner curr: 501 WALLY KAY WY Owner addr: Owner no: Not Reported 042-06-801-001 Parcel no: Subdivisio: Not Reported Lot no: Not Reported Block no: Not Reported Well finis: 11/18/2004 Date cmplt: D Gravel pac: Depth seal: 8 Depth dril: 35 Depth bedr: 0 Aquifer de: Not Reported Depth case: 35 Csng diame: Csng reduc: 0 Top perf: 10 Bottom per: 35 Perf inter: 1 Static wi: 18 Temperatur: 0 0 Yield: Drawdown: 0 Hours pump: 0 Test metho: Not Reported Qual const: G Qual lith: G Remarks ad: Not Reported Contractor: 54931 Contract 1: **ELITE DRILLING INC** Contract 2: 5115 S INDUSTRIAL RD #140 LAS VEGAS NV 89118 Contract 3: 0 Driller li: 1869 Source age: NV003 **DBRANTLEY** User id: Date entry: 01/21/2005 Date updat: Update use: Not Reported 08/05/2005 Edit statu: Well start: 11/18/2004 Gravel p 1: 8 Gravel p 2: 35 Utm x: 710606.145405 Utm y: 4058861.91674 NV4000000043303 Site id:

F3Z	
SE	
1/2 - 1	Mile
Higher	

nighei			
Well log:	94812	App:	Not Reported
Notice of :	26900	Waiver no:	Not Reported
Date log r:	12/15/2004	Date log 1:	D
Site type:	N	Work type:	N
Work type :	Not Reported		
Proposed u:	G	Drilling m:	В
Sc:	32003	Ha:	218
Twn:	S15	Legal twn:	15S
Rng:	E66	Legal rng:	66E
Sec:	06	Sec quarte:	DD
Legal quar:	SE SE	Quarters s:	Not Reported
Ref:	MD	Latitude:	36
Longitude:	114	Lat long s:	NV003
Lat long a:	M		
Owner curr:	NEVADA POWER COMPANY		
Owner addr:	501 WALLY KAY WY		
Owner no:	Not Reported		
Parcel no:	042-06-801-001	Subdivisio:	Not Reported
Lot no:	Not Reported	Block no:	Not Reported
Well finis:	11/17/2004	Date cmplt:	D
Gravel pac:	Υ	Depth seal:	8
Depth dril:	35	Depth bedr:	⁰ TC3217801.2s Page A-43

Aquifer de:	Not Reported	Depth case:	35
Csng diame:	4		
Csng reduc:	0	Top perf:	10
Bottom per:	35	Perf inter:	1
Static wl:	18		
Temperatur:	0		
Yield:	0		
Drawdown:	0		
Hours pump:	0		
Test metho:	Not Reported	Qual const:	G
Qual lith :	G		
Remarks ad:	Not Reported		
Contractor:	54931		
Contract 1:	ELITE DRILLING INC		
Contract 2:	5115 S INDUSTRIAL RD	#140 LAS VEGAS NV 89118	
Contract 3:	0		
Driller li:	1869	Source age:	NV003
User id:	DBRANTLEY	Date entry:	01/21/2005
Update use:	Not Reported	Date updat:	08/05/2005
Edit statu:	F	Well start:	11/17/2004
Gravel p 1:	8	Gravel p 2:	35
Utm x:	710606.145405		
Utm y:	4058861.91674		
Site id:	NV400000043302		

F33	
SE	
1/2 - 1 Mile	
Higher	

Well log:	94811	App:	Not Reported
Notice of :	26900	Waiver no:	Not Reported
Date log r:	12/15/2004	Date log 1:	D
Site type:	N	Work type:	N
Work type :	Not Reported		
Proposed u:	G	Drilling m:	В
Sc:	32003	На:	218
Twn:	S15	Legal twn:	158
Rng:	E66	Legal rng:	66E
Sec:	06	Sec quarte:	DD
Legal quar:	SE SE	Quarters s:	Not Reported
Ref:	MD	Latitude:	36
Longitude:	114	Lat long s:	NV003
Lat long a:	M		
Owner curr:	NEVADA POWER COMPAN	IY	
Owner addr:	501 WALLY KAY WY		
Owner no:	Not Reported		
Parcel no:	042-06-801-001	Subdivisio:	Not Reported
Lot no:	Not Reported	Block no:	Not Reported
Well finis:	11/17/2004	Date cmplt:	D .
Gravel pac:	- Y	Depth seal:	8
Depth dril:	35	Depth bedr:	0
Aquifer de:	Not Reported	Depth case:	35
Csng diame:	4		
Csng reduc:	0	Top perf:	10
Bottom per:	35	Perf inter:	1
Static wl:	18		
Temperatur:	0		
Yield:	0		
Drawdown:	0		
Hours pump:	0		
Test metho:	Not Reported	Qual const:	G

Qual lith:

G

Remarks ad:

Not Reported

Contractor:

54931

Contract 1:

ELITE DRILLING INC

Contract 2: Contract 3: 5115 S INDUSTRIAL RD #140 LAS VEGAS NV 89118

Driller li:

0 1869

Source age:

NV003

User id: Update use: **DBRANTLEY** Not Reported

Date entry: Date updat: Well start:

01/21/2005 08/05/2005 11/17/2004

Edit statu: Gravel p 1:

8

Gravel p 2:

35

Utm x: Utm y: Site id: 710606.145405 4058861.91674 NV4000000043301

SSW 1/2 - 1 Mile Higher

NV WELLS

NV400000043270

Well log: Notice of: 96745 26910

App: Waiver no:

Not Reported Not Reported

Date log r: Site type:

05/24/2005

Date log 1: Work type: D Ν

Work type: Proposed u:

Sc:

Not Reported G 32003 **\$15**

Drilling m: Ha:

Н 218 .15S

Twn: Rng: Sec:

E66 07 NW NW Legal twn: Legal rng: Sec quarte: Quarters s:

66E BB Not Reported

Legal quar: Ref: Longitude:

MD 114 М

Latitude: Lat long s:

36 Not Reported

Lat long a: Owner curr:

NEVADA POWER COMPANY 501 WALLY KAY WY

Owner addr: Owner no: Parcel no:

Not Reported 042-07-000-004

Subdivisio: Block no:

Not Reported Not Reported

Lot no: Well finis: Gravel pac: Depth dril:

Not Reported 04/26/2005 25

Date cmplt: Depth seal: Depth bedr:

Depth case:

8 0 25

Aquifer de: Csng diame: Csng reduc:

Not Reported 2 0

Top perf: Perf inter: 10 1

Bottom per: Static wi: Temperatur:

0

Yield: Drawdown:

Hours pump: Test metho:

Not Reported

Qual const:

G

Qual lith: Remarks ad:

Not Reported

Contractor: Contract 1:

54931 **ELITE DRILLING INC**

Contract 2:

Contract 3:

Update use:

Driller li:

User id:

5115 S INDUSTRIAL RD #104 LAS VEGAS NV 89118

1869

8

DBRANTLEY Not Reported Source age: Date entry: Date updat: Well start:

NV003 06/20/2005 05/01/1997 04/26/2005

Edit statu: Gravel p 1:

Gravel p 2:

TC3217801.2s Page A-45

Utm x: Utm y: Site id: 709374.238536 4058430.85108 NV4000000043270

G35 East 1/2 - 1 Mile

NV WELLS NV4000000043445

Higher 95884 Well log: App: Not Reported Notice of: 26908 Waiver no: Not Reported Date log r: 04/13/2005 Date log 1: D Site type: N Work type: Ν Work type: Not Reported Proposed u: G Drilling m: В Sc: 32003 Ha: 218 Twn: S15 Legal twn: **15S** Rng: E66 Legal rng: 66E Sec: 05 Sec quarte: ВС Legal quar: SW NW Quarters s: Not Reported Ref: MD Latitude: Longitude: 114 Lat long s: Not Reported Lat long a: Owner curr: **NEVADA POWER COMPANY** Owner addr: 501 WALLY KAY WY Owner no: Not Reported Parcel no: 042-05-201-002 Subdivisio: Not Reported Lot no: Not Reported Block no: Not Reported Well finis: 02/09/2005 Date cmplt: D Gravel pac: Depth seal: 8 Depth dril: 35 Depth bedr: 0 Aquifer de: Not Reported Depth case: 35 Csng diame: 4

Csng reduc: 0 Top perf: 35 Bottom per: Perf inter: Static wi: 25

10 1

G

Qual const:

Drawdown: 0 Hours pump: Test metho: Not Reported Qual lith: Not Reported Remarks ad:

54931 Contractor: Contract 1: **ELITE DRILLING INC**

0 0

5115 S INDUSTRIAL RD #104 LAS VEGAS NV 89118 Contract 2:

Contract 3:

Temperatur:

Yield:

Driller li: 1869 Source age: NV003 **DBRANTLEY** User id: Date entry: 04/13/2005 Update use: Not Reported Date updat: 06/03/1998 Edit statu: F Well start: 02/09/2005 Gravel p 1: Gravel p 2: 35

Utm x: 710983.765363 Utm y: 4059673.00178 Site id: NV4000000043445

Distance Elevation		MI - H	Database	EDR ID Numbe
336 iast /2 - 1 Mile ligher			NV WELLS	NV400000043446
Well log:	95885	App:	Not Reported	
Notice of :	26908	Waiver no:	Not Reported	
Date log r:	04/13/2005	Date log 1:	D	
Site type:	N	Work type:	N	
Work type :	Not Reported	3,1		
Proposed u:	G	Drilling m:	В	
Sc:	32003	Ha:	218	
Twn:	S15	Legal twn:	15S	
Rng:	E66	Legal rng:	66E	
Sec:	05	Sec quarte:	BC	
Legal quar:	SW NW	Quarters s:	Not Reported	
Ref:	MD	Latitude:	36	
Longitude:	114	Lat long s:	Not Reported	
Lat long a:	M			
Owner curr:	NEVADA POWER COMPA	NY		
Owner addr:	501 WALLY KAY WY			
Owner no:	Not Reported			
Parcel no:	042-05-201-002	Subdivisio:	Not Reported	
Lot no:	Not Reported	Block no:	Not Reported	
Well finis:	02/09/2005	Date cmplt:	D	
Gravel pac:	Υ Υ	Depth seal:	8	
Depth dril:	35	Depth bedr:	0	
Aquifer de:	Not Reported	Depth case:	35	
Csng diame:	4			
Csng reduc:	0	Top perf:	10	
Bottom per:	35	Perf inter:	1	
Static wl:	25			
Temperatur:	0			
Yield:	0			
Drawdown:	0			
Hours pump:	0			
Test metho:	Not Reported	Qual const:	G	
Qual lith :	G			
Remarks ad:	Not Reported			
Contractor:	54931			
Contract 1:	ELITE DRILLING INC			
Contract 2:	5115 S INDUSTRIAL RD #1	104 LAS VEGAS NV 89118		
Contract 3:	0			
Driller li:	1869	Source age:	NV003	
User id:	DBRANTLEY	Date entry:	04/13/2005	
Update use:	Not Reported	Date updat:	06/03/1998	
Edit statu:	F	Well start:	02/09/2005	
Gravel p 1:	8	Gravel p 2:	35	
Utm x:	710983.765363		10	
Utm y:	4059673.00178			
Site id:	NV4000000043446			

G37 East 1/2 - 1 Mile Higher

Well log:	95886	App:	Not Reported
Notice of :	26908	Waiver no:	Not Reported
Date log r:	04/13/2005	Date log 1:	D
Site type:	N	Work type:	N
Work type :	Not Reported	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
Proposed u:	G	Drilling m:	В
Sc:	32003	Ha:	218
Twn:	S15	Legal twn:	15S
Rng:	E66	Legal rng:	66E
Sec:	05	Sec quarte:	BC
Legal quar:	SW NW	Quarters s:	Not Reported
Ref:	MD	Latitude:	36
Longitude:	114	Lat long s:	Not Reported
Lat long a:	M		
Owner curr:	NEVADA POWER COMPAN	۱Y	
Owner addr:	501 WALLY KAY WY		
Owner no:	Not Reported		
Parcel no:	042-05-201-002	Subdivisio:	Not Reported
Lot no:	Not Reported	Block no:	Not Reported
Well finis:	02/09/2005	Date cmplt:	D
Gravel pac:	Υ	Depth seal:	8
Depth dril:	35	Depth bedr:	0
Aquifer de:	Not Reported	Depth case:	35
Csng diame:	4		
Csng reduc:	0	Top perf:	10
Bottom per:	35	Perf inter:	1
Static wl:	25		
Temperatur:	0		
Yield:	0		
Drawdown:	0		
Hours pump:	0		
Test metho:	Not Reported	Qual const:	G
Qual lith:	G		
Remarks ad:	Not Reported		
Contractor:	54931		
Contract 1:	ELITE DRILLING INC		
Contract 2:	5115 S INDUSTRIAL RD #10	04 LAS VEGAS NV 89118	
Contract 3:	0		
Driller li:	1869	Source age:	NV003
User id:	DBRANTLEY	Date entry:	04/13/2005
Update use:	Not Reported	Date updat:	06/03/1998
Edit statu:	F	Well start:	02/09/2005
Gravel p 1:	8	Gravel p 2:	35
Utm x:	710983.765363		
Utm y:	4059673.00178		
Site id:	NV400000043447		

SSE 1/2 - 1 Mile Higher			
Well log:	27959	App:	
Notice of:	0	Waiver no:	

Date log r: 10/29/1986 Site type: Work type : Proposed u: Ν Not Reported Х

32003 Sc: Twn: S15 E66 Rng: Sec: 07

App: Waiver no: Date log 1: Work type:

Drilling m:

Legal twn:

Legal rng:

Sec quarte:

Ha:

Not Reported Not Reported N

> Н 218 **15S** 66E AB

NV WELLS

NV4000000043271

Legal quar: NW NE Quarters s: Not Reported Ref: MD Latitude: 36 Longitude: 114 Lat long s: NV003 Lat long a: Т Owner curr: **NEVADA POWER COMPANY** Owner addr: 6226 W SAHARA LAS VEGAS NV Owner no: Not Reported Parcel no: Not Reported Subdivisio: Not Reported Lot no: Not Reported Block no: Not Reported 07/10/1986 Well finis: Date cmplt: D Gravel pac: Depth seal: 655 Depth dril: 1000 Depth bedr: Aquifer de: Not Reported 1000 Depth case: Csng diame: 12.75 0 Csng reduc: Top perf: 660 Bottom per: 1000 Perf inter: Static wl: 0 0 Temperatur: Yield: 0 Drawdown: 0 Hours pump: Test metho: Not Reported Qual const: G Qual lith: Not Reported Remarks ad: Contractor: Not Reported JAMES R MURRAY Contract 1: Contract 2: 8301 E ILIFF DENVER CO 80231 Contract 3: Driller li: 1227 NV003 Source age: User id: **NAFLECKS** Date entry: 06/20/2005 Update use: dsdavis Date updat: 10/19/1998 Edit statu: Well start: 04/14/1986 Gravel p 1: Gravel p 2: 0 Utm x: 710218.626622 Utm y: 4058451.50917 Site id: NV4000000043271

H39 South 1/2 - 1 Mile Higher

Depth dril:

1410

NV WELLS NV400000043265

0 TC3217801.2s Page A-49

ligher			
Well log:	80730	App:	Not Reported
Notice of:	16227	Waiver no:	Not Reported
Date log r:	08/28/2000	Date log 1:	D .
Site type:	E	Work type:	P
Work type :	Not Reported		
Proposed u:	G	Drilling m:	U
Sc:	32003	Ha:	218
Twn:	S15	Legal twn:	15S
Rng:	E66	Legal rng:	66E
Sec:	07	Sec quarte:	В
Legal quar:	NW	Quarters s:	Not Reported
Ref:	MD	Latitude:	36
Longitude:	114	Lat long s:	NV003
Lat long a:	M		
Owner curr:	NEVADA POWER COMPANY		
Owner addr:	Not Reported		
Owner no:	EH-02A		
Parcel no:	042-07-000-001	Subdivisio:	Not Reported
Lot no:	Not Reported	Block no:	Not Reported
Well finis:	06/14/2000	Date cmplt:	D
Gravel pac:	Not Reported	Depth seal:	0

Depth bedr:

Aquifer de:	Not Reported	Depth case:	0
Csng diame:	12		
Csng reduc:	0	Top perf:	0
Bottom per:	0	Perf inter:	0
Static wi:	0		
Temperatur:	0		
Yield:	0		
Drawdown:	0		
Hours pump:	0		
Test metho:	Not Reported	Qual const:	G
Qual lith :	G		
Remarks ad:	Not Reported		
Contractor:	35639		
Contract 1:	B L WEBER GROUP INC	(THE)	
Contract 2:	16825 S WEBER DR CHA	ANDLÉR AZ 85226-4112	
Contract 3:	0		
Driller li:	2024	Source age:	NV003
User id:	DBRANTLEY	Date entry:	08/30/2000
Update use:	Not Reported	Date updat:	02/16/2001
Edit statu:	F	Well start:	05/25/2000
Gravel p 1:	0	Gravel p 2:	0
Utm x:	709602.272546	1,000	
Utm y:	4058251.39304		
Site id:	NV400000043265		

H40	
South	1
1/2 - 1	Mile
Highe	r

Well log:	80731	App:	Not Reported
Notice of :	16226	Waiver no:	Not Reported
Date log r:	08/28/2000	Date log 1:	D .
Site type:	E	Work type:	Р
Work type :	Not Reported		
Proposed u:	G	Drilling m:	U
Sc:	32003	Ha:	218
Twn:	S15	Legal twn:	158
Rng:	E66	Legal rng:	66E
Sec:	07	Sec quarte:	В
Legal quar:	NW	Quarters s:	Not Reported
Ref:	MD	Latitude:	36
Longitude:	114	Lat long s:	NV003
Lat long a:	M	30 00	
Owner curr:	NEVADA POWER COM	PANY	
Owner addr:	Not Reported	350	
Owner no:	EH-02		
Parcel no:	042-07-000-001	Subdivisio:	Not Reported
Lot no:	Not Reported	Block no:	Not Reported
Well finis:	06/14/2000	Date cmplt:	D
Gravel pac:	Not Reported	Depth seal:	0
Depth dril:	1095	Depth bedr:	0
Aquifer de:	Not Reported	Depth case:	0
Csng diame:	8		
Csng reduc:	0	Top perf:	0
Bottom per:	0	Perf inter:	0
Static wi:	0		
Temperatur:	0		
Yield:	0		
Drawdown:	0		
Hours pump:	0		
Test metho:	Not Reported	Qual const:	G

Qual lith:

Remarks ad:

Not Reported

Contractor:

35639

Contract 1:

B L WEBER GROUP INC (THE)

Contract 2:

16825 S WEBER DR CHANDLER AZ 85226-4112

Contract 3:

Driller li: User id: 2024 **DBRANTLEY** Not Reported

Source age: Date entry: Date updat:

NV003 08/30/2000 02/16/2001

Update use: Edit statu: Gravel p 1:

0

Well start: Gravel p 2: 05/25/2000

Utm x: Utm y: Site id: 709602.272546 4058251.39304 NV4000000043266

1/2 - 1 Mile Higher

FED USGS

USGS3088432

Agency cd:

USGS

Site no:

363902114384402

Site name: Latitude:

363902

218 S15 E66 07AB 2 Nevada Power Company EDR Site id:

USGS3088432

Longitude:

1143844

Dec lat:

36.65052702

Dec Ion: Coor accr: -114.64638025

Coor meth:

М

NAD27

Dec lattong datum: State:

S NAD83 32

Latlong datum: District: County:

32 003

Country: Location map: US

Land net:

NWNES07 T15S R66E M 24000

MOAPA WEST, NV Map scale:

Altitude: Altitude method: 1743.

Interpolated from topographic map

Altitude accuracy: Altitude datum:

National Geodetic Vertical Datum of 1929

Hydrologic: Topographic:

Not Reported

Muddy. Nevada. Area = 1750 sq.mi.

Site type:

Ground-water other than Spring Date construction:

Not Reported

Date inventoried:

Not Reported

Mean greenwich time offset:

PST

Local standard time flag:

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:

Source of depth data:

Not Reported

Not Reported

Project number:

Not Reported

Daily flow data begin date:

Real time data flag: Daily flow data end date:

0000-00-00

Daily flow data count:

0000-00-00

Peak flow data begin date: 0000-00-00

Peak flow data end date:

0000-00-00

Peak flow data count:

Water quality data begin date: 0000-00-00

Water quality data end date:0000-00-00 Ground water data begin date: 1990-03-30

Water quality data count: Ground water data end date:

1990-03-30

Ground water data count: 1

Ground-water levels, Number of Measurements: 1

Feet below Surface

Feet to

Date

Sealevel

1990-03-30 164.8

Elevation				Database	EDR ID Number
I42 SSE 1/2 - 1 Mile Higher				FED USGS	USGS3088431
Agency cd:		USGS	Site no:	36390211438440	1
Site name:		218 S15 E66 07AB 1 Ne	evada Power Company		
Latitude:		363902	EDR Site id:	USGS3088431	
Longitude:		1143844	Dec lat:	36.65052702	
Dec lon:		-114.64638025	Coor meth:	M	
Coor accr:		S	Latlong datum:	NAD27	
Dec latlong datum:		NAD83	District:	32	
State:		32	County:	003	
Country:		US	Land net:	NWNES07 T15S	R66R M
Location map:		MOAPA WEST, NV	Map scale:	24000	
Altitude:		1745.			
Altitude method:		Interpolated from topograph	nic map		
Altitude accuracy:		30			
Altitude datum:		National Geodetic Vertical I	Datum of 1929		
Hydrologic:		Muddy. Nevada. Area = 17	50 sg.mi.		
Topographic:		Not Reported	·		
Site type:		Ground-water other than Sp	oring Date construction:	Not Reported	
Date inventoried:		Not Reported	Mean greenwich time offset:	PST	
Local standard time	flag:	Υ .			
Type of ground water	er site:	Single well, other than colle	ctor or Ranney type		
Aquifer Type:		Not Reported			
Aquifer:		Not Reported			
Well depth:		Not Reported	Hole depth:	Not Reported	
Source of depth dat	a:	Not Reported	·		
Project number:		Not Reported			
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 begi	n date:	0000-00-00	Peak flow data end date:	0000-00-00	
Peak flow data cour	nt:	0	Water quality data begin date:	0000-00-00	
Water quality data e	end date	9:0000-00-00	Water quality data count:	0	
Ground water data I	begin d	ate: 1990-03-30	Ground water data end date:	1990-03-30	
Ground water data	count:	1			
Ground-water levels	s, Numb	per of Measurements: 1			
	below	Feet to			
Date Surfa	ce	Sealevel			

1990-03-30 167.2

AREA RADON INFORMATION

State Database: NV Radon

Radon Test Results

# Tests	# < 4 pci/L	# > 4 pCi/L	% > 4 pCi/L	Average	Max
		-			_
2	2	0	0	1.4	2.3

Federal EPA Radon Zone for CLARK County: 3

Note: Zone 1 indoor average level > 4 pCi/L.

: Zone 2 indoor average level >= 2 pCi/L and <= 4 pCi/L.

: Zone 3 indoor average level < 2 pCi/L.

Federal Area Radon Information for Zip Code: 89040

Number of sites tested: 3

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	-0.067 pCi/L	100%	0%	0%
Living Area - 2nd Floor	Not Reported	Not Reported	Not Reported	Not Reported
Basement	Not Reported	Not Reported	Not Reported	Not Reported

PHYSICAL SETTING SOURCE RECORDS SEARCHED

TOPOGRAPHIC INFORMATION

USGS 7.5' Digital Elevation Model (DEM)

Source: United States Geologic Survey

EDR acquired the USGS 7.5' Digital Elevation Model in 2002 and updated it in 2006. The 7.5 minute DEM corresponds to the USGS 1:24,000- and 1:25,000-scale topographic quadrangle maps. The DEM provides elevation data with consistent elevation units and projection.

Scanned Digital USGS 7.5' Topographic Map (DRG)

Source: United States Geologic Survey

A digital raster graphic (DRG) is a scanned image of a U.S. Geological Survey topographic map. The map images are made by scanning published paper maps on high-resolution scanners. The raster image is georeferenced and fit to the Universal Transverse Mercator (UTM) projection.

HYDROLOGIC INFORMATION

Flood Zone Data: This data, available in select counties across the country, was obtained by EDR in 2003 & 2011 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002 and 2005 from the U.S. Fish and Wildlife Service.

HYDROGEOLOGIC INFORMATION

AQUIFLOWR Information System

Source: EDR proprietary database of groundwater flow information

EDR has developed the AQUIFLOW Information System (AIS) to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted to regulatory authorities at select sites and has extracted the date of the report, hydrogeologically determined groundwater flow direction and depth to water table information.

GEOLOGIC INFORMATION

Geologic Age and Rock Stratigraphic Unit

Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - A digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

STATSGO: State Soil Geographic Database

Source: Department of Agriculture, Natural Resources Conservation Services

The U.S. Department of Agriculture's (USDA) Natural Resources Conservation Service (NRCS) leads the national Conservation Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps.

SSURGO: Soil Survey Geographic Database

Source: Department of Agriculture, Natural Resources Conservation Services (NRCS)

Telephone: 800-672-5559

SSURGO is the most detailed level of mapping done by the Natural Resources Conservation Services, mapping scales generally range from 1:12,000 to 1:63,360. Field mapping methods using national standards are used to construct the soil maps in the Soil Survey Geographic (SSURGO) database. SSURGO digitizing duplicates the original soil survey maps. This level of mapping is designed for use by landowners, townships and county natural resource planning and management.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

LOCAL / REGIONAL WATER AGENCY RECORDS

FEDERAL WATER WELLS

PWS: Public Water Systems

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

Public Water System data from the Federal Reporting Data System. A PWS is any water system which provides water to at

least 25 people for at least 60 days annually. PWSs provide water from wells, rivers and other sources.

PWS ENF: Public Water Systems Violation and Enforcement Data

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

Violation and Enforcement data for Public Water Systems from the Safe Drinking Water Information System (SDWIS) after

August 1995. Prior to August 1995, the data came from the Federal Reporting Data System (FRDS).

USGS Water Wells: USGS National Water Inventory System (NWIS)

This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on wells, springs, and other sources of groundwater.

STATE RECORDS

Nevada Well Log Database

Source: Dept of Conservation and Natural Resources, Division of Water Resources

Telephone: 775-687-4380

OTHER STATE DATABASE INFORMATION

Oil and Gas Well Database

Source: Nevada Bureau of Mines and Geology

Telephone: 775-784-6691

Oil and gas well location in the state of Nevada.

RADON

State Database: NV Radon Source: State Health Division

Telephone: 775-687-7531 Radon Test Results By Zip Code

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

PHYSICAL SETTING SOURCE RECORDS SEARCHED

STREET AND ADDRESS INFORMATION

© 2010 Tele Atlas North America, Inc. All rights reserved. This material is proprietary and the subject of copyright protection and other intellectual property rights owned by or licensed to Tele Atlas North America, Inc. The use of this material is subject to the terms of a license agreement. You will be held liable for any unauthorized copying or disclosure of this material.

APPENDIX C

USER QUESTIONNAIRE INTERVIEW QUESTIONNAIRES

2/16/12 Phone Interview w/ Anthony Franks

SITE MANAGER QUESTIONNAIRE

Note: In order to qualify for one of the *Landowner Liability Protections* offered by the Small Business Liability Relief and Brownfields Revitalization Act of 2001 (the "*Brownfields Amendment*") the USER must provide the following information (if available) to the environmental professional. Failure to provide this information could result in a determination that "All Appropriate Inquiry" is not complete.

		No listed			•	<i>p</i> .		
		e you been associate						
De	scribe the t	type of business(reenhouse	for U	ege-table	growing.		
1.	or recorde be listed check for	nental Cleanup Lier ed against the subject in the "exceptions to these liens could put you checked for the	ct property under for coverage" in the type type to the coverage" in the type type type type type type type typ	federal, tribal, s e property's tit Liability Protec	state or local law. tle insurance com ctions at risk.	In Colorado, suc imitment or policy	h lien:	s might
	Are yo	ou aware of any such	h liens against the	subject prope	erty?		Yes	Z-No
2.	use restric	and Use Limitations ctions or institutional er federal, tribal, state	controls (e.g., de	ed restrictions	s, covenants) that	may be in place r policy might also	at the list A	site or ULs.
	Are yo	ou aware of any poss	sible AULs involvir	ng the subject	site?		Yes	Zi No
3.	nearby proccupants degreaser	ted Knowledge. This roperties. For examination is of the property or other rs, gasoline, or other	pple, if you are inv or an adjoining p hazardous substa	volved in the soroperty, you ances common	same line of busir would probably nly used in that typ	ness as the curre know of any ch	ent or	former
	Do yo prese	ou have any specializent use of such substa	ed knowledge that ances on the subj	it might indicat ect or nearby	e the past or properties?	٥	Yes	☑ No
4.	Please no FMV, the	ket Value (FMV). A pote that this question User should conside purchase price signi	does not require er whether it might	an appraisal of be because c	of the property. If ontamination may	the price is signif be present at the	icantly	/ below
5.		Indicators. This inv						
	Do yo	ou know of any obvio	us indicators of po	ssible contain	ination on or near	the site?	Yes	XQ No
6.	Common a. Descr	Knowledge. Please ribe the past uses of	use a separate s the property:	heet if necess	ary.	zeen used	45	·a
	9	reenhouse n use for	For vege	tables	Site he	as not b	reer	1
	b. Descr	ribe any specific cher	micals that may ha	ave been pres	ent at the property	r. fertilize	<u>: (12</u>	1 +04
	Irch	gation drip	5 ystems.	Small q	ivantities	at pestic	1 de	2
	c. Descr	ribe any other inform	ation that may hel	p us identify p	ossible contamina	ition: None	-	
Pri	nted Name	e: Anthony	Franks					
Yo	Phyne ur Signatu	Therview Interview I to Include ony Frank	<u> </u>	16/12_Date	# of separa	te sheets attach	ed:	sheet.
m	enderl	1 to molu	de subs	equent	phone in-	terview 1	W1-	44

CONVERSATIO	N RECORD	TIME /01/5	DATE 21	28/12
TYPE VISIT	CONFERENCE	JELEPHON	E BUIL	ROUTING
	-		INCOMING	NAME/SYMBOL INT
Location of Visit / Conference: NAME OF PERSON(S) CONTACTED OR IN CONTA	ACT ORGANIZATION (Office	, dept., bureau, TELE	LOUTGOING PHONE NO.	-
Anthony Fran				
SUBJECT	7,000,000			
Large & Smal	16 reenhause	usage		
OUNIMART				
Spoke with F	Inthony Frank	L to obter	n clarif	Teation on
the large green has				
plants were tempora	orly stugged of	1 1 1	ng the r	ingly stages
of large greenhause (
resticioles, herbicides,				
the staging period	. The large gr	eenhouses	were do	ostroyad in
a hail sform the				
nouses were never re		,		
Mr. Frank diel	/ .			•
was operational				
herbicides and fer	tilizer were	used.	tower	n, he was
not sure what	Kind or wel	rat qua	nfity	as the
tribe did not		W	•	
		E		
CTION REQUIRED				
IAME OF PERSON DOCUMENTING CONVERSATION	ON SIGNATURE	- 1	DATE	
Brian Loffman	-687		19	28/12
CTION TAKEN				
GNATURE	TITLE	•	DATE	

12/1/2011 Site Visit 10:30om

USER QUESTIONNAIRE

Note: In order to qualify for one of the *Landowner Liability Protections* offered by the Small Business Liability Relief and Brownfields Revitalization Act of 2001 (the "*Brownfields Amendment*") the USER must provide the following information (if available) to the environmental professional. Failure to provide this information could result in a determination that "All Appropriate Inquiry" is not complete.

Moapa Large Greenhouses

Site Name: _

Ad	dress:	No listed	address (at the te	rminus of Greek	hause	Rd)
bes	st of you	ur ability, explaining e to note that the P	any Yes answers o	n a separate sheet plete, and your Lan	ng information. Please fill in of paper. Without these an downer Liability Protections	swers, ou	r report
1.	or reco	orded against the su ed in the "exception	bject property unde	r federal, tribal, stat the property's title	eck for environmental liens te or local law. In Colorado, insurance commitment or p ns at risk.	such lien	s might
			these environments such liens against t	•	?	☐ Yes ☐ Yes	
2.	use re	strictions or institution nder federal, tribal, s	onal controls (e.g.,	deed restrictions, con Colorado, the title	ng controls (e.g., slurry wall ovenants) that may be in pl commitment or policy might e?	ace at the	site or ULs.
3.	nearby occupa degrea	properties. For exants of the proper asers, gasoline, or o	xample, if you are ty or an adjoining	involved in the sam property, you wo stances commonly	experience related to the sume line of business as the could probably know of any used in that type of business are past or	current or y chemica	former
			ubstances on the su			☐ Yes	No No
4.	Please	note that this ques	tion does not requir	e an appraisal of th	FMV may indicate an environ ne property. If the price is s amination may be present a	ignificantly	y below
	ls 1	the purchase price s	significantly below fa	air market value?	100	☐ Yes	₩ No
5 . ·				·	releases, cleanups, etc. on		
	Do	you know of any ol	bvious indicators of	possible contamina	tion on or near the site?	☐ Yes	No No
6.	a. De	escribe the past use	ease use a separate s of the property: _ S, Le Use	Green hous	e for vegetabl	les	
		Diny Kind	7 31-0 030				3.0
	b. De	escribe any specific he green has	chemicals that may	have been present	at the property: Fert,	lizer cicles/	for herbicules
	c. De	escribe any other inf	ormation that may h	elp us identify poss	ible contamination:	ne	<u> </u>
Pri	 nted Na	ame: Lind	a Donahu	e	0 p		ě, o
					# of separate sheets att	ached:	
Yo	ur Sign	ature	2 2	Date	Explain Yes answers on		sheet.

Brian Loffman

From: Sent: Richard Jones [rjones@opd5.com] Tuesday, February 14, 2012 3:18 PM

To:

Brian Loffman

Subject:

RE: Moapa transformer

Hello Mr. Loffman

I received your email in regards to transformer #4691 that is located on the Moapa Indian Reservation. The test data is as follows:

- a. Test date 5/18/99
- b. 6 PPM
- c. Test # OE905181893 JACO
- d. Westinghouse 15 KVA
- e. Serial # 6178825
- f. 4691 OPD ID#

There is no reason for this transformer to be installed at the present location, I have put in a work request to have this transformer removed. This work should be completed within the next month.

If you have any questions or concerns feel free to call.

Richard Jones Linesuperintendent 702-378-8504 cell

From: Brian Loffman [mailto:BrianL@becnv.com]
Sent: Monday, February 13, 2012 2:58 PM

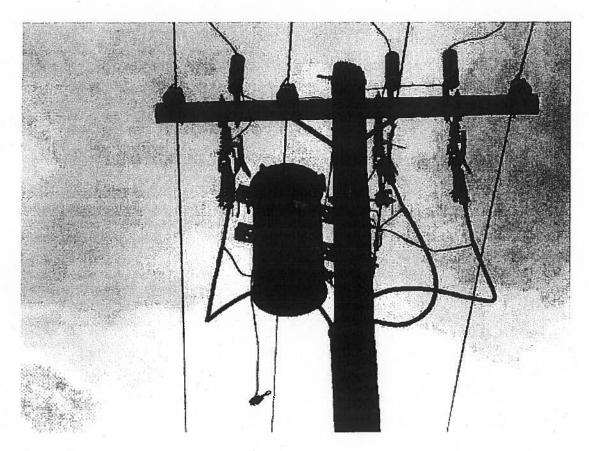
To: rjones@opd5.com Subject: Moapa transformer

Richard,

We spoke on the phone earlier today regarding a pole-mounted transformer adjacent to the greenhouse on the Moapa Band of Paiutes Indian Reservation. I have included a photo which has a number on the bottom (4691), not sure if that is an Overton Power ID # or not. The site has no address but is located at the end of Greenhouse Road...(coordinates: N 36.66167 W 114.65500).

If you could provide me any information on this transformer I would appreciate it. Please call me if you need additional information on its location.

Thanks



Brian Loffman, CEM Project Manager

BEC Environmental, Inc. 7660 W. Sahara Ave., Suite 150 Las Vegas, NV 89117

Phone: 702.304.9830 Fax: 702.304.9839 Email: <u>Brian@becnv.com</u>

This electronic mail may contain information that is privileged, proprietary and confidential and/or exempt from disclosure under applicable law. This transmission is intended solely for the individual or entity designated above. If you are not the intended recipient, you should understand that any distribution, copying, or use of the information contained in this transmission by anyone other than the intended recipient is unauthorized and strictly prohibited. If you have received this electronic mail in error, please immediately notify the sender and destroy all copies which you may have of this communication.

APPENDIX D

HISTORICAL RESEARCH DOCUMENTATION

Moapa Large Greenhouses

Greenhouse Road Overton, NV 89040

Inquiry Number: 3217801.5

December 09, 2011

The EDR Aerial Photo Decade Package



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. EDR's 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.

Disclaimer - Copyright and Trademark Notice

This Report contains certain information obtained from a variety of public and other sources reasonably available to Environmental Data Resources, Inc. It cannot be concluded from this Report that coverage information for the target and surrounding properties does not exist from other sources. NO WARRANTY EXPRESSED OR IMPLIED, IS MADE WHATSOEVER IN CONNECTION WITH THIS REPORT. ENVIRONMENTAL DATA RESOURCES, INC. SPECIFICALLY DISCLAIMS THE MAKING OF ANY SUCH WARRANTIES, INCLUDING WITHOUT LIMITATION, MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE OR PURPOSE. ALL RISK IS ASSUMED BY THE USER. IN NO EVENT SHALL ENVIRONMENTAL DATA RESOURCES, INC. BE LIABLE TO ANYONE, WHETHER ARISING OUT OF ERRORS OR OMISSIONS, NEGLIGENCE, ACCIDENT OR ANY OTHER CAUSE, FOR ANY LOSS OF DAMAGE, INCLUDING, WITHOUT LIMITATION, SPECIAL, INCIDENTAL, CONSEQUENTIAL, OR EXEMPLARY DAMAGES. ANY LIABILITY ON THE PART OF ENVIRONMENTAL DATA RESOURCES, INC. IS STRICTLY LIMITED TO A REFUND OF THE AMOUNT PAID FOR THIS REPORT. Purchaser accepts this Report AS IS. Any analyses, estimates, ratings, environmental risk levels or risk codes provided in this Report are provided for illustrative purposes only, and are not intended to provide, nor should they be interpreted as providing any facts regarding, or prediction or forecast of, any environmental risk for any property. Only a Phase I Environmental Site Assessment performed by an environmental professional can provide information regarding the environmental risk for any property. Additionally, the information provided in this Report is not to be construed as legal advice.

Copyright 2011 by Environmental Data Resources, Inc. All rights reserved. Reproduction in any media or format, in whole or in part, of any report or map of Environmental Data Resources, Inc., or its affiliates, is prohibited without prior written permission.

EDR and its logos (including Sanborn and Sanborn Map) are trademarks of Environmental Data Resources, Inc. or its affiliates. All other trademarks used herein are the property of their respective owners.

Date EDR Searched Historical Sources:

Aerial Photography December 09, 2011

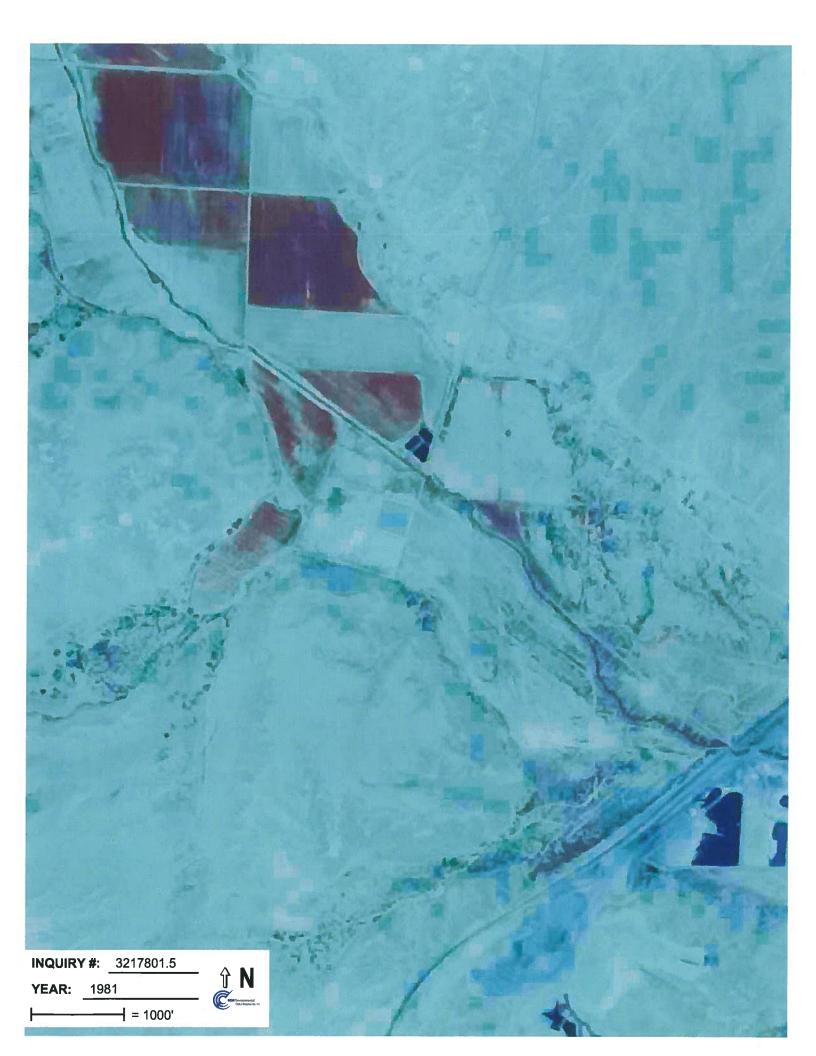
Target Property:

Greenhouse Road Overton, NV 89040

<u>Year</u>	<u>Scale</u>	<u>Details</u>	Source
1973	Aerial Photograph. Scale: 1"=1000'	Panel #: 36114-F6, Moapa West, NV;/Flight Date: October 28, 1973	EDR
1978	Aerial Photograph. Scale: 1"=750'	Panel #: 36114-F6, Moapa West, NV;/Flight Date: June 16, 1978	EDR
1981	Aerial Photograph. Scale: 1"=1000'	Panel #: 36114-F6, Moapa West, NV;/Flight Date: June 21, 1981	EDR
1994	Aerial Photograph. Scale: 1"=500'	Panel #: 36114-F6, Moapa West, NV;/Composite DOQQ - acquisition dates: September 11, 1994	EDR
1999	Aerial Photograph. Scale: 1"=750'	Panel #: 36114-F6, Moapa West, NV;/Flight Date: September 21, 1999	EDR
2006	Aerial Photograph. Scale: 1"=500'	Panel #: 36114-F6, Moapa West, NV;/Flight Year: 2006	EDR













Moapa Large Greenhouses

Greenhouse Road Overton, NV 89040

Inquiry Number: 3217801.4

December 05, 2011

EDR Historical Topographic Map Report



EDR Historical Topographic Map Report

Environmental Data Resources, Inc.s (EDR) Historical Topographic Map Report is designed to assist professionals in evaluating potential liability on a target property resulting from past activities. EDRs Historical Topographic Map Report includes a search of a collection of public and private color historical topographic maps, dating back to the early 1900s.

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

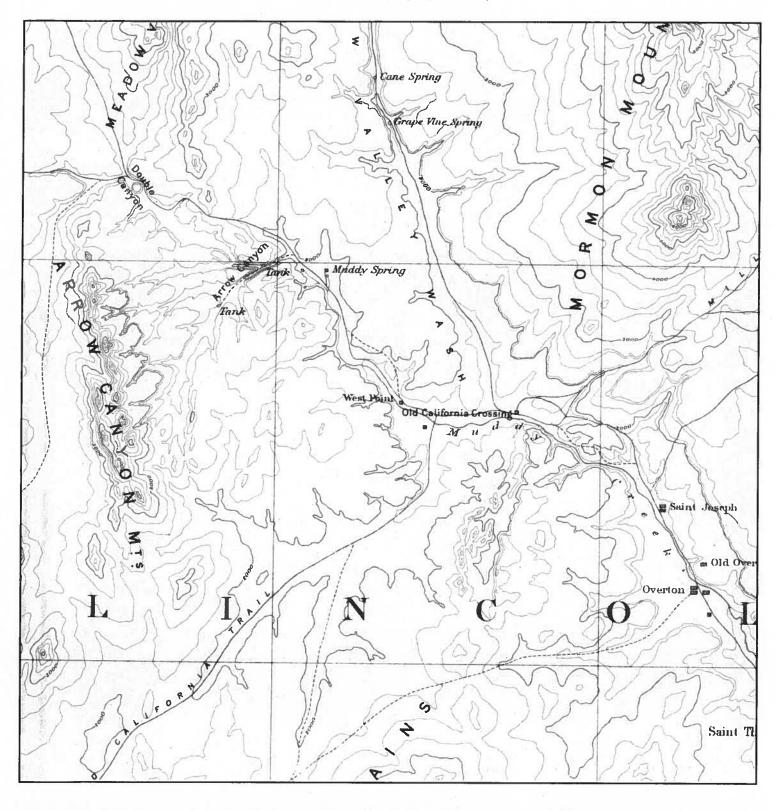
Disclaimer - Copyright and Trademark Notice

This Report contains certain information obtained from a variety of public and other sources reasonably available to Environmental Data Resources, Inc. It cannot be concluded from this Report that coverage information for the target and surrounding properties does not exist from other sources. NO WARRANTY EXPRESSED OR IMPLIED, IS MADE WHATSOEVER IN CONNECTION WITH THIS REPORT. ENVIRONMENTAL DATA RESOURCES, INC. SPECIFICALLY DISCLAIMS THE MAKING OF ANY SUCH WARRANTIES, INCLUDING WITHOUT LIMITATION, MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE OR PURPOSE. ALL RISK IS ASSUMED BY THE USER. IN NO EVENT SHALL ENVIRONMENTAL DATA RESOURCES, INC. BE LIABLE TO ANYONE, WHETHER ARISING OUT OF ERRORS OR OMISSIONS, NEGLIGENCE, ACCIDENT OR ANY OTHER CAUSE, FOR ANY LOSS OF DAMAGE, INCLUDING, WITHOUT LIMITATION, SPECIAL, INCIDENTAL, CONSEQUENTIAL, OR EXEMPLARY DAMAGES. ANY LIABILITY ON THE PART OF ENVIRONMENTAL DATA RESOURCES, INC. IS STRICTLY LIMITED TO A REFUND OF THE AMOUNT PAID FOR THIS REPORT. Purchaser accepts this Report AS IS. Any analyses, estimates, ratings, environmental risk levels or risk codes provided in this Report are provided for illustrative purposes only, and are not intended to provide, nor should they be interpreted as providing any facts regarding, or prediction or forecast of, any environmental risk for any property. Only a Phase I Environmental Site Assessment performed by an environmental professional can provide information regarding the environmental risk for any property. Additionally, the information provided in this Report is not to be construed as legal advice.

Copyright 2011 by Environmental Data Resources, Inc. All rights reserved. Reproduction in any media or format, in whole or in part, of any report or map of Environmental Data Resources, Inc., or its affiliates, is prohibited without prior written permission.

EDR and its logos (including Sanborn and Sanborn Map) are trademarks of Environmental Data Resources, Inc. or its affiliates. All other trademarks used herein are the property of their respective owners.

Historical Topographic Map



TARGET QUAD

SAINT THOMAS NAME:

MAP YEAR: 1886

SERIES:

60

SCALE:

1:250000

SITE NAME: Moapa Large

Greenhouses

ADDRESS:

Greenhouse Road

Overton, NV 89040

LAT/LONG:

36.6623 / -114.6556

CLIENT:

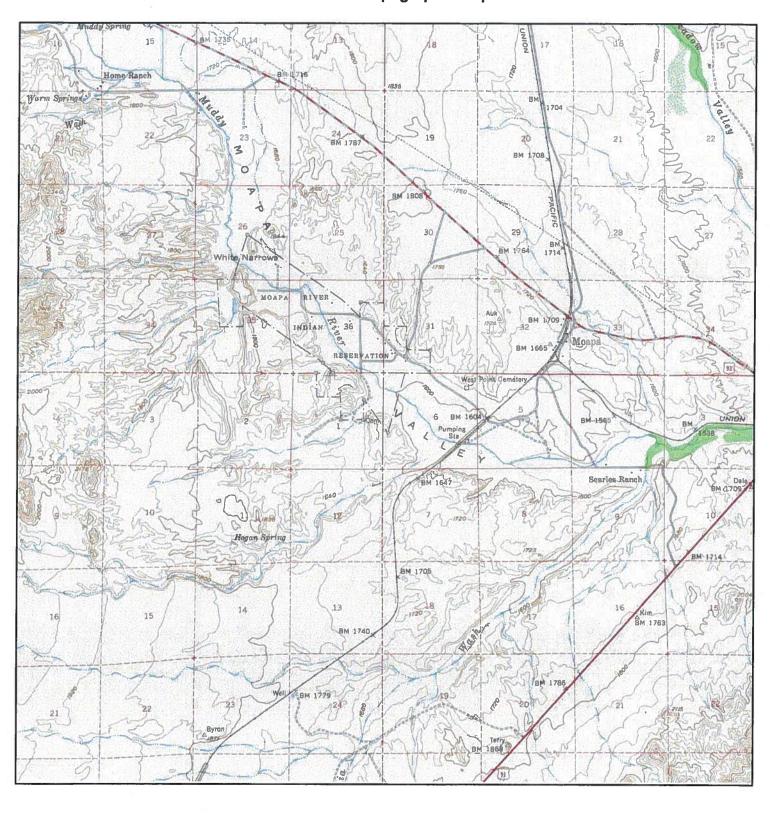
BEC Environmental, Inc.

CONTACT: INQUIRY#:

Brian Loffman 3217801.4

RESEARCH DATE: 12/05/2011

Historical Topographic Map



TARGET QUAD NAME: **MOAPA MAP YEAR: 1965** REVISED:1958

SERIES: 15 SCALE: 1:62500

LAT/LONG:

SITE NAME: Moapa Large Greenhouses

ADDRESS: Greenhouse Road

Overton, NV 89040

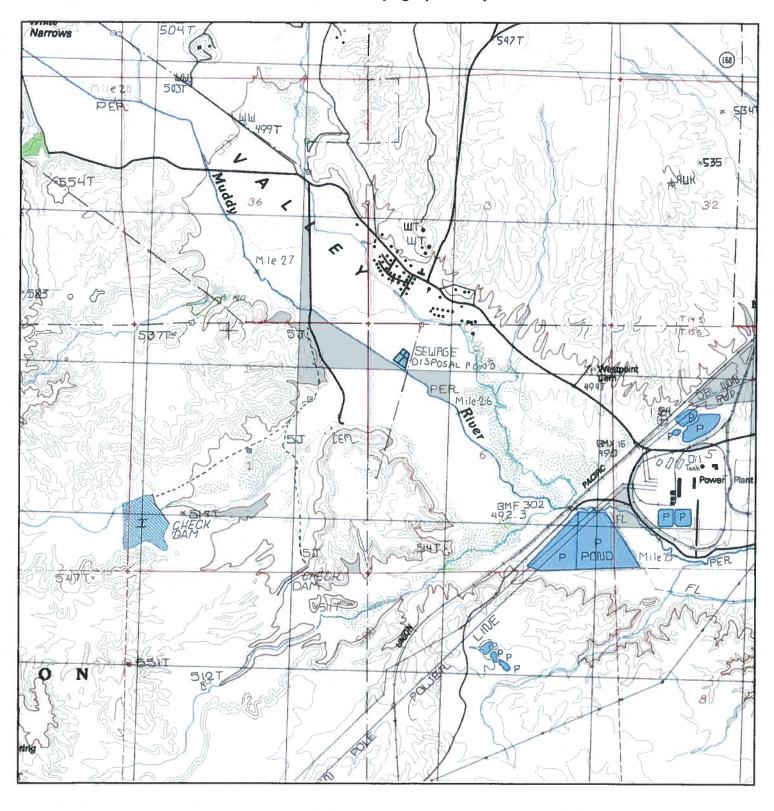
36.6623 / -114.6556

CLIENT:

BEC Environmental, Inc.

CONTACT: Brian Loffman INQUIRY#: 3217801.4 RESEARCH DATE: 12/05/2011

Historical Topographic Map



TARGET QUAD

NAME: MOAPA WEST

MAP YEAR: 1983 PROVISIONAL 7.5

SERIES:

SCALE: 1:24000 SITE NAME:

Moapa Large Greenhouses

ADDRESS: Greenhouse Road

Overton, NV 89040

LAT/LONG: 36.6623 / -114.6556 CLIENT:

BEC Environmental, Inc.

CONTACT: INQUIRY#:

Brian Loffman

3217801.4

RESEARCH DATE: 12/05/2011

Moapa Large Greenhouses

Greenhouse Road Overton, NV 89040

Inquiry Number: 3217801.3

December 05, 2011

Certified Sanborn® Map Report



Certified Sanborn® Map Report

12/05/11

Site Name:

Client Name:

Moapa Large Greenhouses Greenhouse Road Overton, NV 89040

BEC Environmental, Inc. 7660 West Sahara Ave Las Vegas, NV 89117

EDR Inquiry # 3217801.3

Contact: Brian Loffman



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

Certified Sanborn Results:

Site Name:

Moapa Large Greenhouses

Address:

Greenhouse Road

City, State, Zip:

Overton, NV 89040

Cross Street: P.O. #

NA

Project:

033.11.004

Certification #

EC3E-4A76-B859

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.



Sanborn® Library search results Certification # EC3E-4A76-B859

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

The Sanborn Library LLC Since 1866™

Limited Permission To Make Copies

BEC Environmental, Inc. (the client) is permitted to make up to THREE photocopies of this Sanborn Map transmittal and each fire insurance map accompanying this report solely for the limited use of its customer. No one other than the client is authorized to make copies. Upon request made directly to an EDR Account Executive, the client may be permitted to make a limited number of additional photocopies. This permission is conditioned upon compliance by the client, its customer and their agents with EDR's copyright policy; a copy of which is available upon request.

Disclaimer - Copyright and Trademark notice

This Report contains certain information obtained from a variety of public and other sources reasonably available to Environmental Data Resources, Inc. It cannot be concluded from this Report that coverage information for the target and surrounding properties does not exist from other sources. NO WARRANTY EXPRESSED OR IMPLIED, IS MADE WHATSOEVER IN CONNECTION WITH THIS REPORT. ENVIRONMENTAL DATA RESOURCES, INC. SPECIFICALLY DISCLAIMS THE MAKING OF ANY SUCH WARRANTIES, INCLUDING WITHOUT LIMITATION, MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE OR PURPOSE. ALL RISK IS ASSUMED BY THE USER. IN NO EVENT SHALL ENVIRONMENTAL DATA RESOURCES, INC. BE LIABLE TO ANYONE, WHETHER ARISING OUT OF ERRORS OR OMISSIONS, NEGLIGENCE, ACCIDENT OR ANY OTHER CAUSE, FOR ANY LOSS OF DAMAGE, INCLUDING, WITHOUT LIMITATION, SPECIAL, INCIDENTAL CONSEQUENTIAL, OR EXEMPLARY DAMAGES. ANY LIABILITY ON THE PART OF ENVIRONMENTAL DATA RESOURCES, INC. IS STRICTLY LIMITED TO A REFUND OF THE AMOUNT PAID FOR THIS REPORT. Purchaser accepts this Report "AS IS". Any analyses, estimates, ratings, environmental risk levels or risk codes provided in this Report are provided for illustrative purposes only, and are not intended to provide, nor should they be interpreted as providing any facts regarding, or prediction or forecast of, any environmental risk for any property. Only a Phase I Environmental Site Assessment performed by an environmental professional can provide information regarding the environmental risk for any property. Additionally, the information provided in this Report is not to be construed as legal advice.

Copyright 2011 by Environmental Data Resources, Inc. All rights reserved. Reproduction in any media or format, in whole or in part, of any report or map of Environmental Data Resources, Inc., or its affiliates, is prohibited without prior written permission.

EDR and its logos (including Sanborn and Sanborn Map) are trademarks of Environmental Data Resources, Inc. or its affiliates. Alt other trademarks used herein are the property of their respective owners.

APPENDIX E ASBESTOS REGULATORY OVERVIEW

REGULATORY OVERVIEW FOR ASBESTOS

Regulatory oversight for the management, removal, and disposal of asbestos-containing materials (ACMs) is provided by a variety of Federal, State, and local agencies.

The three primary regulations enforced by regulatory agencies that govern various activities (e.g., inspection, assessment, abatement, etc.) relating to ACMs include the following: Asbestos Hazard Emergency Response Act (AHERA), National Emission Standards for Hazardous Air Pollutants (NESHAP), and the Asbestos Construction Safety Standard (as codified in Federal OSHA and Nevada OSHA regulations, EPA regulations concerning the identification, handling, management, and abatement of ACMs (as found in the AHERA and NESHAP) are implemented locally by the Clark County Department of Air Quality and Environmental Management Division (CCDAQEM) and the State of Nevada Department of Business and Industry – Asbestos Control Program (NDBIACP). Both Federal OSHA and Nevada OSHA regulate asbestos as a worker health and safety issue. The Federal OSHA, EPA, and CCDAQEM define ACMs as materials containing greater than one-percent asbestos.

The following is a brief description of the three major regulations relating to ACMs.

Asbestos Hazard Emergency Response Act (AHERA)

AHERA (40 CFR part 763), as implemented by the EPA, primarily pertains to the assessment and management of ACMs in Kindergarten (K) through 12th grade non-profit schools. However, many of the procedures, training requirements, and certifications defined by AHERA have become the industry standard for all other facilities.

National Emission Standard for Hazardous Air Pollutants (NESHAP)

NESHAP (40 CFR Part 61) is an asbestos standard that protects the general public from asbestos exposure due to renovation or demolition activities. NESHAP requires surveying for suspect materials (as defined above), notifying of intent to renovate or demolish, removal of regulated ACM (RACM) prior to renovation or demolition, and proper management of asbestos-containing wastes. A RACM is defined by NESHAP as follows:

Any friable ACM;

- A Category I non-friable ACM (such as floor tiles and asphalt roofing products) that
 has become friable or will be subject to sanding, grinding, cutting, or abrading during
 renovation or demolition activities; or
- A Category II non-friable ACM (all other non-friable ACMs) that has a high probability of becoming friable during demolition or renovation activities.

NESHAP requires that demolition activities be conducted with no visible emissions using wet methods. It should be noted that while NESHAP regulates renovation and demolition activities, it does not protect individual workers conducting asbestos abatement or provide instructions for how asbestos abatement projects should be conducted.

Asbestos Standard for the Construction Industry

The Asbestos Standard for the Construction Industry (Federal OSHA, 29 CFR 1926.1101) regulates asbestos exposure in the work place. This includes both persons working in a building containing ACMs and asbestos abatement workers/contractors. For abatement workers and contractors, the Asbestos Standard for Construction (Construction Standard) regulates the following:

- Protection of workers and the public during the removal;
- Medical surveillance requirements for workers;
- Detailed requirements for how asbestos is to be removed; and
- Training requirements for abatement personnel.

As previously noted, building materials containing greater than one percent asbestos are considered ACMs, and should be managed accordingly. Friable ACMs (RACMs) are regulated as Class I asbestos work and subject to the State of Nevada licensing regulations. The NESHAP regulations mandate the removal of RACMs prior to building demolition or renovation and also Category I or II non-friable materials that may become friable. In addition, any disturbance of a RACM caused by renovation or demolition activities, whether it is removing/replacing interior building components, repairing building components, or painting a friable asbestos-containing surface, is also governed by NESHAP regulations.

APPENDIX F

ASBESTOS LABORATORY ANALYTICAL REPORT



Polarized Light Microscope (PLM) Analysis for Asbestos in Bulk Sample

JobNumber:

201111962

Client:

BEC ENVIRONMENTAL INC

7660 W SAHARA AVE #150

LAS VEGAS, NV

89117-0000

Office Phone:

FAX:

(702) 304-9830 (702) 304-9839

Samples:

8 PLM

Rec: 12/15/2011 Method: EPA 600/R-93/116

The "New" Method; see below

Client Job: 031.11.004

PO Number:

Report Date:

12/16/2011

Date Analyzed:

12/16/2011

Routing Number: -

Method and Analysis Information:

Fiberquant Internal SOP: **PLMn**

Each bulk sample is first dissected under a 7-30x magnification stereo-microscope. This examination is used to determine the general type of sample, how many and what type of layers it has, and initial estimates of fiber types and quantities. Second, liquid media mounts are made of each layer - such mounts may be of selected fibers (used solely for identification purposes) or may be representative of the layer as a whole (used for quantitation purposes). The mounts may be made in a synthetic Canadian balsam, one of several solvents, or in refractive index oils (media of known refractive index). Generally, a variety of different mounts are made: some optimized for fiber visibility, some optimized for fiber identification, and some optimized for fiber quantitation. The mounted slides are then examined at 50-400x magnification on a Nikon Labphot-pol microscope. Optical characteristics are used to identify each observed fiber type; the optical data are contained for each sample on its detail analysis sheet, attached.

Current EPA and NESHAP regulations designate a result of <=1 % asbestos as "negative" and >1 % asbestos as "positive". Samples containing layers that have been determined to be "positive" may have to be handled differently during a renovation or demolition than samples whose layers have been determined to be "negative.

The method of fiber identification and quantitation is the "Standard Operating Procedures for the Analysis of Asbestos in Bulk Samples using Polarized Light Microscopy", Chapter 7 of the Quality Assurance and Management Manual. This SOP and its associated reporting have been designed to satisfy all requirements in both EPA Method 600/M4-82-020 (The Interim Method) and EPA Method 600/R-93/116 (The New Method). The Interim Method is the required method for AHERA (US EPA 40 CFR Pt. 763), but this method calls for the reporting of composited results of multi-layered samples that is no longer an acceptable reporting practice in most circumstances. Current EPA rules, such as NESHAP (US EPA 40CFT Pt. 61), as well as NVLAP accreditation policies, call for separate reporting for each layer of multi-layered samples. The New Method contains the same procedures for identification and quantification of asbestos as does the Interim Method, except that multi-layered samples are reported to comply with the latest US EPA rule. Fiberquant not only reports the asbestos content of each layer of multi-layered samples separately (satisfying current EPA and NVLAP reporting requirements), but Fiberquant also reports what percentage of the sample each layer comprises. Therefore, the results may be arithmetically composited to satisfy the reporting requirements of the Interim Method. The method of fiber quantitation is an estimation technique in which the analysts quantitation is routinely calibrated by reference quantitation standards, and which has been shown to be equivalent in precision and accuracy to point counting. Friability is estimated for the purposes of deciding when to point count. Friabilities determined in the field take precedence over those determined in the laboratory. Those sample layers which are friable and estimated by the analyst to contain <= 1% asbestos are point counted using 400 points. Such point counting is required by NESHAP (National Emission Standards for Hazardous Air Polutants, Nov. 1990) in order to rely on analytical results that are <= 1%. The coefficient of variation for the estimation quantitation technique is 100% in the range 0 5%. This means that PLM analysis is not capable of conclusively determining whether a layer containing close to 1% asbestos is actually "positive" or "negative". For this reason, Fiberquant refers to results where asbestos was detected but <= 1% as "borderline negative", and results where asbestos was >1 % but <= 2% as "borderline positive" to indicate the uncertainty in assigning a "positive" or "negative" label. In the sample summary, "ND" means that no asbestos was detected during the analysis. A "Tr" or "Trace" of asbestos reported is defined for our purposes as the detection of several asbestos fibers during the analysis; this level would be right at the limit of detection for the method. Trace is only reported on the analysis detail - in the summary a trace would be reported as <=1%. The limit of detection for the method. Trace is only reported on the analysis detail - in the summary a trace would be reported as <=1%. The limit of detection (the smallest % of asbestos that can be detected) varies greatly depending on the matrix in which the asbestos is found. As little as 0.001% asbestos can be detected in favorable samples, while detection in unfavorable samples may approach the detection limit of 1% stated in the method. During the analysis, the analyst, for Fiberquant identification purposes only, determines the "apparent sample type" and "apparent layer types." It must be emphasized that these types are only what is apparent. Often, different materials appear similar or identical after sampling, so the analyst may assign a type other than what was sampled.

Floor tiles present a special problem for PLM asbestos analysis. Floor tile can contain chrysotile fibers so thin that they cannot be resolved by optical methods. In such a case, we may observe a percentage of asbestos which is lower than the actual percentage, or not observe asbestos at all when some is present. For this reason, floor tiles reported as negative should be confirmed to be negative using transmission electron microscope (TEM) analysis. Likewise, vermiculite insulation materials containing traces of asbestiform asbestos present a problem for routine PLM analysis - the amphiboles are sometimes present in trace amounts inhomogeneously distributed. We recommend a hydro-separation technique for such samples.

Vermiculite-containing samples may contain trace amounts of asbestiform amphibole that may or may not be detected during routine PLM analysis. For this reason, loose vermiculite samples reported as negative should be confirmed to contain no amphibole using hydroseparation techniques.

The samples were analyzed under the following ongoing quality assurance program: Blank samples are routinely analyzed to maintain

5025 S. 33rd Street

Phoenix, Arizona 85040-2816

Phone: 602-276-6139

1-800-743-2687

FAX: 602-276-4558

Page 1 of 6

Fiberquant, Inc.

contamination-free materials. Each analyst has at least a bachelor's degree in physical science, and has also completed extensive training specific to asbestos analysis for 1-3 months before being allowed to analyze client samples. Qualitative reference samples are routinely analyzed to assure that analysts can identify asbestos and asbestos-look-alike fibers. Quantitative reference samples are routinely analyzed to calibrate and characterize the estimation procedure. Microscope alignment is checked each day. Refractive index oils are calibrated at least quarterly. At least 10% of client samples are re-analyzed from scratch by a different analyst than the original, and any discrepancies are resolved for the sample and similar sample types before the results are reported. All quality checks performed for these samples were in control except as detailed in the "Analytical Notes" below. All analysts participate in interlab round robins and proficiency testing to assure competence. Fiberquant is accredited by NVLAP (Lab #101031) for the analysis of bulk samples for asbestos using PLM. Accreditation does not imply endorsement by the EPA, any other United States governmental agency or any private agency or association. Each lab analysis refers only to the sample tested, and may not, due to the sampling process, be representative of the material sampled. This report may not be reproduced except in full, without the approval of Fiberquant Analytical Services.

Some results may have been calculated using client supplied data, such as volume or area sampled, for which Fiberquant assumes no liability for accuracy.

Job Analysis Notes:

PLM Analysis Sum	mary:	Job	Number:	201111962	031.11.004	
Sample	Number	Lab Numbe	r Appare	nt Sample Type *	· ·	Positive Layer Yes or No
Layer	Color Appar	ent Layer Type *	Asbestos Result	5		
Sample # ACM-00	1A	2011-1196	2-1 Miscell	aneous	A Province	Positive Layer? No
Layer # 1	white panel		no asbestos dete	cted		
Sample # ACM-00	11B	2011-1196	2- 2 Miscell	aneous		Positive Layer? No
Layer # 1	white panel		no asbestos dete	cted		
ample # ACM-00)3C	2011-1196	2-3 Miscell	aneous		Positive Laver? No
Layer # 1	white panel	140	no asbestos dete	cted		
ample # ACM-00	14D	2011-1196	2-4 Miscell	aneous		Positive Layer? No
	white panel		no asbestos dete	cted		
ample # ACM-00	5E	2011-1196	2-5 Miscell	aneous		Positive Laver? No
Layer # 1	white panel		no asbestos dete	cted		
ample # ACM-00	06F	2011-1196	2-6 Miscell	aneous		Positive Layer? No
	white panel		no asbestos dete	cted		
ample # ACM-00	7G	2011-1196	2-7 Miscell	aneous		Positive Layer? Yes
Layer # 1	tan surfac	e	no asbestos dete	cted		
Layer # 2	gray cem/a	sb board	10-20% chrysotti	e asbestos 2-5% cn	ocidolite asbestos	
ample # ACM-00			2-8 Miscell			Positive Layer? Yes
1.0		sb board		e asbestos 2-5% cn	ocidolite ashestos	

^{*} Apparent Sample Types and Apparent Layer Types are as they appeared to the analyst. Since many types of materials appear similar after sampling damage, the apparent type of material may not be the actual type of material.

5025 S. 33rd Street

Phoenix, Arizona 85040-2816

Phone: 602-276-6139

1-800-743-2687

FAX: 602-276-4558

Job Number:

201111962

031.11.004

Sample ACM-001A Lab Number 2011-11962- 1 Sampled: 12/1/2011 11:15 Condition: acceptable Analyzed By GBB 12/16/2011 An? OK **Apparent Smp Type** Miscellaneous Fibrous Solid Homogeneous Yes # Layers 1 Pos Layer? No # Sub-Samples 3 Non-Fibrous Components (in approx. decreasing order): polymer, filler, binder Layers Percents of Each Fiber Color Friability **Layer Type** Fib 1 Fib 2 Fib 3 Flb 4 Fib 5 Flb 6 100 30-40% panel white 1 100 Total % Overall % 30-40% Fiber Identification: glass fiber Refractive Index Determinations Fibers Color Mrph Iso Pleo Bi Elg Ext Col Par Col Per RI Par RI Per glass fiber CL D 3 4 5 Sample Analytical Note Procedure: tweased apart using forceps. Procedure: dissolution of matrix using solvent. Panel surface is tan. Sample ACM-001B Lab Number 2011-11962- 2 Sampled: 12/1/2011 11:21 Condition: acceptable Analyzed By GBB 12/16/2011 An? OK **Apparent Smp Type Miscellaneous** Fibrous Solid Homogeneous Yes # Lavers 1 Pos Layer? No # Sub-Samples 3 Non-Fibrous Components (in approx. decreasing order): polymer, filler, binder Layers Percents of Each Fiber # **Layer Type** % Color Friability Fib 1 Fib 2 Fib 3 Fib 4 Fib 5 Flb 6 panel 100 white 30-40% Overall % 30-40% Total % 100 Fiber Identification: glass fiber Refractive Index Determinations **Fibers** Color Iso Elg Oil Col Par Coi Per RI Par RI Per Pleo BI Ext Mrph glass fiber CL D Y 2 3 4 5 6 Sample Analytical Note Procedure: tweased apart using forceps. Procedure: dissolution of matrix using solvent. Panel surface is tan. Sample ACM-003C Lab Number 2011-11962- 3 Sampled: 12/1/2011 11:28 Condition: acceptable Analyzed By GBB 12/16/2011 An? OK **Apparent Smp Type Miscellaneous** Fibrous Solid # Sub-Samples 3 # Layers 1 Homogeneous Yes Pos Layer? No Non-Fibrous Components (in approx. decreasing order): polymer, filler, binder Layers Percents of Each Fiber Color Friability **Layer Type** % Fib 1 Fib 2 Fib 3 Fib 4 Flb 5 Fib 6 100 white 30-40% panei Total % 100 Overall % 30-40% Fiber Identification: glass fiber Refractive Index Determinations **Fibers** Pleo Ext Oil Col Par Col Per RI Par RI Per Color Mrph Iso BI Elg glass fiber n 3 4 5 6 Sample Analytical Note Procedure: tweased apart using forceps. Procedure: dissolution of matrix using solvent. Panel surface is tan.

Phone: 602-276-6139

Job Number:

201111962

031.11.004

Sample ACM-004D Lab Number 2011-11962- 4 Sampled: 12/1/2011 11:45 Condition: acceptable Fibrous Solid Analyzed By GBB 12/16/2011 An? OK **Apparent Smp Type** Miscellaneous Homogeneous Yes # Layers 1 Pos Layer? No # Sub-Samples 3 Non-Fibrous Components (in approx. decreasing order): polymer, filler, binder Layers Percents of Each Fiber Color Friability **Layer Type** Fib 1 Fib 2 Fib 3 Fib 4 Fib 5 Fib 6 panel 100 white 20-30% Total % 100 Overall % 20-30% Fiber Identification: glass fiber Refractive Index Determinations Fibers Col Par Col Per RI Par RI Per Color Mrph Iso Pleo Bi Elg Ext Oil glass fiber CL D 3 4 5 Procedure: tweased apart using forceps. Procedure: dissolution of matrix using solvent. Panel surface is tan. Sampled: 12/1/2011 11:54 Condition: acceptable Sample ACM-005E Lab Number 2011-11962-5 Analyzed By GBB 12/16/2011 An? OK **Apparent Smp Type** Miscellaneous Fibrous Solid Homogeneous Yes # Layers 1 Pos Layer? No # Sub-Samples 3 Non-Fibrous Components (in approx. decreasing order): polymer, filler, binder Layers Percents of Each Fiber Fib 5 Fib 6 **Layer Type** Color Friability Fib 1 Fib 2 Fib 3 FIb 4 20-30% panel 100 100 Overall % 20-30% Total % Fiber Identification: glass fiber **Refractive Index Determinations** Fibers Oll Col Par Col Per RI Par RI Per Ext Color Mrph Iso Pleo BI Elg glass fiber CL D 3 4 5 Sample Analytical Note Procedure: tweased apart using forceps. Procedure: dissolution of matrix using solvent. Panel surface is tan. Sample ACM-006F Lab Number 2011-11962-6 Sampled: 12/1/2011 12:07 Condition: acceptable Analyzed By GBB 12/16/2011 An? OK **Apparent Smp Type** Miscellaneous Fibrous Solid # Lavers 1 # Sub-Samples 3 Homogeneous Yes Pos Laver? No Non-Fibrous Components (in approx. decreasing order): polymer, filler, binder Percents of Each Fiber Friability # **Layer Type** Color Flb 1 Fib 2 Fib 3 Fib 4 FIb 5 Fib 6 100 panel white 20-30% Total % 100 Overall % 20-30% Fiber Identification: glass fiber **Refractive Index Determinations** Fibers Col Par Col Per RI Par RI Per Pleo Bi Ela Ext Color Mrph Iso glass fiber a D 3 4 5 6 Procedure: tweased apart using forceps. Procedure: dissolution of matrix using solvent. Panel surface is tan.

PLM Analysis Details

Job Number:

201111962

031.11.004

Sample ACM-007G

Lab Number 2011-11962-7

Sampled: 12/1/2011

12:21 Condition: acceptable Fibrous Solid

Analyzed By GBB

12/16/2011

An? OK **Apparent Smp Type** Miscellaneous

Pos Layer? Yes

Sub-Samples 6

Layers 2 Homogeneous No Non-Fibrous Components (in approx. decreasing order): powder, filler, binder

La	iyers						Percents of	Each Fiber		
#	Layer Type	%	Color	Friability	Fib 1	Fib 2	Fib 3	Fib 4	Flb 5	Flb 6
1	surface	0.5	tan	1	n.d.	n.d.	-	-	-	-
2	cem/asb board	99.5	gray	2	10-20%	2-5%	-	-		-
	Total %	100		Overall %	10-20%	2-5%	_		T _ I	

Fiber Identification:

chrysotile asbestos crocidolite asbesto

_									R	efractive I	ndex Deter	minatio	ns
	Fibers	Color	Mrph	Iso	Pleo	Bi	Elg	Ext	Oil	Col Par	Col Per	RI Par	RI Per
1	chrysotile asbestos	W	Α	N	N	L	+	Р	1.550	sb/o	gb/dr	1.553	1.545
2	crocidolite asbestos	BL	С	N	Υ	L	-	Р	1.700	-		~1.70	~1.70
3													" "
4													
5				11.77							11		
6							W I					THE THE	

Sample Analytical Note

Procedure: tweased apart using forceps. Procedure: dissolution of matrix using solvent. Procedure: dissolution of matrix using dilute HCl acid.

Sample ACM-008H

Lab Number 2011-11962-8

Sampled: 12/1/2011

12:31

Condition: acceptable

Analyzed By GBB

12/16/2011

An? OK

Apparent Smp Type Miscellaneous

Fibrous Solid

Homogeneous No

Layers 2

Pos Layer? Yes

Sub-Samples 6

Non-Fibrous Components (in approx. decreasing order): powder, filler, binder

La	yers						Percents o	Each Fiber		
#	Layer Type	%	Color	Friability	Fib 1	Fib 2	Fib 3	Flb 4	Fib 5	Flb 6
1	surface	0.5	tan	1	n.d.	n.d.	-	•	-	•
2	cem/asb board	99.5	gray	2	10-20%	2-5%		-	-	-
	Total %	100		Overall %	10-20%	2-5%	-	-		-

Fiber Identification:

chrysotile asbestos crocidolite asbesto

						1			R	efractive I	ndex Deter	minatio	ns
	Fibers	Color	Mrph	Iso	Pleo	BI	Elg	Ext	Oil	Col Par	Col Per	RI Par	RI Per
1	chrysotile asbestos	W	Α	N	N	L	+	Р	1.550	sb/o	gb/dr	1.553	1.545
2	crocidolite asbestos	BL	C .	N	Υ	L	-	Р	1.700	-	-	~1.70	~1.70
3		10											
4				(E)									
5										11			
6													

Sample Analytical Note

Procedure: tweased apart using forceps. Procedure: dissolution of matrix using solvent. Procedure: dissolution of matrix using dilute HCl acid.

Fr=Friability: 1=very non-friable: 2= non-friable: 3=friable: 4=highly friable

Colors: B=black;BL=blue;BR=brown;CL=clear;G=Green;GY=gray;OR=orange;OW=off-white;PN=pink;PU=purple;R=red;TN=tan;W=white;Y=yellow;V=various
Fiber Morphology: A=fine fibers/bundles, white, sinewy, flexible; B=fine fibers/bundles, w-br, straight, broomed ends; C=fine fibers/bundles, blue, straight, broomed ends;
D=fine to coarse fibers, CL-B, brittle; E=coarse fibers,CL or dyed, striated; F=coarse fibers or splinters, W-BR, ribbon-like; G=lath-like or shards, low aspect ratio, may

Iso=isotropism - may be yes or no; Pleo=pleochroism - may be yes or no; Bi=birefringence - may be None, Low, Medium or High ISO=ISOULOPISM - IMBY DE YES OF NO; PIECU=INECUTIOSM - IMBY DE YES OF NO; BI=DIFERTINGENCE - IMBY DE NONE, LOW, MEDIUM OF HIGH
Elg=sign of elongation - may be yes or no; BI=DIFERTINGENCE - IMBY DE NONE OF LOW, MEDIUM USED to for dispersion staining
Col Par=dispersion staining colors parallel to the fiber (fiber/halo): b/w=black/white; dg/py=dark gray/pale yellow; vg/y=violet gray/yellow; db/ly=dark blue/lemon
yellow; vb/g= vivid blue/gold; sb/o=sky blue/orange; pb/r=pale blue/red; gb/dr=gray blue/dark red; w/b=white/black. Col Perp=same only perpendicular to fiber.
RI Par=refractive index parallel to fiber; RI Perp=refractive index perpendicular to fiber PLM Analysis Details

Job Number:

201111962

031.11.004

Analyst: GLEG B. BEHNFELDT

Printed: 16-Dec-11

Original Print Date: 16-Dec-11

Larry S. Pieros, Approved Accreditation Signatory

FIBERO	UANT /	
		TICAL SERVICES
	ANALY	HCAL SERVICES

Fiberquant Analytical Services 5025 S. 334 St.; Phomix, AZ 85040; Phome: 602-276-6139; FAX: 602-276-4558; info@fiberquant.com

	5 A. W.			A WY
Andi	West HOL	111/201/4 41	//////////////////////////////////////	ustody Form
/ 3 # <i>6</i> 4 4 E		MUDII CII	W#########	MUSSIFIED X WILLIE

Submitted by (Company) BEC En	vironmental, Inc.
Address 7660 W. Sahara	Avenue, #150
City, State, Zip Code Las Vega	as, Nevada 89139
Phone 702-304-9830	FAX 702-304-9839
Email brian@becnv.cor	n
Invoice to (Company) Same As A	Above
Address	
City, State, Zip Code	
Phone	FAX

Sampled by (signature)

PO Number

Job Number or Project Name 031.11.004

Analysis Method Requested ONLY ONE METHOD per COC			Turn-around-time (circle one)			
			Rush		Norm	Ext
Asbestos by PLM	If so then by L	Interim AII ATPF ayer C or Sample C rotocot: Yes C No C	Urg. Rush V his	0 st	1-3 days 20	15-30 days
Fibers by PCM	7400(Area) [ORM (Personal)	(A)R		24hr	•
Asbestos by TEM	AIR: AHERA	☐ Mod. AHERA ☐	<6hr		24 hr	3-54
	Water*: Wa	iler 🔲 Sludgo 🗆	1-24		3.56	NIA
	Annex2 : CI	natifield Full				
	Vacuum Dust (ASTM)		3-56		5-100	NA
Pb by FLAA	Matrix:			hrs 3	2-3 days	N/A
Fungi	Air Sample: ID/Count: Other	Zef Alier Oth Bulk Swab Tape: Qual (%) Taper Quant (cm2)	<6 ltrs		days	NVA
Dust	NIOSH 500 🗆			hr T	24h	NVA
Other			 	all	Call	

Sample Number	Description/Location (include agar troelmakerlezo, Date)	Sample Date	Sample Time	Vol/Area
1) ACM-001A	Building skirt/panel (south green house)	12/1/2011	11:15	~2,500 sf
z) ACM-002B	Building skirt/panel (south green house)	12/1/2011	11:21	~2,500 sf
3) ACM-003C	Building skirt/panel (south green house)	12/1/2011	11:28	~2,500 sf
4) ACM-004D	Building skirt/panel (north green house)	12/1/2011	11:45	~2,500 sf
5) ACM-005E	Building skirt/panel (north green house)	12/1/2011	11:54	~2,500 sf
6) ACM-006F	Building skirt/panel (north green house)	12/1/2011	12:07	~2,500 sf
7) ACM-007G	ACP - transite pipe (NWC of north green house	12/1/2011	12:21	100 If (4")
8) ACM-008H	ACP - transite pipe (NWC of north green house	12/1/2011	12:31	100 If (4")
9)			— — —	
10)		h		
11)				
12)				
13)				
14)	2 1/1/			1 1
15)	1410			
16)	and the same of th			===
17)				
18)				2.
19)				
301				
1)Relinquished by:		Date:	Time:	
	Mand Date: 1215 Time: 7:03 4) Received by:	4)Received by:		Time:
* TEM Water: Sampler's nan Required by State of Arizoni		Page	of	

Review of Analysis Request (Initials)

Note: Data completed by client (including number and identity of samples) is assumed to be correct until it is verified at time of sample preparation.

C:\MSOffice\Winword\FORMS\COC28Forms.doc created: 7/1/88; Version 28; current: 03-01-11 Rev: LSP

201111962