



**Phase I Environmental Baseline Survey
for the Leasing of Nevada Test and Training Range,
EC-South Range, Well Site ER-EC-11,
for the Underground Test Area
Pahute Mesa Phase II Drilling and Testing Program
Nye County, Nevada**

May 2009

Prepared by Stoller-Navarro Joint Venture
for the U.S. Department of Energy, National Nuclear Security Administration Nevada Site Office

Report Documentation Page

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**PHASE I ENVIRONMENTAL BASELINE SURVEY
FOR THE LEASING OF NEVADA TEST
AND TRAINING RANGE, EC-SOUTH RANGE,
WELL SITE ER-EC-11,
FOR THE UNDERGROUND TEST AREA PAHUTE MESA
PHASE II DRILLING AND TESTING PROGRAM
NYE COUNTY, NEVADA**

U.S. Air Force
Nellis Air Force Base
Nevada Test and Training Range

May 2009

Approved for public release; further dissemination unlimited.

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List of Acronyms and Abbreviations

A20SM	Area 20 caldera structural margin
AFB	Air Force Base
AFPD	Air Force Policy Directive
AST	Aboveground storage tank
ASTM	American Society for Testing and Materials
BCA	Bureau of Corrective Actions
bgs	Below ground surface
BWM	Bureau of Waste Management
bgs	Below ground surface
CAMU	Corrective action management unit
CAS	Corrective action site
CAU	Corrective action unit
CERCLA	<i>Comprehensive Environmental Response, Compensation, and Liability Act</i>
CERCLIS	Comprehensive Environmental Response, Compensation, and Liability Information System
CORRACTS	RCRA Corrective Action Sites
DoD	U.S. Department of Defense
DOE	U.S. Department of Energy
EBS	Environmental baseline survey
ECHO	Enforcement & Compliance History Online
EPA	U.S. Environmental Protection Agency
EPCRA	<i>Emergency Planning and Community Right-to-Know Act</i>
ERNS	Emergency Response Notification System
ERP	Environmental Restoration Project
ESHO	Environmental Health, and Safety Online
FFACO	<i>Federal Facility Agreement and Consent Order</i>
FINDS	FIFRA/TSCA Tracking System
FMP	Fluid Management Plan
ft	Foot
FTTS	FIFRA/TSCA Tracking System
HGU	Hydrogeologic unit
HSU	Hydrostratigraphic unit
ICIS	Integrated Compliance Information System
LQG	Large quantity generator

List of Acronyms and Abbreviations (Continued)

LUST	Leaking underground storage tank
m	Meter
mi	Mile
N/A	Not applicable
NAD	North American Datum
NDEP	Nevada Division of Environmental Protection
NNSA/NSO	U.S. Department of Energy, National Nuclear Security Administration Nevada Site Office
NPDES	National Pollutant Discharge Elimination System
NPL	National Priorities List
NTMMSZ	Northern Timber Mountain moat structural zone
NTS	Nevada Test Site
NTTR	Nevada Test and Training Range
PADS	PCB Activity Data System
PCS	Permit Compliance System
PM-OV	Pahute Mesa-Oasis Valley
RCRA	<i>Resource Conservation and Recovery Act</i>
RCRAInfo	<i>Resource Conservation and Recovery Act Information</i>
SNJV	Stoller-Navarro Joint Venture
SQG	Small Quantity Generator
SWNVF	Southwestern Nevada Volcanic Field
TCU	Tuff confining unit
Tfb	Beatty Wash Formation
Tmat	Rhyolite of Tannenbaum Hill
TRI	Toxic Releases Inventory
Ttp	Pahute Mesa tuff
Ttr	Rocket Wash tuff
UGTA	Underground Test Area
USAF	U.S. Air Force
UTM	Universal Transverse Mercator
UXO	Unexploded ordnance
VTA	Vitric-tuff aquifer
WTA	Welded-tuff aquifer

Executive Summary

This Phase I Environmental Baseline Survey (EBS) was prepared to support the proposed lease of approximately 166 square miles of property (hereafter referred to as the “subject property”) withdrawn to the U.S. Department of Defense, U.S. Air Force, and Nellis Air Force Base to the U.S. Department of Energy, National Nuclear Security Administration Nevada Site Office (NNSA/NSO) for the drilling and development of Underground Test Area wells within the Pahute Mesa Phase II investigation area. The property in consideration is a portion of the EC-South Range and is located near the eastern boundary of the Nevada Test and Training Range, Nye County, Nevada (see [Figures 1-1](#) and [1-2](#)).

This EBS was prepared and the site reconnaissance was conducted in accordance with Air Force Instruction 32-7066, *Environmental Baseline Surveys in Real Estate Transactions*, and the American Society for Testing and Materials guideline *Standard Practice for Environmental Site Assessments* (ASTM E 1527-05), which defines good commercial and customary practices in the United States for conducting an environmental site assessment of a parcel of commercial real estate with respect to the range of contaminants within the scope of the *Comprehensive Environmental Response, Compensation, and Liability Act* (42 USC 9601).

In this EBS, the records review and interviews with key personnel encompass the entire subject property. However, the site reconnaissance, archeological and cultural resources inventory, and biological survey were limited to the proposed ER-EC-11 well site only. Therefore, as NNSA/NSO determines the exact locations for additional drill sites, additional site reconnaissance activities will be necessary for each proposed location. This will include environmental, biological, and cultural resources surveys. Additional database reviews should not be necessary unless current conditions change.

According to information gathered from document searches, interviews, and site reconnaissance, Stoller-Navarro Joint Venture, under contract to the NNSA/NSO, found no evidence of contamination in connection with the subject property and found no evidence of contamination on adjacent properties proximate to the subject property that would have a negative environmental impact on the subject property with the possible exception of groundwater contamination from the Nevada Test Site associated with underground nuclear testing.

Stoller-Navarro Joint Venture recommends that the subject property be considered a Category I property. A Category 1 property means that no storage, release, or disposal has occurred; and where no hazardous substances or petroleum products or their derivatives were stored, released into the environment or structures, or disposed on the subject property and where no migration from adjacent areas has occurred. Stoller-Navarro Joint Venture further recommends that no further environmental studies (excluding additional well site reconnaissance activities) be conducted for the subject property or adjacent properties other than to allow the NNSA/NSO Environmental Restoration Project to continue drilling, developing, sampling, and collecting data (at proposed well sites) associated with the underground test areas to determine the potential, velocities, and directions for groundwater contamination migration

1.0 Purpose of the Environmental Baseline Survey

The Underground Test Area (UGTA) Project is planning groundwater characterization activities in the Pahute Mesa Corrective Action Unit (CAU) area to address potential contamination resulting from past underground nuclear testing. Characterization activities will include drilling wells to obtain geologic and hydrogeologic data used in flow and transport models. A total of seven UGTA wells are proposed on the subject property, which is within the Pahute Mesa Phase II investigation area. This Environmental Baseline Survey (EBS) addresses the first well location (ER-EC-11) planned on the U.S. Air Force (USAF) EC-South Range of the Nevada Test and Training Range (NTTR).

The purpose of this Phase I EBS is to:

- Establish baseline property conditions before being leased by the U.S. Department of Energy (DOE), National Nuclear Security Administration Nevada Site Office (NNSA/NSO).
- Document the nature, magnitude, and extent of any existing environmental contamination of the subject property.
- Identify potential environmental contamination liabilities associated with the proposed lease and establish environmental due diligence.
- Develop information to assess health and safety risks.
- Protect human health and the environment.
- Determine possible effects of contamination on property valuation.
- Provide notice of environmental condition when required under Section 120 (h) (1) of the *Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA)* (USC, 2006), or any applicable state or real property disclosure requirements.

1.1 Boundaries of the Property and Survey Area

The subject property is located in the eastern portion of the EC-South Range of the NTTR and shares a common boundary with the Nevada Test Site (NTS) on the eastern boundary of the subject property (western boundary of the NTS) (Figures 1-1 and 1-2). The subject property is irregularly shaped and comprises approximately 166 square miles.

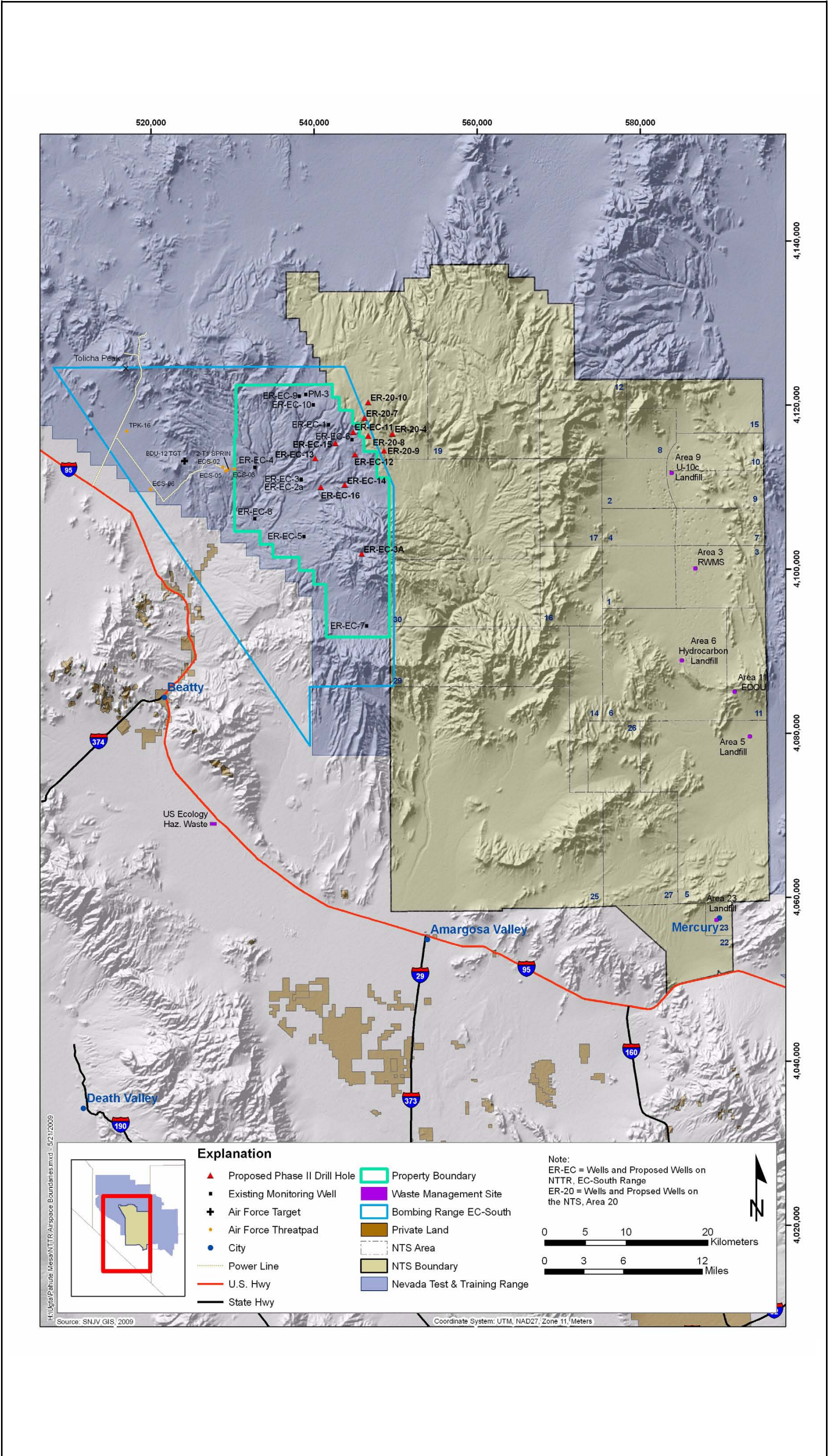


Figure 1-1 Location of the Subject Property

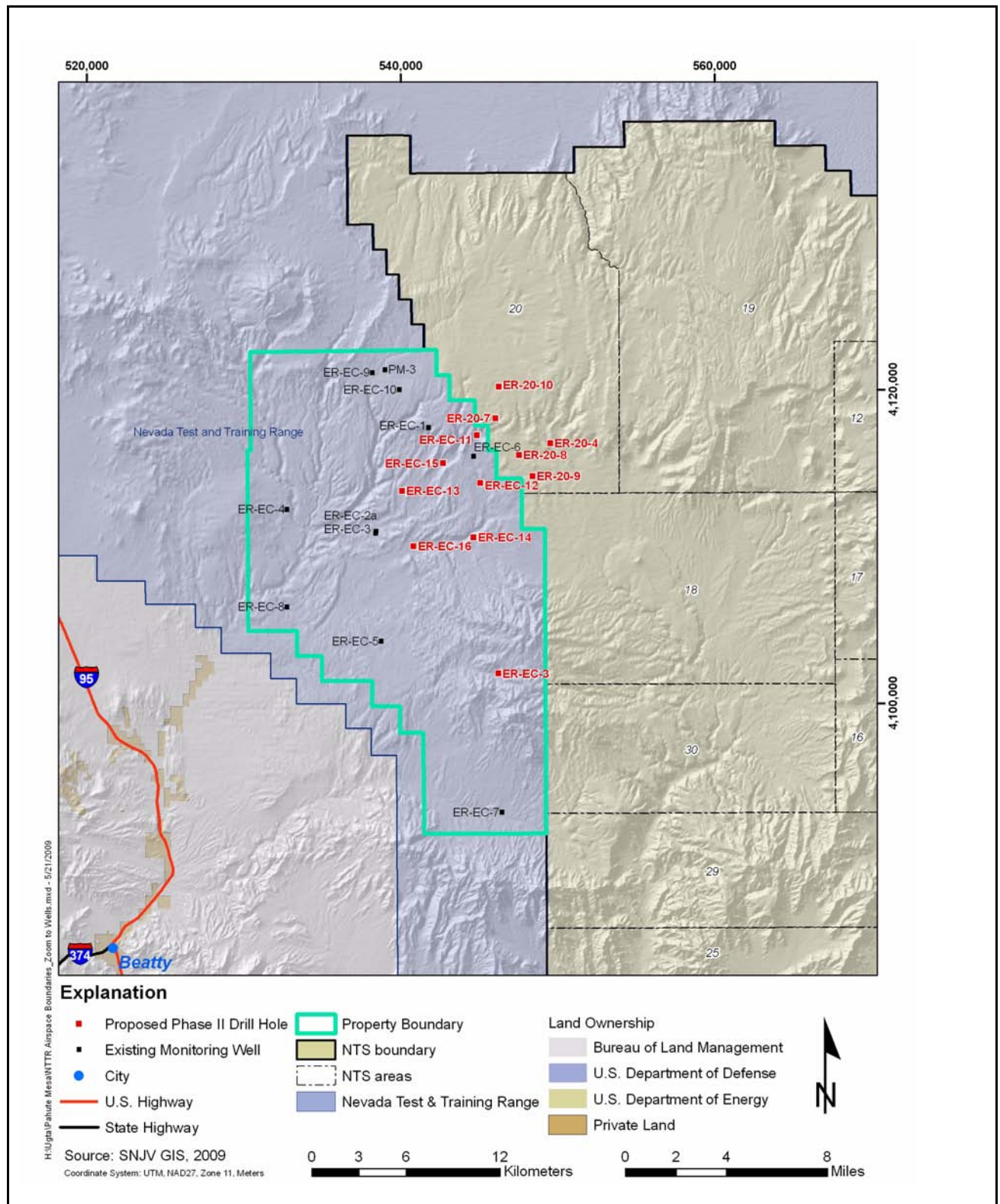


Figure 1-2
Underground Test Area Well Sites

The subject property is defined by 26 points as follows:

Point #1 - Located in the northwest corner of Section 18 of Township 8 South, Range 48 East; then due east approximately 6.5 miles (mi) to **Point #2** located in northeast corner of the west half of Section 17 of Township 8 South Range 49 East, which is the common boundary with the NTS; then following the NTS boundary due south approximately 1 mi to **Point #3** located in the southeast corner of the west half of Section 17 of Township 8 South Range 49 East; then due east approximately 0.5 mi to **Point #4** located in the northeast corner of Section 20 of Township 8 South Range 49 East; then due south approximately 1 mi to **Point #5** located at the southeast corner of Section 20 of Township 8 South Range 49 East; then due east approximately 1 mi to **Point #6** located at the northeast corner of Section 28 of Township 8 South Range 49 East; then due south approximately 1 mi to **Point #7** located at the southeast corner of Section 28 of Township 8 South Range 49 East; then approximately 0.5 mi due east to **Point #8** located at the northeast corner of the west half of Section 34 of Township 8 South Range 49 East; then due south approximately 1 mi to **Point #9** located at the southeast corner of the west half of Section 34 of Township 8 South Range 49 East; then due east approximately 0.5 mi to **Point #10** located at the northeast corner of Section 3 of Township 9 South Range 49 East; then due south approximately 1 mi to **Point #11** located at the southeast corner of Section 3 of Township 9 South Range 49 East; then due east approximately 1 mi to **Point #12** located at the northeast corner of Section 11 of Township 9 South Range 49 East; then due south approximately 2 mi to **Point #13** located at southeast corner of Section 14 of Township 9 South Range 49 East; then due east approximately 1 mi to **Point #14** located at the northeast corner of Section 24 of Township 9 South Range 49 East; then due south approximately 12 mi to **Point #15** at the southeast corner of Section 13 of Township 11 South Range 49 East; then due west approximately 5 mi to **Point #16** at the southwest corner of Section 17 of Township 11 South Range 49 East; then due north approximately 4 mi to **Point #17** at the northwest corner of Section 32 of Township 10 South Range 49 East; then due west approximately 1 mi to **Point #18** at the southwest corner of Section 30 of Township 10 South Range 49 East; then due north approximately 1 mi to **Point #19** at the northwest corner of Section 30 of Township 10 South Range 49 East; then due west approximately 1 mi to **Point #20** at the southwest corner of Section 24 of Township 10 South Range 48 East; then due north approximately 1 mi to **Point #21** at the southwest corner of Section 13 of Township 10 South Range 48 East; then due west approximately 2 mi to **Point #22** at the southwest corner of Section 15 of Township 10 South Range 48 East; then due north approximately 1 mi to

Point #23 at the southwest corner of Section 10 of Township 10 South Range 48 East; then due west approximately 1 mi to **Point #24** at the southwest corner of Section 9 of Township 10 South Range 48 East; then due north approximately 1 mi to **Point #25** at the southwest corner of Section 4 of Township 10 South Range 48 East; then due west approximately 2 mi to **Point #26** at the southwest corner of Section 6 of Township 10 South Range 48 East; then due north approximately 11 mi to **Point #1** at the northwest corner of Section 18 of Township 8 South Range 48 East to closure of the boundary.

2.0 Survey Methodology

2.1 Approach and Rationale

This EBS was produced in accordance with the following:

- Air Force Instruction 32-7066: “This instruction implements Air Force Policy Directive (AFPD) 32-70, *Environmental Quality*, by spelling out responsibilities and procedures for an Environmental Baseline Survey (EBS) in a real property transaction. This instruction also covers additional procedures for transactions involving unremediated real property and for the termination or expiration of temporary interests in real property” (USAF, 1994).
- American Society for Testing and Materials (ASTM) E 1527-05: “The ASTM guideline defines good commercial and customary practices in the U.S. for conducting an environmental site assessment of a parcel of commercial real estate with respect to the range of contaminants within the scope of the CERCLA (42 USC 9601). This practice is intended to permit a user to satisfy one of the requirements to qualify for the innocent landowner, contiguous property owner, or bona fide prospective purchaser limitations on CERCLA liability” (ASTM, 2005).

Stoller-Navarro Joint Venture’s (SNJV’s) scope of services for this project includes four major components:

1. Federal, state, and local environmental records review, including a review of historical and physical setting records.
2. A site reconnaissance to search for visible indications of contamination or potential contamination that may impact the environment, human health and safety, or historical and/or cultural resources.
3. Interviews with key site personnel.
4. The preparation of this EBS.

In this EBS, the records review ([Appendix A](#)) and interviews with key personnel ([Appendix E](#)) encompass the entire subject property. However, the site reconnaissance, cultural resources survey ([Appendix C](#)), and biological resources survey ([Appendix D](#)) were limited to the proposed ER-EC-11 well site, as the other proposed well sites have not yet been sited nor have access roads been constructed to make them accessible for physical reconnaissance. When the locations of each of the remaining proposed well sites are finalized, site reconnaissance and environmental, biological, and

cultural resources surveys will be performed for each specific well site, and a supplemental survey report shall be prepared and submitted.

This EBS categorizes the presence of hazardous substances or petroleum products or their derivatives for the subject property into the following category:

Category 1 – No storage, release, or disposal has occurred. Property where no hazardous substances or petroleum products or their derivatives were stored, released into the environment or structures, or disposed on the subject property and where no migration from adjacent areas has occurred.

3.0 Description of Records Reviewed

Stoller-Navarro Joint Venture researched federal and state environmental databases to identify features and activities associated with the subject property, and proximate adjacent properties that have resulted in, or are capable of resulting in, significant environmental impairment to the subject property. These databases are prepared and maintained by various federal and state environmental agencies such as the U.S. Environmental Protection Agency (EPA) and the Nevada Division of Environmental Protection (NDEP). To be conservative, the minimum appropriate search distance was 1 mi from the subject property’s boundary (Table 3-1). Excerpts and printout copies of the source databases are found in Appendix A.

Table 3-1
Summary of ASTM E 1527-05 Standard Environmental Record Sources Databases
Information Researched during Preparation of the EBS
 (Page 1 of 2)

Standard Environmental Record Sources, Per ASTM E 1527-05	Comments, Notes	Date of Record Search, Report	Search Distance ^a
National Priorities List (NPL)	Source identifies final (i.e., active), proposed, and deleted (i.e., delisted) sites.	May 2009	1.0 mi
Comprehensive Environmental Response, Compensation, and Liability Information System (CERCLIS)	Users now directed to EPA's <i>Superfund Information Systems, Superfund Site Information</i> , which lists “active” and “archived” sites.	May 2009	0.5 mi
<i>Resource Conservation and Recovery Act</i> Information (RCRAInfo)- Transportation, Storage, and Disposal Facilities (RCRA-TSD); Large Quantity Generators (LQG) and Small Quantity Generators (SQG)	Federal RCRA Corrective Action Sites (CORRACTS) facilities list, Federal RCRA non-CORRACTS facilities list, and Federal RCRA Generators list info now obtained via EPA Environmental Health, and Safety Online (ESHO) website. Also National Biennial RCRA Hazardous Waste Report (Based on 2007 Data). Also NDEP/Bureau of Waste Management (BWM) Permitted TSD Facilities and Corrective Action Management Unit (CAMU).	May 2009	Subject Property and Adjoining Properties
Federal Institutional Control/Engineering Control Registries	No subject property-specific information identified.	N/A	Property Only
Emergency Response Notification System (ERNS)	No subject property-specific information identified.	N/A	0.25 mi

Table 3-1
Summary of ASTM E 1527-05 Standard Environmental Record Sources Databases
Information Researched during Preparation of the EBS
 (Page 2 of 2)

Standard Environmental Record Sources, Per ASTM E 1527-05	Comments, Notes	Date of Record Search, Report	Search Distance ^a
Integrated Compliance Information System (ICIS)	Source replaced by EPA's Enforcement & Compliance History Online (ECHO).	May 2009	Property and Adjoining Properties
U.S. Department of Defense (DoD) Sites	No subject property-specific information identified.	May 2009	Subject Property
State and Tribal Lists of Hazardous Waste Sites Identified for Investigation or Remediation:	No Nevada CERCLIS equivalent, tribal lists not applicable to property.	N/A	N/A
- State and tribal-equivalent NPL	N/A; no Nevada equivalent available, no tribal property.		1.0 mi
- State and tribal-equivalent CERCLIS	N/A; no Nevada equivalent available, no tribal property.		0.5 mi
State and Tribal <i>Landfill And/or Solid Waste Disposal Site</i> List	NDEP/BWM, Solid Waste Facility Inventory.	May 2009	0.5 mi
State and Tribal Leaking Storage Tank Lists	NDEP Bureau of Corrective Actions (BCA) Leaking Tank Lists.	April 6, 2009	0.5 mi
State and Tribal Registered Storage Tank Lists	NDEP BCA Underground Storage Tank Lists.	May 2009	0.5 mi

^aIn accordance with ASTM 1527-05 (ASTM, 2005).

N/A = Not applicable

3.1 Databases

3.1.1 Federal Databases Reviewed

- National Priorities List (NPL)* – This EPA database includes EPA NPL sites that fall under the EPA's Superfund program, established to fund the cleanup of the most serious uncontrolled or abandoned hazardous waste sites identified for possible long-term remedial action. This database identifies proposed, final (i.e., active), and deleted (i.e., delisted) NPL sites.
Results: No active, deleted/delisted, or proposed EPA Superfund Sites were identified on or adjacent to the subject property.
- Superfund Information Systems (SIS)* – This database replaces EPA's CERCLIS database, which contained an extract of sites that have been or are in the process of being investigated for potential environmental risk, and listed active and archived CERCLA sites. Active CERCLIS sites are those at which site assessment, removal, remedial, enforcement, cost recovery, or oversight activities are being planned or conducted under the Superfund program.

The Archive designation indicates the site has no further interest under the Federal Superfund Program based on available information. **Results:** The NTS, EPA ID Number NV1890090011, adjacent to the subject property, was identified as the closest active site to the subject property. No archived sites were identified on or adjacent to the subject property.

- *PCB Activity Database (PADS)* – This EPA database identifies generators, transporters, commercial storers and/or brokers and disposers of polychlorinated biphenyls (PCBs) who are required to notify the EPA of such activities, via links to specific EPA Regional databases. *Region 9; Polychlorinated Biphenyls (PCBs)* – This EPA database identifies facilities in EPA Region 9 that are permitted under the *Toxic Substances Control Act (TSCA)* regulations to store and/or dispose of PCBs. **Results:** No TSCA-permitted PCB storage or disposal facilities were identified on or adjacent to the subject property. However, the NTS, adjacent to the subject property, was identified as a PCB waste generator.
- *Enforcement & Compliance History Online (ECHO)* – This EPA database replaced the ICIS database, which supported the needs of the national enforcement and compliance program as well as the unique needs of the *National Pollutant Discharge Elimination System (NPDES)*. The ECHO database provides compliance and enforcement information for facilities nationwide. **Results:** Four facilities were identified on the NTS, which is adjacent to the subject property. However, the database query results did not indicate environmental noncompliances associated with any of the four listed facilities or for the subject property.
- *National Biennial RCRA Hazardous Waste Report: Based on 2007 Data* – This EPA report, which can be queried by state, lists facilities by EPA ID number and location city, and lists the volume of RCRA-hazardous waste generated and/or managed by each facility for the two-year reporting period. **Results:** The NTTR, which encompasses the subject property, was listed as having generated 3 tons of RCRA-hazardous waste for the latest two-year reporting period. However, as detailed in the interview conducted with Mr. Kevin Krienzien (see [Appendix E](#)), the hazardous wastes generated from the NTTR were from operations and facilities outside the subject property boundary. The NTS, a significant adjacent property, was listed as generating 263 tons and managing 513 tons of RCRA-hazardous waste. However, as ECHO (previously discussed) does not indicate any compliance issues associated with the NTS, hazardous waste generation and management is not considered an environmental issue associated with the subject property.
- *The Federal Facilities Agreement and Consent Order (FFACO)* – This is the regulatory agreement and consent order between the DOE, DoD, and the State of Nevada (FFACO, 1996; as amended February 2008) for the remediation of inactive, contaminated sites in Nevada that are associated with the historical testing of nuclear weapons, propulsion systems, and related activities as regulated by Subsection 3008(U) of RCRA. The scope of the FFACO includes not only hazardous and mixed waste sites but also non-hazardous radioactive sites. The FFACO serves as the fundamental clean-up agreement for the execution of the NNSA/NSO Environmental Restoration Project (ERP). **Results:** Corrective Action Site (CAS) 20-15-01 on the NTS, adjacent to the subject property, was identified as the CAS closest to the subject property (specifically, proposed Well ER-EC-11), with regards to solid waste, hazardous waste, or radioactive waste management and/or disposal. This CAS

consists of a closed solid waste landfill and lies approximately 3 mi from the proposed ER-EC-11 well site. This CAS represents the solid waste disposal facility closest to any of the proposed NTTR drill site locations. Therefore, no NTS solid waste disposal (i.e., landfill) related CASs are considered an environmental concern to the subject property. However, the underground test cavities discussed in [Section 8.0](#) of this EBS are also identified as CASs under the FFACO, and the environmental impacts of these CASs on the subject property are presented in [Section 8.0](#).

- *Resource Conservation and Recovery Act Information (RCRAInfo)* – This national information system supports the RCRA program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA. **Results:** The RCRA Biennial Report data presented above were the only RCRAInfo data identified for the subject property.
- *Emergency Response Notification System (ERNS)* – This database contains data on reported releases of oil and hazardous substances. **Results:** No ERNS data were identified for the subject property.
- *FIFRA/TSCA Tracking System (FTTS) – Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), Toxic Substances Control Act (TSCA), and Emergency Planning and Community Right-to-Know Act (EPCRA)* tracking system regarding pesticide enforcement actions, compliance activities related to FIFRA, and activities related to EPCRA over the previous five years. **Results:** No FIFRA/TSCA data were identified for the subject property.
- *Facility Index System/Facility Registry System (FINDS)* – This database contains both facility information and “pointers” to other sources that contain more detail. Stoller-Navarro Joint Venture includes the following FINDS databases in this report: PCS (Permit Compliance System) and PADS (PCB Activity Data System). **Results:** No FINDS data were identified for the subject property.
- *Toxic Releases Inventory (TRI)* – This EPA database contains detailed information on toxic chemical releases and other waste management activities reported annually by certain industry groups as well as federal facilities. **Results:** The subject property was not listed as an EPA Regulated Facility in the TRI.

3.1.2 State of Nevada Databases Reviewed

- *NDEP/BWM, Solid Waste Facility Map* – This database lists state permitted solid waste disposal facilities. **Results:** This database lists four solid waste disposal facilities on the NTS ([Figure 1-1](#)), which is adjacent to the subject property, and one solid waste disposal facility on the NTTR (to the northwest off the map of [Figure 1-1](#)), which encompasses the subject property. However, the nearest one of these facilities, the NTS Class III Solid Waste Disposal Site, U10c is located approximately 21 mi from the subject property. As a result, permitted solid waste disposal facilities are not considered an environmental concern to the subject property.

- *NDEP/BWM Permitted TSD Facilities and CAMU* – This database lists state permitted RCRA-hazardous waste treatment, storage, and disposal (TSD) facilities. **Results:** The entire NTS, which is adjacent to the subject property, is a RCRA-permitted facility. However, the nearest permitted hazardous waste treatment or disposal unit within a permitted TSD was identified per this database as U.S. Ecology, southeast of Beatty, Nevada, on U.S. Highway 95 as the permitted TSD facility nearest to the subject property (Figure 1-1). This TSD is outside the 1-mi search radius from the subject property and is downgradient; therefore, this facility should have no impact on the subject property.
- *NDEP BCA Underground Tank Program* – This database provides downloads of Federally Regulated Underground Storage Tank (UST) Lists and Corrective Actions/Leaking Underground Storage Tank (LUST) Lists. **Results:** A total of 456 active LUST cases as of April 6, 2009, were listed, none of which was within the subject property. A total of 4,264 closed LUST cases were identified for the period January 1, 1990, through April 6, 2009, one of which was identified with the NTTR. However, this case was located on the NTTR Range 63B and not on the EC-South Range. Therefore, none of these cases was located within the 1-mi search radius from the subject property. A total of 4,643 UST cases were listed, none of which was identified with the NTTR. Therefore, no USTs or LUST issues impact the subject property.

Note that many of the facilities/sites, and items of environmental interest identified were listed in multiple databases. No sites or facilities recorded from the database search within the search radius were identified that may have or have generated, stored, treated, and/or disposed of solid or hazardous waste within or near the subject property.

Facilities/sites greater in distance to the subject property than the distance of the search radius promulgated in the ASTM guidelines, downgradient and lower in elevation, were not considered to be a threat to the subject property.

3.2 Historical Maps/Aerial Photographs

A search was made by SNJV for historical aerial photographs and historical quadrangle maps available for the subject property. The only historical topographic quadrangle map reasonably available, and found to be of significant value to this survey, was the NTTR, EC-South Range map provided by Nellis Air Force Base (AFB) staff (Figure 3-1). This map does not depict the subject property boundary. However, it depicts the NTTR EC-South Range, which encompasses the subject property, and the southern portion of the NTTR in relation to the adjacent NTS property. This map depicts power lines, mines, and USAF training “threat pads,” which in addition to UGTA

wells and access roads are the only man-made features of environmental significance in the area of the subject property. Historic aerial photographs (see [Figures B.1-1](#) and [B.1-2](#)) showed the subject property to be undeveloped.

3.3 *Tract Register of Acquisition*

The EC-South Range, which is a sub-range of the NTTR and encompasses the subject property, is U.S. Bureau of Land Management (BLM) land that has been withdrawn for USAF use under the latest withdrawal, Public Law 106-65, “Military Lands Withdrawal Act of 1999” (Statutes at Large, 1999). During the 1970s and 1980s, the EC-South Range was part of Range 76 of the NTTR. Because the subject property has not changed title since 1940, historical information on land ownership before this date was not investigated, and a specific chain of title is not included with this document.

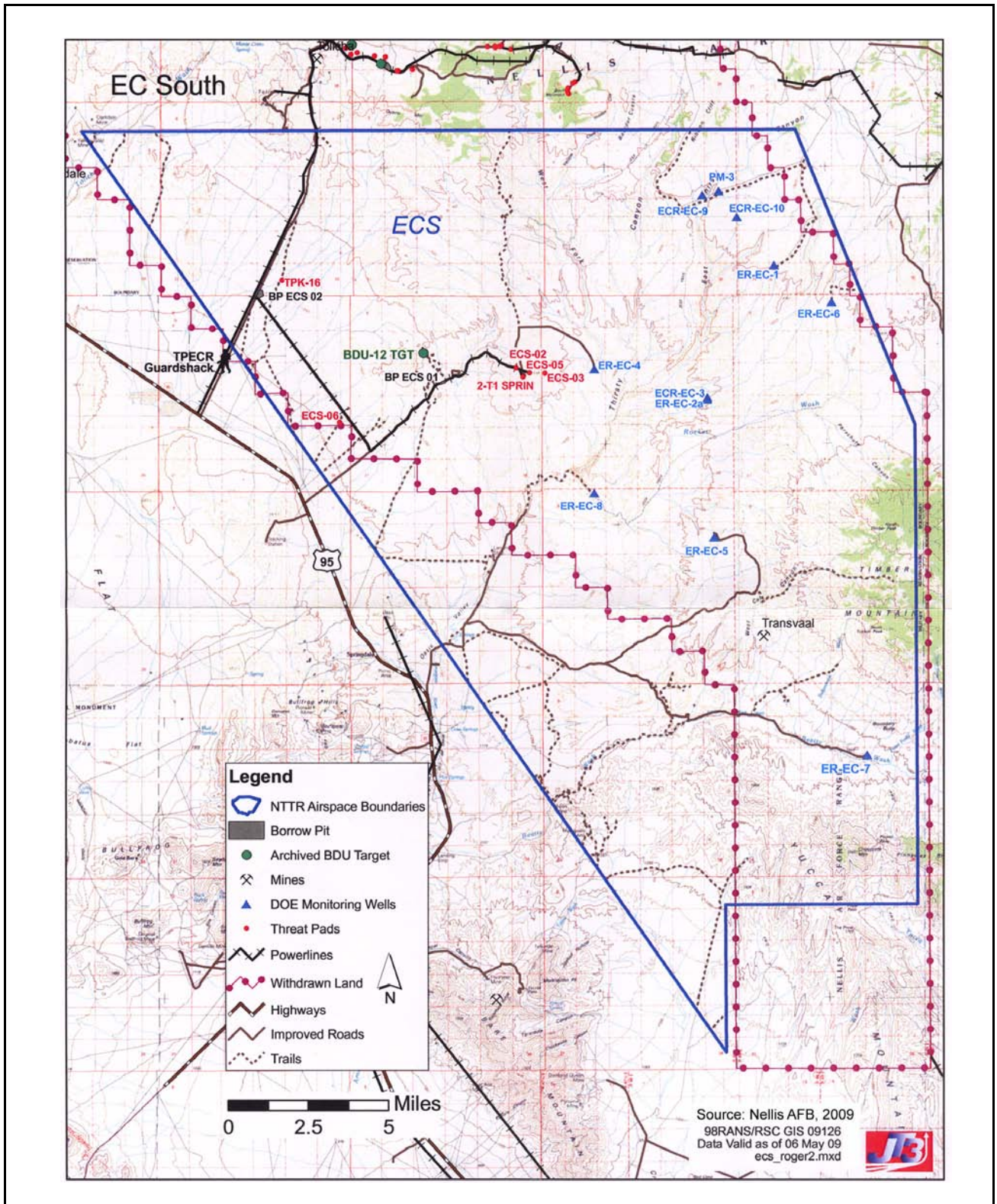


Figure 3-1
Nevada Test and Training Range, EC-South Range Current and Historical Features

4.0 Property Inspections

A site visit of the proposed location for Well ER-EC-11 on the NTTR was conducted by three SNJV environmental professionals on May 12, 2009. The purpose of the site visit was to visually observe the physical condition of the proposed well site and to obtain information indicating the likelihood of identifying any recognized environmental conditions in connection with the property. The proposed well site location is a staked square-shaped property having four sides, each extending approximately 600 feet (ft) in length (Figure 4-1). A dirt access road connects to the well site on the southwest side of the proposed well site. The periphery of the property was walked by the environmental professionals (spaced approximately 15 yards apart) and observed to be pristine high desert landscape (see Figure B.1-3). The surface was covered with silt and sand-sized volcanic particles up to boulders several feet in diameter and vegetated with small brush, grass, and an occasional Joshua Tree (see Appendix D). No man-made structures were identified on the proposed well site, and no cultural artifacts were observed. A detailed cultural survey has been completed (see Appendix C). A southwest trending drainage is located adjacent to the southwest side of the proposed well site. Approximately 75 percent of the well site had been grubbed to remove vegetation, but the work was stopped until the EBS had been completed. The property was also traversed in several directions across the disturbed area, and observations made on the site visit are described in the following sections.

4.1 General Site Setting

4.1.1 Current Use(s) of the Proposed Well Site

The current use of the proposed well site is for USAF flyovers where the USAF uses the airspace above the proposed well site. The vicinity of the proposed well site is pristine and appears to never have been used. The near-term proposed use is for the installation of an UGTA groundwater well to collect water samples and data from the groundwater and geology to provide input into UGTA groundwater modeling activities. There were no environmental concerns observed that would negatively impact the subject property.

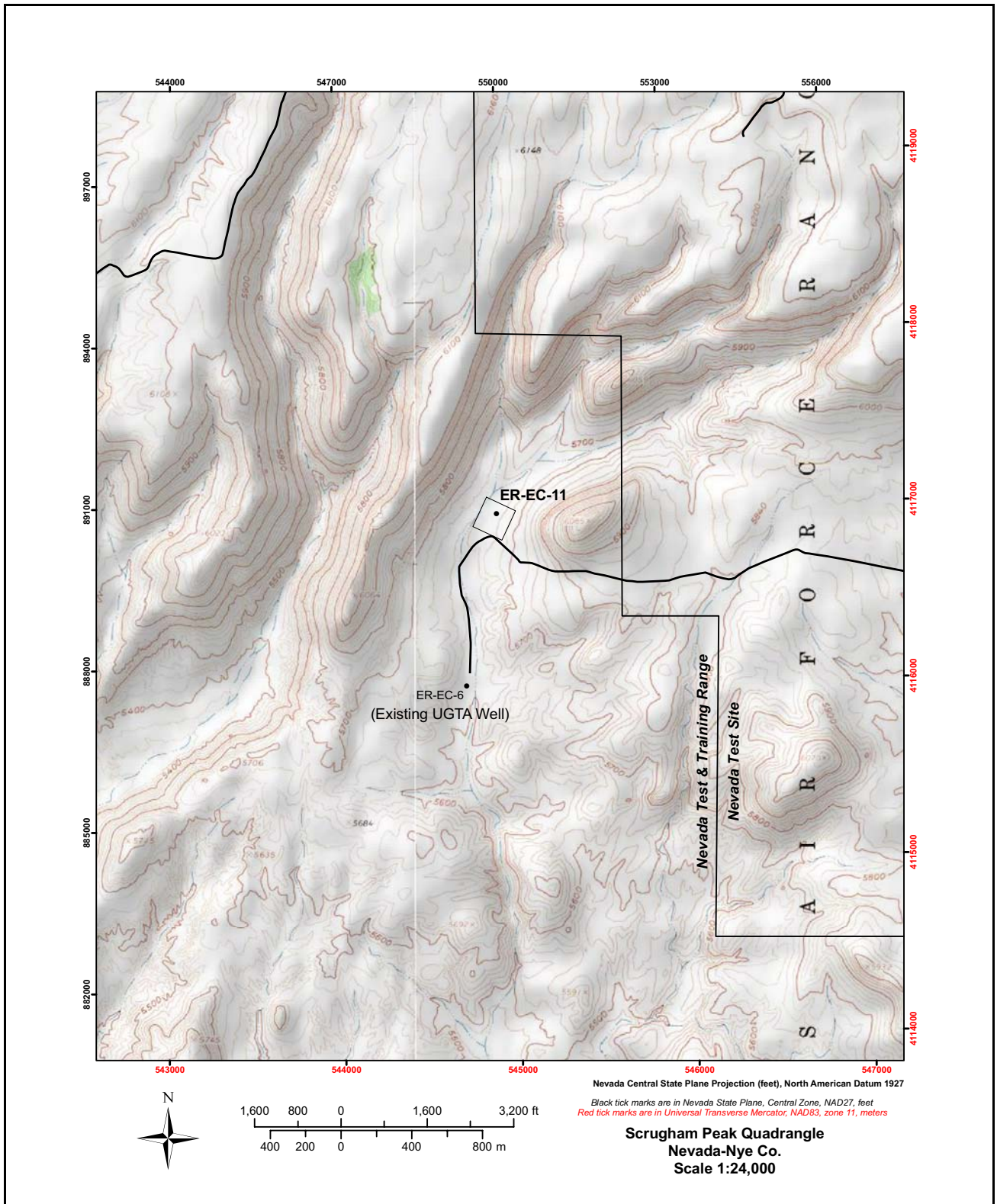


Figure 4-1
Underground Test Area Proposed ER-EC-11 Well Site

4.1.2 Past Use(s) of the Proposed Well Site

The proposed well site appears to be in pristine condition except where the grubbing was briefly conducted. No evidence was observed to indicate any other prior uses of the proposed well site. There were no environmental concerns observed that would negatively impact the proposed well site.

4.1.3 Current and Past Uses of Subject Property Adjacent to the Proposed Well Site

The proposed well site is located within the subject property. The current and past use of the subject property adjacent to the proposed well site is for USAF flyovers where the USAF uses the airspace above the proposed well site and nearby area. The adjacent subject property appears to be in pristine condition in the immediate vicinity of the proposed well site and appears to have never been used except where a dirt road was constructed that passes near the southeast corner of the proposed well site to provide access from the NTS to a nearby UGTA well, ER-EC-06, located approximately half a mile south of the proposed well site (Figure 1-2). It is possible, but not very likely, according to an interview with Mr. Roger T. Schofield, that unexploded ordnance (UXO) could be present in the area, but none was observed (see Appendix E). There were no environmental concerns observed that would negatively impact the proposed well site.

4.1.4 Current and Past Uses in the Surrounding Area

The current and past use of the immediate (up to 2,000 ft radius) area surrounding the proposed well site is for USAF flyovers where the USAF uses the airspace above the proposed well site. The properties adjoining the subject property are all NTTR for at least a mile to the north, west, and south. The NTS adjoins the subject property on the east side. There were no environmental concerns observed for a radius of 2,000 ft that would negatively impact the subject property.

However, Area 20 of the NTS is located approximately 2,300 ft due east of the proposed well site and approximately 3,000 ft due north of the proposed well site (Figure 1-2). Area 20 is an area where nuclear testing was conducted until approximately the end of fiscal year 1992. The TYBO underground nuclear test is the nearest nuclear test to the proposed well site. The TYBO test was conducted in 1975 and is located approximately 10,400 ft northeast of the subject property. It is possible that groundwater contamination (primarily tritium) could be migrating toward the subject property from the TYBO underground nuclear test and/or other nuclear tests that were also

conducted underground near TYBO. The proposed UGTA monitoring well, ER-EC-11, will provide data to further characterize groundwater contamination and migration in the area (see [Section 8.0](#) for additional information).

5.0 Personal Interviews

The following key personnel were contacted and interviewed in conjunction with this survey:

- Mr. Roger T. Schofield, CIV USAF ACC 98 RANW/XPL, is the USAF's Range Master, for the NTTR, which includes the EC-South Range, which in turn encompasses the subject property. In this capacity, Mr. Schofield is uniquely knowledgeable about the history of the NTTR facility and operations conducted thereon, both past and present.
- Mr. Kevin Krenzien, Mantech/SRS (a private contractor to the USAF), is an Environmental, Safety, and Health Manager. In this capacity, Mr. Krenzien is a subject matter expert for the generation and management of regulated wastes on and from the NTTR.

A summary of these interviews is presented in [Appendix E](#).

6.0 Sampling

No air, soil, or water samples were taken within the subject property as part of this Phase I EBS.

7.0 Findings for Subject Property

7.1 History and Current Use

The following sections describe the documents reviewed by SNJV to determine historical land uses and potential environmental conditions associated with those uses regarding the subject property and surrounding areas.

Current uses of the subject property are for USAF flyovers and for sampling of existing UGTA wells.

7.1.1 Historic Topographic Quadrangles

The historic quadrangle ([Figure 3-1](#)) showed the majority of the subject property to be undeveloped other than where UGTA has installed other wells and the extreme west of the subject property, where a “Wild Weasel” threat pad exists and where an old mine (the Transvaal) existed, located approximately 3 mi southeast of Well ER-EC-5.

7.1.2 Historic Aerial Photographs

Historic aerial photographs (see [Figures B.1-1](#) and [B.1-2](#)) showed the subject property to be undeveloped.

7.2 Environmental Setting

The subject property is located on the NTTR, west of the northwestern boundary of the NTS, between Black Mountain to the north and Timber Mountain to the south. The climate of the area is characterized by limited precipitation and large diurnal changes in temperature. Annual precipitation, including wintertime snow accumulations on Pahute Mesa, averages 23 centimeters (9 inches). However, precipitation in areas of lower elevation averages less. Temperatures in the region vary with elevation, with extremes ranging from -15 to 45 degrees Celsius (-5 to 113 degrees Fahrenheit) (SNJV, 2009).

The majority of the investigation area lies within dissected volcanic terrain between Pahute Mesa on the north and Timber Mountain on the south. The area’s topography is mainly the result of headward

erosion along southwest-draining Rocket Wash and Thirsty Canyon and southeast-draining Fortymile Canyon. The geology of the subject property consists of Precambrian and Paleozoic sedimentary rock units, Tertiary volcanic and sediment rocks, and Quaternary alluvial fill. A detailed discussion of the geologic and hydrologic settings can be found in the *Central and Western Pahute Mesa Phase II Hydrogeologic Investigation Wells Drilling and Completion Criteria* (SNJV, 2009). Excerpts from that document are presented in the following sections.

7.2.1 Geologic Conditions

The Pahute Mesa-Oasis Valley (PM-OV) area is dominated by Tertiary volcanic rocks erupted from various vents in the Southwestern Nevada Volcanic Field (SWNVF) located on, and adjacent to, the northwestern part of the NTS (Sawyer et al., 1994). At least six major calderas have been identified in this multicaldera silicic volcanic field (Figure 7-1). The calderas formed by the voluminous eruption of zoned ignimbrites (i.e., ash-flow tuffs) between 16 and 7.5 million years ago, resulting in thick accumulations of welded ash-flow tuff within the calderas and much thinner, but much more extensive, outflow sheets of welded ash-flow tuff (Byers et al., 1976; Sawyer et al., 1994). Continuing volcanic activity between caldera-forming eruptions produced thick piles of rhyolitic lava and bedded layers of ash- and pumice-fall deposits. The silicic volcanic rocks are covered in many areas by a variety of late Tertiary and Quaternary surficial deposits, including alluvium, colluvium, and basalt (Slate et al., 1999).

Most of the major geologic structures in the model area are related to caldera formation. These include caldera faults along which catastrophic collapse and subsidence of the land surface occurred during caldera-forming eruptions. These faults outline the structural margins of the calderas. Large, prominent, inward-facing topographic scallops called collapse collars are a common characteristic of calderas (Lipman, 1999). The outer rims of these collapse collars are typically referred to as the topographic margins of a caldera. Some of the topographic margins of the calderas of the SWNVF are known from surface exposures (e.g., Rainier Mesa and Black Mountain calderas), but most are buried by younger deposits and thus are inferred from other data. Caldera collapse collars typically form by slumping and mass wasting of the oversteepened caldera rims during caldera formation, resulting in the deposition of breccia within the caldera. These intra-caldera breccias deposits can account for a significant portion of the material filling the caldera. Most of the caldera

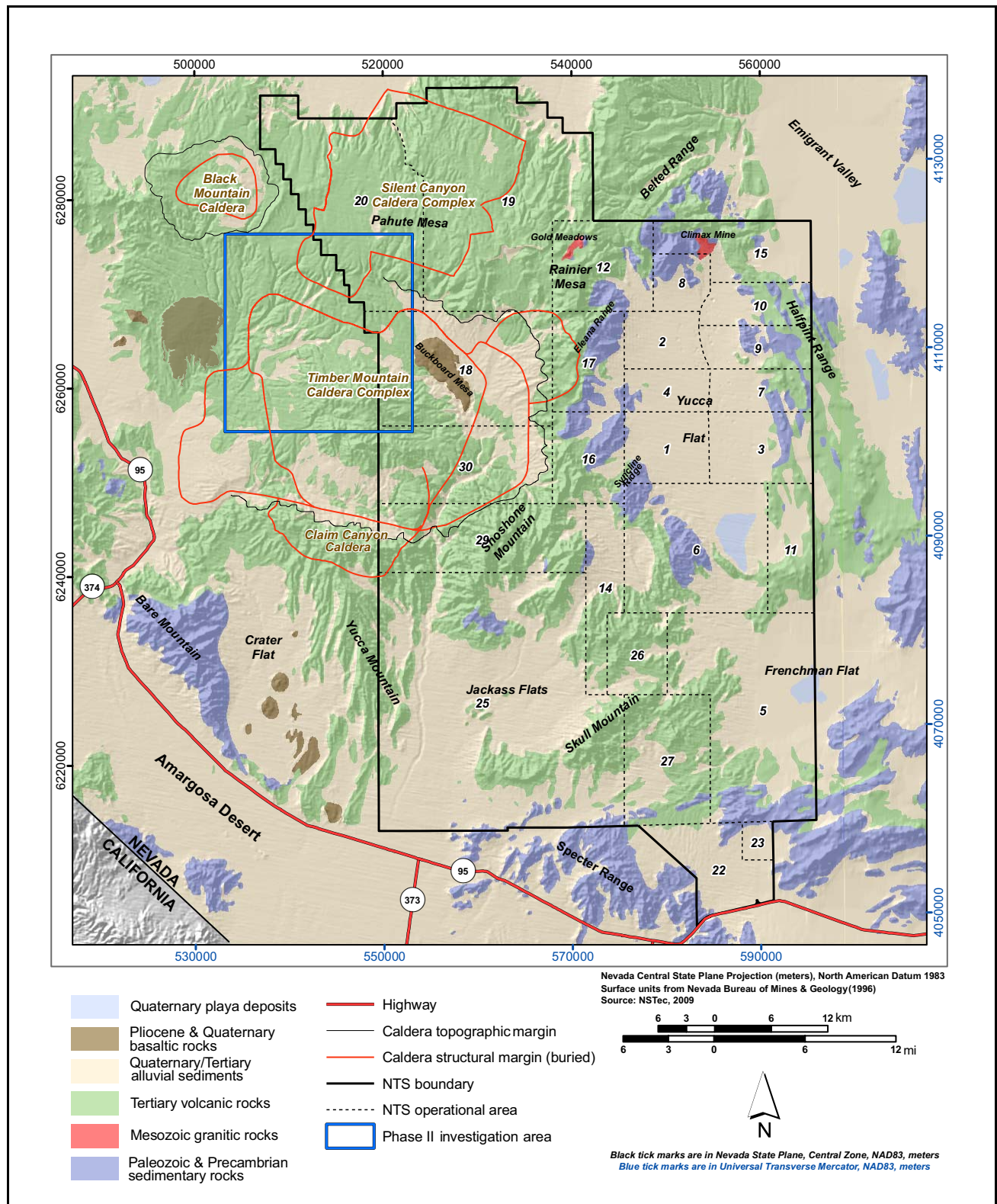


Figure 7-1
Generalized Geologic Map of the NTS and Phase II Investigation Area

features in the PM-OV area are buried by alluvium and younger volcanic deposits, and thus can only be inferred and approximately located from drill-hole and geophysical data and the regional geologic setting.

Although much of the PM-OV area has experienced only minimal extension during the past 16 million years (Sawyer et al., 1994), normal faults are not uncommon, particularly on Pahute Mesa (Slate et al., 1999). Many of the normal faults on Pahute Mesa appear to be partly associated with caldera formation (Warren et al., 1985; Ferguson et al., 1994).

7.2.2 Topography

The proposed well site topography is mainly the result of headward erosion along southwest-draining Rocket Wash and Thirsty Canyon and southwest-draining Fortymile Canyon. The subject property is located just south of the southern topographical margin of Pahute Mesa. The proposed well is located in the area immediately downgradient of Pahute Mesa and is intended to provide information that will refine the understanding of the hydrogeology in this important area. In particular, the well is intended to help define hydraulic parameters. Surface drainage in the vicinity of proposed Well ER-EC-11 is toward the south into Rocket Wash. The proposed well site is in a north-trending wash at an elevation of 1,724.3 meters (m) (5,657 ft) (Figure 7-2).

The proposed Well ER-EC-11 site is located along a dry wash composed of a thin veneer of Quaternary alluvium (less than 3 m [10 ft]) (Figure 7-2). Nonwelded to partially welded Ammonia Tanks Tuff is exposed on either side of the wash and on the hill-slope to the east of the Well ER-EC-11 site (Byers and Cummings, 1967). The overlying Beatty Wash Formation (Tfb) is exposed north, east, and west of Well ER-EC-11. Extensive exposures of Trail Ridge Tuff, Pahute Mesa Tuff (Ttp), and Rocket Wash Tuff (Ttr) occur to the north and west (Slate et al., 1999). An exposure of Ttp and Ttr also cap the eastern exposure of the Tfb. An extensive exposure of rhyolite of Tannenbaum Hill (Tmat) occurs approximately 914 m (3,000 ft) to the south of proposed Well ER-EC-11 (Slate et al., 1999).

The rocks in the vicinity of proposed Well ER-EC-11 have been cut by a few high-angle normal faults related to Basin and Range extension (Byers et al., 1976). Proposed Well ER-EC-11 is approximately 1,006 m (3,300 ft) southwest of the down-to-the-southwest Northern Timber Mountain moat

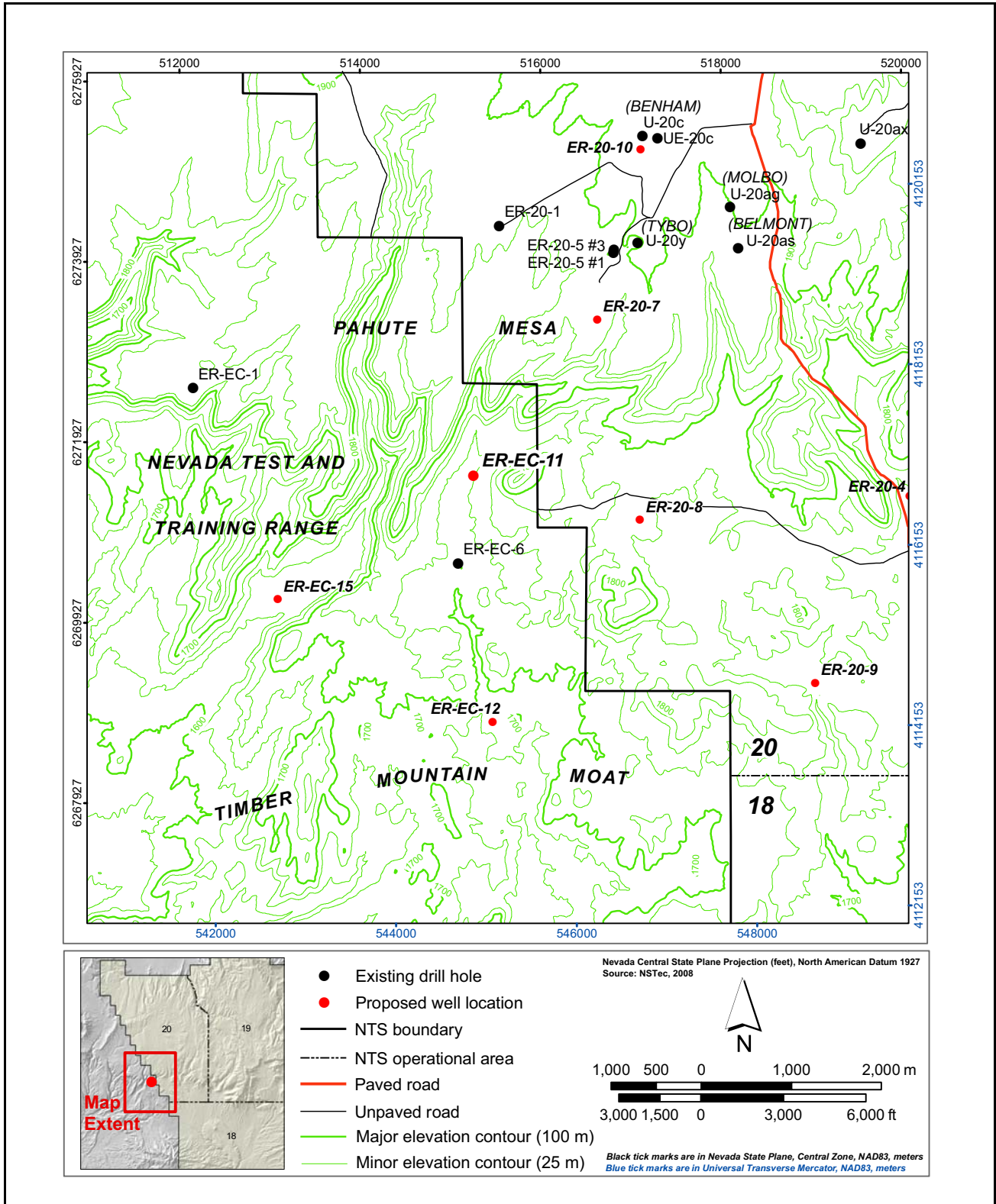


Figure 7-2
Topographic Map of the Proposed Well ER-EC-11 Area

structural zone (NTMMSZ) inferred to run northwest-southeast across the area (BN, 2002; Warren et al., 2000). The down-to-the-northeast Area 20 Structural Margin (A20SM) is approximately 1,219 m (4,000 ft) southwest of proposed Well ER-EC-11 (BN, 2002; Warren et al., 2000).

Proposed Well ER-EC-11 is located along a dry wash composed of a thin veneer of Quaternary alluvium (less than 3 m [10 ft]) (Figure 7-2). Nonwelded to partially welded Tma is exposed on either side of the wash and on the hill-slope to the east of the proposed Well ER-EC-11 site (Byers and Cummings, 1967). The overlying Tfb is exposed north, east, and west of proposed Well ER-EC-11. Extensive exposures of Ttt, Ttp, and Ttrs occur to the north and west (Slate et al., 1999). An exposure of Ttp and Ttrs also cap the eastern exposure of the Tfb. An extensive exposure of Tmat occurs approximately 914 m (3,000 ft) to the south of Well ER-EC-11 (Slate et al., 1999).

The rocks in the vicinity of proposed Well ER-EC-11 have been cut by a few high-angle normal faults related to Basin and Range extension (Byers et al., 1976). Proposed Well ER-EC-11 is approximately 1,006 m (3,300 ft) southwest of the down-to-the-southwest NTMMSZ inferred to run northwest-southeast across the area (BN, 2002; Warren et al., 2000). The down-to-the-northeast A20SM is approximately 1,219 m (4,000 ft) southwest of proposed Well ER-EC-11 (BN, 2002; Warren et al., 2000).

7.2.3 Hydrologic Setting

The hydrologic character of the subject property reflects the region's arid climatic conditions and complex geology (D'Agnese et al., 1997). The hydrology of the subject property and adjacent NTS has been extensively studied for more than 40 years (DOE/NV, 1996), and numerous scientific reports and large databases are available (see Section 10.0 for more detailed information). The following subsections present an overview of the hydrologic setting of the NTS and vicinity, including the subject property, as well as more detailed information on the Pahute Mesa Phase II investigation area, where additional UGTA wells are proposed.

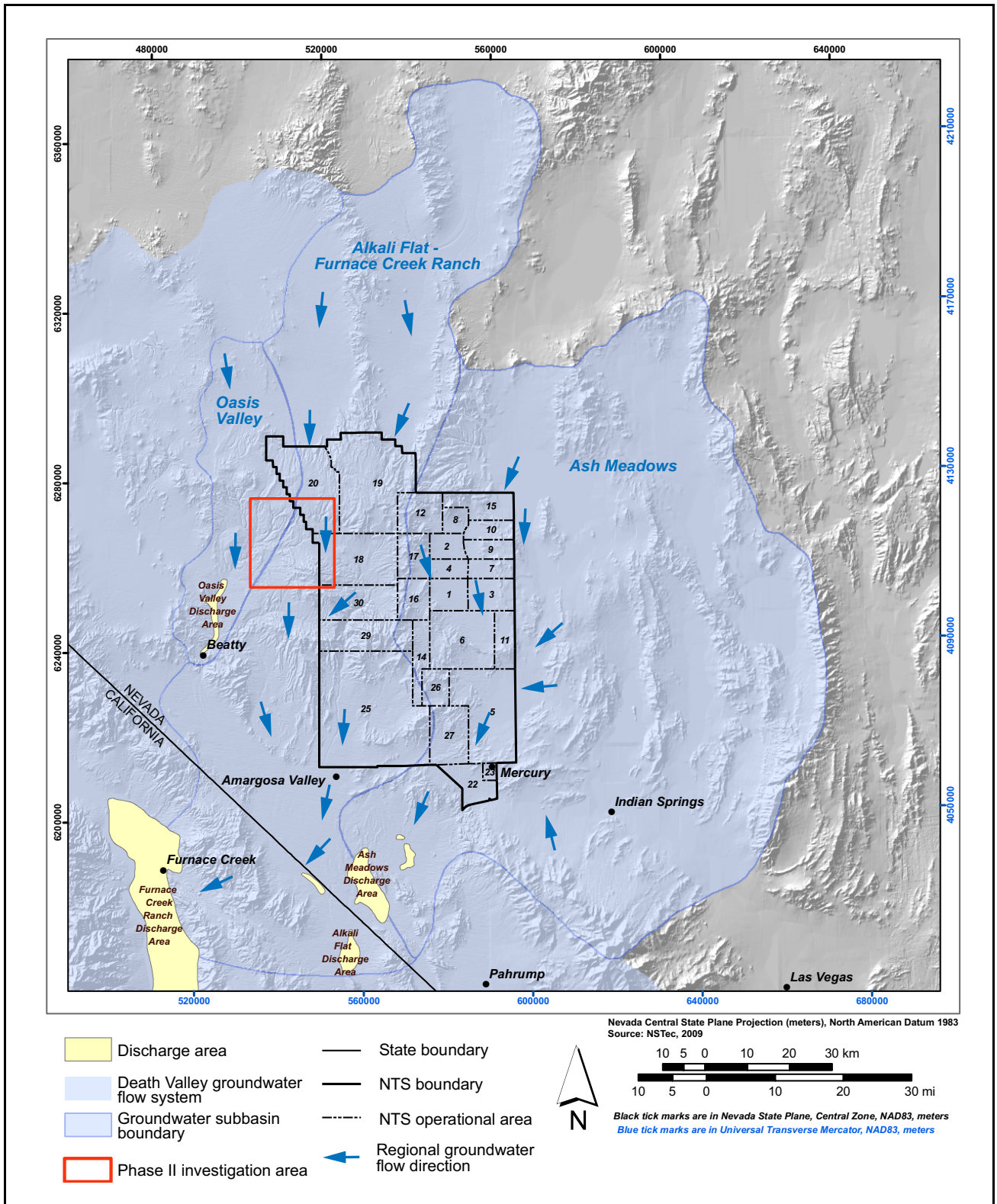
7.2.4 Surface Water

The subject property is located within the Great Basin, a hydrographic province characterized by internal drainage. The Great Basin is composed of numerous internally drained hydrographic sub-basins of which Yucca Flat and Frenchman Flat are notable examples. Most streams in the area are ephemeral, flowing only in response to precipitation events or snowmelt. Runoff is conveyed through normally dry washes toward the lowest areas of the hydrographic sub-basins, and either collects on playa lakes or infiltrates into the ground. Within the Pahute Mesa Phase II investigation area, runoff is generally from the higher elevations such as Pahute Mesa and Timber Mountain and into southwest-draining Rocket Wash and Thirsty Canyon and southeast-draining Fortymile Canyon. Springs that emanate from local perched groundwater systems are the only natural sources of perennial surface water in the area. There are 20 known springs or seeps on the NTS (Hansen et al., 1997), and more than 70 springs and seeps in Oasis Valley (Reiner et al., 2001). Spring discharge rates are low, ranging from 0.014 to 2.2 liters per second (0.22 to 35 gallons per minute) (IT, 1997; Thordarson and Robinson, 1971). Most water discharged from springs travels only a short distance from the source before evaporating or infiltrating into the ground. The springs are important sources of water for wildlife, but they are too small to be of use as a public water-supply source. No springs are present within the Pahute Mesa Phase II investigation area.

7.2.5 Groundwater

The subject property is located within the Death Valley regional groundwater flow system, one of the major hydrologic subdivisions of the southern Great Basin (Waddell et al., 1984; Lacznik et al., 1996). Groundwater in southern Nevada is conveyed within several groundwater flow-system sub-basins within the Death Valley regional flow system. Three principal groundwater sub-basins, named for their downgradient discharge areas, have been identified within the area: the Ash Meadows, Oasis Valley, and Alkali Flat-Furnace Creek Ranch sub-basins (Waddell et al., 1984) (Figure 7-3).

The Pahute Mesa Phase II investigation area lies along the boundary between the Oasis Valley and the Alkali Flat-Furnace Creek Ranch groundwater sub-basins. Generally, groundwater within the Death Valley regional flow system flows regionally through aquifers composed of fractured Paleozoic carbonate rocks, and locally through aquifers consisting of basin-filling alluvial deposits and



fractured volcanic rocks (Winograd and Thordarson, 1975; Laczniaik et al., 1996). Groundwater flow is restricted regionally by confining units of late Precambrian to early Paleozoic clastic and metamorphic rocks, and locally by igneous intrusive rocks and altered volcanic rocks. Recharge areas for the Death Valley groundwater system are the highest mountain ranges of central and southern Nevada, where there can be significant precipitation and snow melt. Groundwater flow is generally from these upland areas to natural discharge areas in the south and southwest. Groundwater at the subject property and adjacent NTS is also derived from underflow from basins upgradient of the area (Harrill et al., 1988). The direction of groundwater flow may locally be influenced by structure, rock type, or other geologic conditions. Existing water-level data (Reiner et al., 1995; IT, 1996a) and results of modeling groundwater flow (Waddell et al., 1984; Laczniaik et al., 1996; D'Agnese et al., 1997) indicate that the general groundwater flow direction within major water-bearing units beneath the subject property and adjacent NTS is to the south and southwest. Most of the natural discharge from the Death Valley flow system is via transpiration by plants or evaporation from soil and playas in the Amargosa Desert and Death Valley. Groundwater discharge at the subject property and adjacent NTS is minor, consisting of small springs that drain perched water lenses, and artificial discharge at a limited number of water-supply wells.

Predictions of the depth to water in the Pahute Mesa Phase II drilling program proposed wells range from 268 m (880 ft) in Well ER-EC-16, located in Rocket Wash, to 637 m (2,090 ft) in Well ER-20-10, located on Pahute Mesa. Estimated water-level elevations range from 1,250 m (4,164 ft) amsl in Well ER-EC-14, located in upper Rocket Wash, to 1,300 m (4,265 ft) in Well ER-EC-3A, located on Timber Mountain. The predicted depth to water for Well ER-EC-11 is approximately 450 m (1,477 ft).

Groundwater chemistry at the subject property and adjacent NTS ranges from a sodium-potassium-bicarbonate type to a calcium-magnesium-carbonate type, depending on the mineralogical composition of the aquifer source (Chapman, 1994).

7.2.6 Hydrogeologic Framework for the NTS and Vicinity

The current understanding of regional groundwater flow at the subject property and adjacent NTS is derived from work by Winograd and Thordarson (1975), which was summarized and updated by Laczniaik et al. (1996), and has further been developed by the UGTA hydrogeologic modeling team

(IT, 1996b). Winograd and Thordarson (1975) established a hydrogeologic framework, incorporating the work of Blankennagel and Weir (1973), who defined the first hydrogeologic units (HGUs) to address the complex hydraulic properties of volcanic rocks. Hydrogeologic units are used to categorize lithologic units according to their ability to transmit groundwater, which is mainly a function of their primary lithologic properties, degree of fracturing, and secondary mineral alteration. Hydrostratigraphic units (HSUs) for the NTS volcanic rocks were first defined during the UGTA modeling initiative (IT, 1996b).

Hydrostratigraphic units are groupings of contiguous stratigraphic units that have a particular hydrogeologic character, such as an aquifer (unit through which water moves readily) or a confining unit (unit that generally is impermeable to water movement). The concept of HSUs is very useful in volcanic terrains where stratigraphic units can vary greatly in hydrologic character both laterally and vertically (Prothro et al., 2009). The rocks of the NTS have been classified for hydrologic modeling using this two-level classification scheme, in which HGUs are grouped to form HSUs (IT, 1996b; Prothro et al., 2009). An HSU may consist of several HGUs but is defined so that a single general type of HGU dominates (e.g., mostly welded-tuff aquifers [WTAs] and vitric-tuff aquifers [VTAs], or mostly tuff confining units [TCUs]).

7.3 Hazardous Substances

Petroleum products were used in the drilling and development of the nine UGTA wells previously constructed on the NTTR. However, according to record searches, interviews, and site reconnaissance, no other evidence of petroleum products were observed within the subject property.

7.3.1 Hazardous Materials and Petroleum Products

According to record searches and interviews, no evidence of hazardous materials or petroleum products were known to be within the subject property other than the materials that UGTA used and removed during previous drilling activities.

7.3.2 Hazardous and Petroleum Waste

According to record searches, interviews, and a site reconnaissance, no evidence of hazardous waste from historic activities was observed within the subject property. The UGTA activities generate small

amounts of hazardous and petroleum wastes that are removed from the site and are properly disposed in accordance with federal, state, and internal requirements.

7.4 Environmental Restoration Program Sites

The subject property is located adjacent to Area 20 of the NTS, an adjacent property. Many environmental restoration program sites (also known as CASs) are located within Area 20; however, no active or closed CASs are located within 1 mi of the subject property (see detailed discussion in [Section 8.2](#)).

7.5 Storage Tanks

7.5.1 Aboveground Storage Tanks

According to record searches and interviews, no aboveground storage tanks (ASTs) were noted or suspected within the subject property other than the ASTs that UGTA used temporarily and removed.

7.5.2 Underground Storage Tanks

According to interviews and document searches, no evidence of USTs was noted or suspected within the subject property.

7.5.3 Pipelines, Hydrant Fueling, and Transfer Systems

According to interviews and document searches, no evidence of pipelines, hydrant fueling, or transfer systems was noted or suspected within the subject property other than UGTA refueling activities.

7.6 Oil Water Separators

According to record searches and interviews, no evidence of oil water separators was noted or suspected within the subject property.

7.7 Pesticides

According to record searches and interviews, no use, storage, or disposal of pesticides was noted or suspected within the subject property.

7.8 Medical Biohazardous Waste

According to record searches and interviews, there was no historical or current evidence suggesting medical biohazardous waste within the subject property.

7.9 Ordnance

No visual evidence of ordnance usage or disposal on the subject property was found during document searches or during the site reconnaissance of the proposed ER-EC-11 well site. According to Mr. Roger T. Schofield, ordnance was not known to be used on the subject property or in the area immediately adjacent to the subject property (see [Appendix E](#)). Mr. Schofield noted that the closest known current use of ordnance was the use of inert ordnance at the “Wild Weasel” threat pads several miles to the west of the subject property. Therefore, use of live ordnance was not known or suspected to have occurred on the subject property, although it may be present at any time due to USAF activities in the area and will be investigated during UGTA activities.

7.10 Radioactive Wastes

According to interviews, document searches, and visual observations, there was no historical or current evidence suggesting storage or disposal of radioactive waste within the subject property. Radioactive wastes have been and continue to be generated and managed at the NTS, adjacent to the subject property. In addition, radioactive wastes are routinely disposed at the NTS Area 3 Radioactive Waste Management Complex and the NTS Area 5 Radioactive Waste Management Complex. Radioactive waste was received and disposed at the U.S. Ecology RCRA-permitted TSD on U.S. Highway 95, southeast of Beatty, Nevada, which is approximately the same distance from the subject property as the aforementioned NTS sites. However, because all three of these facilities are outside the 1-mi search radius from the subject property ([Figure 1-1](#)), none poses an environmental concern to the subject property.

7.11 Solid Waste

According to interviews, document searches, and visual observations, no evidence of solid waste storage or disposal was observed within the subject property. Solid waste disposal sites, both active

and closed, on properties adjacent to the subject property as discussed in [Sections 3.1.1](#) and [3.1.2](#) were found to have no negative environmental impact on the subject property.

The UGTA well sites typically have two sumps associated with each well. These sumps receive drilling fluids and drill cuttings and are managed in accordance with the NDEP-approved Fluid Management Plan (FMP) (NNSA/NSO, 2009). After a well is closed, any remaining environmental media contained in the sump will be characterized and properly dispositioned, including closing in place. As of this date, no UGTA wells have been closed because they are still being used for characterization purposes. Other solid waste generated by UGTA activities is removed from the drill site and properly dispositioned in accordance with federal, state, and internal requirements.

7.12 Groundwater

No evidence of groundwater contamination was found during interviews and record searches of the subject property (see discussion under [Section 7.2](#)).

7.13 Wastewater Treatment, Collection and Discharge

According to record searches and interviews, no historical or current evidence suggests wastewater treatment, collection, or discharge occurred within the subject property other than discharge of drilling fluids at existing UGTA drill sites. The discharge of drilling fluids at the existing and proposed UGTA well sites is regulated by NDEP through its approval of the UGTA FMP (NNSA/NSO, 2009) and associated well-specific Fluid Management Strategy Letters. The FMP and Fluid Management Strategy Letters describe the approved methodologies that are to be implemented while handling and discharging drilling fluids to ensure there is no degradation of the groundwater.

The Management and Operating Contractor for NNSA/NSO collects sewage from portable toilets and properly treats/disposes it at a permitted facility on the NTS on a regular basis.

7.14 Disclosure Items

7.14.1 Drinking Water Quality

According to record searches and interviews, drinking water is not obtained from the subject property, nor has there been any evidence of public water wells found on the subject property.

7.14.2 Asbestos

According to record searches and interviews, no buildings or structures that could contain asbestos were observed or suspected within the subject property.

7.14.3 Polychlorinated Biphenyls

According to record searches and interviews, no buildings, structures, or equipment (e.g., electrical transformers) that could contain PCBs were observed or suspected within the subject property.

7.14.4 Radon

According to record searches, interviews, and a site reconnaissance, no buildings were present within the subject property. Therefore, radon accumulations are not noted or suspected to be a concern on the subject property.

7.14.5 Lead-Based Paint

According to record searches and interviews, no buildings or structures that could contain lead-based paint were observed or suspected within the subject property.

8.0 Findings for Adjacent Properties

8.1 Land Uses

See discussion under [Section 4.1](#).

8.2 Surveyed Properties

Properties adjacent to the subject property were not visually surveyed for hazardous materials/waste and petroleum products due to the following:

- The vast size of the NTS as well as the lack of access roads to the portion of the NTS property bordering the subject property render the bordering NTS property inaccessible for a physical reconnaissance.
- As discussed elsewhere in this EBS, the adjoining NTS is already acknowledged to be a RCRA hazardous waste generator and permitted TSD facility. In addition, the FFACO recognizes that the NTS property involves numerous CAUs and CASs attributed to known and suspect environmental contamination (FFACO, 1996; as amended February 2008). The only known significant environmental contamination concern from the adjoining NTS property is the potential for contaminated groundwater, which a physical surface reconnaissance would not address.

8.2.1 Location and Significant Nearby Features

Proposed Well ER-EC-11 will be located within the NTTR, approximately 716 m (2,350 ft) west of the northwestern NTS boundary, just below the southern topographical edge of Pahute Mesa ([Figure 7-1](#)). The proposed drilling site is approximately 2 mi southwest of surface ground zero of the TYBO underground nuclear test conducted in U-20y, which is the closest underground nuclear test to proposed Well ER-EC-11. The proposed well is located within the southwestern corner of the Area 20 caldera, one of the two buried, partially nested calderas comprising the Silent Canyon caldera complex. It is located on the northern section of the Bench between the Area 20 caldera structural margin (A20SM) and the NTMMSZ.

The proposed Well ER-EC-11 site is approximately 991 m (3,250 ft) north of Well ER-EC-6 and 3,261 m (10,700 ft) southeast Well ER-EC-1. Both holes were drilled as part of the UGTA PM-OV Phase I drilling program in 1999 (IT, 1998). Proposed Well ER-20-7 will be the first hole drilled as

part of the Pahute Mesa Phase II drilling program and is approximately 2,210 m (7,250 ft) northeast of proposed Well ER-EC-11. Proposed Well ER-20-8, the third well to be drilled in the Pahute Mesa Phase II drilling program, was sited approximately 1,920 m (6,300 ft) southeast of Well ER-EC-11. Well ER-EC-15 is another nearby proposed well, sited about 2,591 m (8,500 ft) southwest of Well ER-EC-11. Another proposed well, Well ER-EC-12, was sited approximately 2,743 m (9,000 ft) south of Well ER-EC-11. See [Figure 1-2](#) for well locations.

Surface drainage in the vicinity of proposed Well ER-EC-11 is toward the south into Rocket Wash. The well site is in a north-trending wash at an elevation of 1,724.3 m (5,657 ft) ([Figure 1-2](#)). Additional information about proposed Well ER-EC-11 is provided in [Table 8-1](#).

**Table 8-1
Site Summary for Proposed Well ER-EC-11**

Site Coordinates	Nevada State Plane (Central Zone)(NAD 27): N 890,930.52 ft E 550,068.59 ft UTM (Zone 11)(NAD 27): N 4,116,703.30 m E 544,839.14 m UTM (Zone 11)(NAD 83): N 4,116,900.44 m E 544,758.89 m
Surface Elevation	1,724.3 m (5,657 ft)
Design Depth	1,066.8 m (3,500 ft)
Predicted Depth to Water	450 m (1,477 ft)
Predicted Static Water Level Elevation	1,274 m (4,180 ft)
Surface Geology	Nonwelded to partially welded ash-flow tuff (Ammonia Tanks Tuff)

Source: NSTec, 2008

NAD = North American Datum
UTM = Universal Transverse Mercator

8.2.2 Underground Nuclear Tests in the Vicinity of Proposed Well ER-EC-11

The closest underground nuclear tests to proposed Well ER-EC-11 are TYBO (U-20y), BELMONT (U-20as), MOLBO (U-20ag), and BENHAM (U-20c) ([Figure 7-2](#)). The TYBO, MOLBO, and BENHAM tests were conducted below the regional water table. The BELMONT test was conducted just above the regional water table, although its cavity is calculated to extend below the

water table (DOE/NV, 1999). The proposed Well ER-EC-11 site is approximately 3,170 m (10,400 ft) southwest of the TYBO location, the closest underground nuclear test. Figure 7-2 shows the location of the nearby tests in relation to proposed Well ER-EC-11. As shown in Figure 7-3, groundwater appears to flow in a southerly direction. Table 8-2 provides additional information regarding these nearby tests.

**Table 8-2
Selected Testing Information Relevant to Proposed Well ER-EC-11**

Emplacement Hole Name	Test Name ^a	Test Date ^a	Surface Elevation ^b m (ft)	Depth of Burial ^b m (ft)	Estimated Depth to Regional Water Level ^b m (ft)
U-20y	TYBO	05/14/1975	1,907 (6,257)	765 (2,510)	630 (2,067)
U-20as	BELMONT	10/16/1986	1,898 (6,227)	605 (1,985)	614 (2,014)
U-20ag	MOLBO	02/12/1982	1,900 (6,234)	638 (2,093)	619 (2,031)
U-20c	BENHAM	12/19/1968	1,915 (6,281)	1,402 (4,600)	639 (2,096)

Source: NSTec, 2008

^a DOE/NV, 2000

^b DOE/NV, 1999

9.0 *Applicable Regulatory Compliance Issues*

9.1 *List of Compliance Issues*

According to interviews and record searches, no information pertaining to non-compliance issues associated with the subject property were found

9.2 *Description of Corrective Actions*

According to interviews and record searches, no environmental compliance deficiencies exist on the subject property; therefore, no corrective actions will be required.

9.3 *Estimates of Various Alternatives*

No other alternative was considered under the Phase I EBS.

10.0 Conclusions

10.1 Facility Matrix

No new facilities would be involved with the proposed lease of the subject property.

10.2 Property Categories Map

Because the entire subject property is classified as a Category I property, no Property Categories Map is attached.

10.3 Resources Map

Because no critical resources are located on the subject property, no resource maps are attached.

10.4 Data Gaps

Data gaps include:

- *Historical aerial photos* – Historic aerial photos were not reasonably available. A portion of the subject property was covered by 1998 aerial photography (Figures B.1-1 and B.1-2).
- *Historical quadrangle maps* – The only historical topographic quadrangle map reasonably available, and found to be of significant value to this survey, was the NTTR, EC-South Range map (Figure 3-1) provided by Nellis AFB staff.
- *Specific and final well locations of proposed UGTA wells on the NTTR other than the proposed ER-EC-11 well site* – The final well locations depend on the results of well data from wells that have not yet been drilled, completed, developed, and sampled. Once the data have been analyzed, then the locations of additional wells can be determined.
- *Archeological and cultural resource inventories, and biological resource surveys other than for the proposed ER-EC-11 well site* – These resource inventories cannot be performed until the well site location is first determined.
- *Site reconnaissance of other proposed drilling locations other than for the proposed ER-EC-11 well site* – The site reconnaissance of the proposed well sites cannot be performed until the well site location is first determined.

11.0 Recommendations

Based on interviews, document searches, environmental database reviews, and a site reconnaissance, SNJV recommends that the subject property be considered a Category I property and that no further environmental studies be conducted for the subject property other than to allow the NNSA/NSO ERP to continue drilling, developing, sampling, and collecting data (at proposed drilling locations) associated with the underground test areas to determine the potential, velocities, and directions for groundwater contamination migration. A Category I property means that no storage, release, or disposal has occurred; and where no hazardous substances or petroleum products or their derivatives were stored, released into the environment or structures, or disposed on the subject property and where no migration from adjacent areas has occurred.

A site reconnaissance was conducted only on the proposed ER-EC-11 well site. As NNSA/NSO determines the exact locations for additional drilling sites, additional site reconnaissance activities will be necessary for each proposed location. This will include environmental, biological, and cultural resources surveys.

12.0 Certifications

12.1 Certification of the Environmental Baseline Survey

Stoller-Navarro Joint Venture (SNJV), for the U.S. Department of Energy, National Nuclear Security Administration Nevada Site Office (NNSA/NSO), has conducted this Environmental Baseline Survey on behalf of the U.S. Air Force. Stoller-Navarro Joint Venture has reviewed all appropriate records reasonably available and conducted visual site inspections of the proposed ER-EC-11 well site following an analysis of information reviewed during the record search. The information contained within the survey report is based on records made available and, to the best of SNJV's knowledge, is correct and current as of May 21, 2009.

Certified by:



John Fowler, RPG, CEM
Environmental Compliance Manager
Stoller-Navarro Joint Venture

05/21/09

Date

Approved by:


Kenneth Keskel
Colonel, USAF
Vice Commander, 99th Air Base Wing

Date

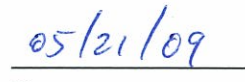
12.2 Certification of PCB Clearance

A records search and an on-site inspection indicate that the proposed ER-EC-11 well site has not been exposed to PCB materials or equipment as specified by 40 *Code of Federal Regulations* Part 761 (CFR, 2008b).

Certified by:



John Fowler, RPG, CEM
Environmental Compliance Manager
Stoller-Navarro Joint Venture



Date

Approved by:

Kenneth Keskel
Colonel, USAF
Vice Commander, 99th Air Base Wing

Date

12.3 Certification of No Contamination

This real property contains no known hazardous substances as that term is defined in CERCLA (42 USC 9601 [USC, 2006]); or other contamination as specified by RCRA (40 CFR Parts 260 to 282 [CFR, 2008a]), the implementing EPA regulations (40 CFR Parts 261 to 263 and 761 [CFR, 2008a and b]), and the *Federal Property Management Regulations* (41 CFR Part 101-47 [CFR, 2008c]). A completed search of agency files revealed that no hazardous substance has been stored for more than one year, known to have been released, or disposed of on the USAF-controlled real property described below.

Certified by: John M. Fowler 05/21/09
John Fowler, RPG, CEM Date
Environmental Compliance Manager
Stoller-Navarro Joint Venture

Approved by: _____
Kenneth Keskel Date
Colonel, USAF
Vice Commander, 99th Air Base Wing

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Appendix A
Source Databases

(90 Pages)



<http://www.epa.gov/cgi-bin/epaprintonly.cgi>
 Last updated on Friday, May 8th, 2009.

National Priorities List (NPL)

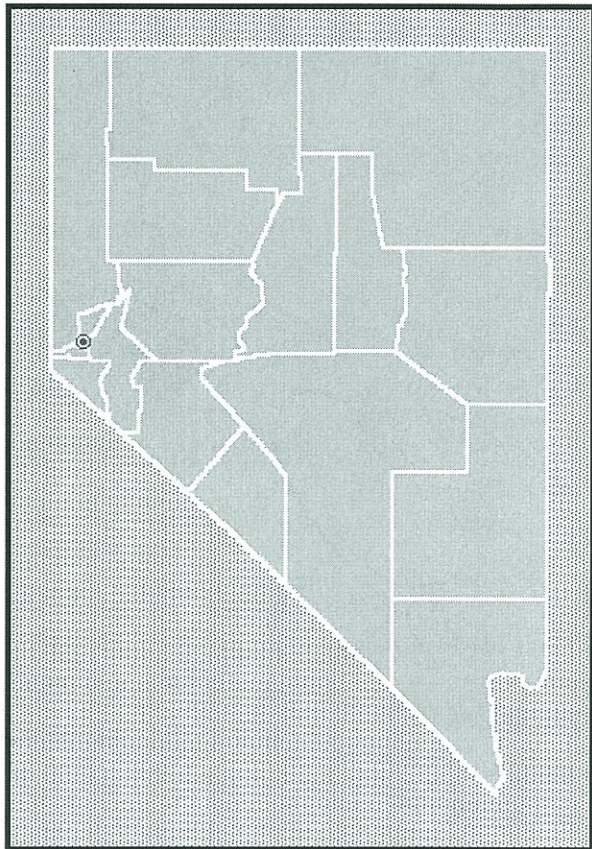
You are here: [EPA Home](#) [Superfund Sites](#) [National Priorities List \(NPL\)](#) [Locate NPL Sites](#) [NPL Sites in the US](#) [NPL Sites in Nevada](#)

National Priorities List Sites in Nevada

Site-specific resources available from this page include Site Progress Profiles, site narratives, and Federal Register notices.

Access these resources ...

- by map, click on the site of interest.
- by [list](#), of all NPL sites in Nevada by county.



Map Key: ▲ Proposed: 0 ● Final: 1 □ Deleted: 0

NPL Sites in Nevada by County

To access the Site Progress Profile for each site, select the site name.
 For the NPL Site Narrative, select the CERCLIS ID.
 Federal Register notices can be accessed by selecting the date of each action listed.

LYON, CHURCHILL COUNTY

Site Name CERCLIS ID	Proposed Listing	Final Listing	Construction Completion	Partial Deletion	Deletion
Carson River Mercury Site					

NVD980813646

10/26/89 8/30/90

N/A

N/A

N/A

View the graphical version of this page at: <http://www.epa.gov/superfund/sites/npl/nv.htm>

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National Priorities List (NPL)

You are here: [EPA Home](#) [Superfund Sites](#) [National Priorities List \(NPL\)](#) [NPL Site Status Information](#) [Proposed National Priorities List \(NPL\) Sites - by Site Name](#)

Proposed National Priorities List (NPL) Sites - by Site Name

(67 Sites as of April 09, 2009)

[\[View Proposed NPL Sites Listed by State\]](#) | [\[View Proposed NPL Sites Listed by Proposed Date\]](#)

The following list is ordered alphabetically by Site Name. Click on the name of a site to view that site's listing narrative. Click on the date to view that site's *Federal Register Notice*.

Site Name	CERCLIS ID	Proposed Date
68TH STREET DUMP/INDUSTRIAL ENTERPRISES	MDD980918387	04/30/2003
AIR FORCE PLANT 85	OH1170090004	01/18/1994
ALABAMA PLATING CO INC	ALD004022448	08/24/2000
AMCAST INDUSTRIAL CORPORATION	WIN000510210	04/09/2009
ARMCO INCORPORATION-HAMILTON PLANT	OHD074705930	04/30/2003
ARNOLD ENGINEERING DEVELOPMENT CENTER (USAF)	TN8570024044	08/23/1994
ASARCO, INC. (GLOBE PLANT)	COD007063530	05/10/1993
B.F. GOODRICH	CAN000905945	09/03/2008
BAY CITY MIDDLEGROUNDS	MID981092935	02/13/1995
BLACKBIRD MINE	IDD980725832	05/10/1993
BROAD BROOK MILL	CT0002055887	12/01/2000
BURLINGTON NORTHERN LIVINGSTON SHOP COMPLEX	MTD986066025	08/23/1994
CAPITOL CITY PLUME	AL0001058056	05/11/2000
CHANUTE AIR FORCE BASE	IL1570024157	12/01/2000
CHEMFAX, INC.	MSD008154486	06/23/1993
CIRCLE SMELTING CORP.	ILD050231976	06/17/1996
CURTIS PAPERS, INC.	NJD057143984	09/03/2008
DIAMOND SHAMROCK CORP. (PAINESVILLE WORKS)	OHD980611909	05/10/1993
DOVER CHEMICAL CORP.	OHD004210563	05/10/1993

EAST TENTH STREET	PAD987323458	01/18/1994
EVERGREEN MANOR GROUND WATER CONTAMINATION	ILD984836734	07/28/1998
EWELL PROPERTY-DEVIL'S SWAMP	LAD981155872	03/08/2004
FALCON REFINERY	TXD086278058	09/05/2002
FLAT CREEK IMM	MT0012694970	04/09/2009
FOSTER WHEELER ENERGY CORP/CHURCH RD TCE	PAD003031788	04/09/2009
FOX RIVER NRDA/PCB RELEASES	WI0001954841	07/28/1998
GBF, INC., DUMP	CAD980498562	02/07/1992
GE - HOUSATONIC RIVER	MAD002084093	09/25/1997
GENERAL DYNAMICS LONGWOOD	FLR000091322	04/09/2009
GMH ELECTRONICS	NCN000410161	04/09/2009
GOWANUS CANAL	NYN000206222	04/09/2009
GULF STATE UTILITIES-NORTH RYAN STREET	LAD985169317	02/13/1995
HIGHWAY 71/72 REFINERY	LAD981054075	02/13/1995
HUDSON TECHNOLOGIES, INC.	NY0001392463	05/11/2000
KENNECOTT (NORTH ZONE)	UTD070926811	01/18/1994
LAKE CALUMET CLUSTER	ILD000716852	09/14/2005
LANE STREET GROUND WATER CONTAMINATION	INN000510229	04/09/2009
LITTLE SCIOTO RIVER	OHN000509950	04/09/2009
MOHAWK TANNERY	NHD981889629	05/11/2000
MOLYCORP, INC.	NMD002899094	05/11/2000
MURRAY SMELTER	UTD980951420	01/18/1994
NATIONAL ZINC CORP.	OKD000829440	05/10/1993
NORMANDY PARK APARTMENTS	FLD984229773	02/13/1995
ORE KNOB MINE	NCN000409895	04/09/2009
PAPELERA PUERTORRIQUENA, INC.	PRD090290685	04/09/2009
PECK IRON AND METAL	VAN000306115	04/09/2009
PETERS CARTRIDGE FACTORY	OHD987051083	04/30/2003
POTTER CO.	MSD056029648	05/10/1993
R & H OIL/TROPICANA	TXD057577579	06/14/2001
RARITAN BAY SLAG	NJN000206276	04/09/2009
RICHARDSON FLAT TAILINGS	UTD980952840	02/07/1992
RICKENBACKER AIR NATIONAL GUARD (USAF)	OH3571924544	01/18/1994
ROUTE 561 DUMP	NJ0000453514	07/28/1998

SALFORD QUARRY	PAD980693204	04/01/1997
SAUGET & COUNTY LANDFILL (SITE Q)	ILD000605790	09/13/2001
SAUGET AREA 1	ILD980792006	09/13/2001
SMELTERTOWN SITE	COD983769738	02/07/1992
SOUTH DAYTON DUMP & LANDFILL	OHD980611388	09/23/2004
SOUTHWEST JEFFERSON COUNTY MINING	MON000705443	04/09/2009
ST. MARIES CREOSOTE	IDSFN1002095	12/01/2000
STIBNITE/YELLOW PINE MINING AREA	IDD980665459	09/13/2001
STOKER COMPANY	CAD066635442	07/29/1991
TERRY CREEK DREDGE SPOIL AREAS/HERCULES OUTFALL	GAD982112658	04/01/1997
TRI-COUNTY PUBLIC AIRPORT	KS0001402320	07/27/2000
U.S. MAGNESIUM	UTN000802704	09/03/2008
WATERLOO COAL GASIFICATION PLANT	IAD984566356	10/14/1992
WURTSMITH AIR FORCE BASE	MI5570024278	01/18/1994

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at: <http://www.epa.gov/superfund/sites/query/queryhtm/nplprop1.htm>



U.S. ENVIRONMENTAL PROTECTION AGENCY
Superfund Information Systems

Recent Additions | Contact Us | Print Version Search: **GO**

EPA Home > Superfund > Sites > Superfund Information Systems > Search Superfund Site Information > Search Results

- Superfund Site Information
- Site Documents
- Data Element Dictionary (DED)
- Order Superfund Products

Superfund Site Information

Search Results

DISCLAIMER: Be advised that the data contained in these profiles are intended solely for informational purposes use by employees of the U.S. Environmental Protection Agency for management of the Superfund program. They are not intended for use in calculating Cost Recovery Statutes of Limitations and cannot be relied upon to create any rights, substantive or procedural, enforceable by any party in litigation with the United States. EPA reserves the right to change these data at any time without public notice.

Search Criteria:

Active vs. Archived: **Active** *What are active and archived sites?*
 County: **NYE**
 State(s): **Nevada**

Found **5** site(s) that match your search criteria listed above.
 To conduct another search, return to the [Search Superfund Site Information](#) page or request a [Customized SIS Report](#).

[Save results in Excel format](#)

Displaying sites 1 through 5

EPA ID ▼	Site Name ▼	City ▼	County ▼	State ▼	NPL Status ▼
NVN000905820	FRONTIER ROAD DRUM SITE	AMARGOSA VALLEY	NYE	NV	Not NPL
NV0001361351	GABBS BLM	NEAR GABBS	NYE	NV	Not NPL
NV1890090011	NEVADA TEST SITE	MERCURY	NYE	NV	Not NPL
NVD986766178	PAHRUMP DRUMS	PAHRUMP	NYE	NV	Not NPL
NVN000905819	WEISS ROAD DRUM SITE	AMARGOSA VALLEY	NYE	NV	Not NPL

Displaying sites 1 through 5

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[EPA Home](#) | [Privacy and Security Notice](#) | [Contact Us](#)

URL: <http://cfpub.epa.gov/supercpad/cursites/srchrslt.cfm>
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Search Criteria:

Active vs. Archived: **Archived** *What are active and archived sites?*
 County: **NYE**
 State(s): **Nevada**

Found **13** site(s) that match your search criteria listed above.

To conduct another search, return to the [Search Superfund Site Information](#) page or request a [Customized SIS Report](#).

[Save results in Excel format](#)

Displaying sites 1 through 13

EPA ID ▼	Site Name ▼	City ▼	County ▼	State ▼	NPL Status ▼
NVD980419386	A & B MINING & MILLING CO	ROUND MOUNTAIN	NYE	NV	Not NPL
NVD980695209	ALL MINERALS INC- BARITE MINE & MILL	NORTHUMBERLAND PASS	NYE	NV	Not NPL
NVD980419402	AMERICAN BORATE CO	AMARGOSA VALLEY	NYE	NV	Not NPL
NVD009137571	BASIC INC NV WORKS PIT	GABBS	NYE	NV	Not NPL
NVT000610832	BKK CORP BEATTY FACIL	BEATTY	NYE	NV	Not NPL
NVD980419436	BML MINING CO	MANHATTAN	NYE	NV	Not NPL
NVD986775252	GRANTSVILLE MINE	GABBS	NYE	NV	Not NPL
NVD081265696	MINEOP CORP JOHNSON MINE	TONOPAH	NYE	NV	Not NPL
NVD086126984	SMOKY VALLEY MINING CO	ROUND MOUNTAIN	NYE	NV	Not NPL
NV3570090016	TONOPAH TEST RANGE	TONOPAH	NYE	NV	Not NPL
NVD048946016	US ECOLOGY INC	BEATTY	NYE	NV	Not NPL

	BEATTY SITE				
NVT330010000	US ECOLOGY INC CHEM SITE	BEATTY	NYE	NV	Not NPL
NVD095882007	WILSON JESSE R PAYMASTER MINE	GABBS	NYE	NV	Not NPL

Displaying sites 1 through 13

[OSWER Home](#) | [Superfund Home](#)

[EPA Home](#) | [Privacy and Security Notice](#) | [Contact Us](#)

URL: <http://cfpub.epa.gov/supercpad/cursites/srchrslt.cfm>
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http://www.epa.gov/epawaste/hazard/tsd/pcbs/index.htm
Last updated on Tuesday, January 13th, 2009.

Polychlorinated Biphenyls (PCBs)

You are here: [EPA Home](#) [Wastes](#) [PCB Home](#)

EPA provides various paths for the public to access information about PCBs. On this web site you will learn about PCBs as they are managed under the Toxic Substances Control Act (TSCA) and the PCB regulations found at 40 CFR 761. This site focuses on the management, cleanup and disposal of PCB wastes and the management of PCB-containing materials and equipment still in use. If you have any questions about site specific PCB issues, see the [EPA Regional Contacts](#) page.

On this site you may:

- Learn about [PCBs](#) - Find information about the commercial use of PCBs, common PCB trade names (e.g., Aroclor), and PCB congeners. In addition, learn about the release and exposure, as well as the health effects of PCBs.
- Learn about the [laws and regulations](#) that govern PCBs - PCBs are regulated under TSCA. TSCA bans the manufacture, processing, use and distribution in commerce of PCBs. TSCA gives EPA the authority to develop, implement and enforce regulations concerning the use, manufacture, cleanup and disposal of PCBs.
- Obtain [PCB guidance documents](#) - EPA has developed a number of guidance documents to assist the regulated community with managing, cleaning up and disposing of PCB wastes and PCB-contaminated materials.
- Locate companies that have received EPA approval to [handle PCB wastes](#):
 - [Storage and disposal](#) companies that have received EPA approvals to store and dispose of PCB wastes;
 - Companies that have received [alternative decontamination](#) approvals to decontaminate materials contaminated with PCBs; and
 - [Scrap metal recovery ovens](#) operating in compliance with 40 CFR 761.72(a).
- Access the [Transformer Registration and PCB Activity Databases](#) - Companies or people who have PCB transformers must register them with the EPA using [form 7720-12 \(PDF\)](#) (1 pg, 13K, [About PDF](#)) . Any company or person conducting business involving the disposal of PCBs or conducting research and development involving PCBs must notify the EPA using [form 7710-53 \(PDF\)](#) (1 pg, 15K, [About PDF](#)) and receive an ID number. EPA compiles this information into two databases and makes them available to the public.

PCB Highlights

- EPA held an informal public hearing on the proposed rule granting Veolia ES Technical Solutions, L.L.C. an exemption to import PCBs for safe disposal. The Agency is currently accepting comments and questions regarding hearing presentations until July 18, 2008. Read more about the exemption.
- PCBs in Caulk. Some buildings have PCB-containing caulk. Read about how to minimize exposure to this material.
- Effective October 1, 2007, management of the TSCA PCB cleanup and disposal program shifted to EPA's Office of Solid Waste and Emergency Response (OSWER). Read more information about the transfer.
- EPA issued a final rule granting the Defense Logistics Agency's petition to import PCBs and PCB items currently in temporary storage at U.S. military installations in Japan for disposal in the United States. The rule provides that no more than 1.3 million pounds of PCBs may be imported for disposal.

This site does not address the management of PCBs under other environmental statutes such as the Resource Conservation and Recovery Act (RCRA). In addition, this site does not address worker health and safety or work-place exposure which are regulated by the [Occupational Safety and Health Administration \(OSHA\)](#) [EXIT Disclaimer](#) . This site provides links to other EPA and Federal Web pages containing [information about PCBs](#) and other waste programs.



Polychlorinated Biphenyls (PCBs)

You are here: [EPA Home](#) [Wastes](#) [Polychlorinated Biphenyls \(PCBs\)](#) [Databases and Forms](#)

Databases and Forms

PCB Transformer Registration Form (EPA form 7720-12) - This form cannot be filled out online or submitted online. Please print the form, fill out the entire form and return it to the Fibers and Organics Branch.

You will need Adobe Reader to view some of the files on this page. See [EPA's PDF page](#) to learn more.

- [Transformer Registration Form - Instructions \(PDF\)](#) (1 pg, 10K)
- [Form 7720-12 \(PDF\)](#) (1 pg, 13K)

PCB Transformer Registration Database (January 2008) - EPA is providing the updated Transformer Registration Database in a new format. The database is now available in three files: Regional PCB Transformer Summations by Quarter, All Transformer Registrations and Most Recent Registrations. All files are in a spreadsheet format and should be viewable in most spreadsheet applications such as Microsoft Excel. EPA is also providing a file explaining what each of these files is designed to do. To view PCB Transformer Registration information, click on the file and save it to a disk or hard drive and open it using your spreadsheet software. The data entered in this database have been entered as received and have not undergone a QA/QC review.

- [Regional PCB Transformer Summations by Quarter \(Excel\)](#)
- [Most Recent Registrations \(Excel\)](#)
- [All Transformer Registrations \(Excel\)](#)
- [Transformer Registration Database Documentation \(PDF\)](#) (3 pp, 63K)

Please refer to your appropriate software technicians or information management department for importing, converting or downloading this information.

Notification of PCB Activity Form (EPA form 7710-53) - This form cannot be filled out online or submitted online. Please print the form, fill out the entire form and return it to the Office of Solid Waste (OSW).

- [Instructions \(PDF\)](#) (1 pg, 23K) - updated 3/21/08
- [Form 7710-53 \(PDF\)](#) (1 pg, 22K) - updated 3/21/08

Notification of PCB Activity Quarterly Reports*: These are PDF reports of all facilities that have notified EPA of PCB activity. To find specific records, use the search function. Updated February, 2009.

- [National \(PDF\)**](#) (2,664 pp, 4.4MB) - Comprehensive report of notifications from all 10 regions.
- [Region 1 \(PDF\)](#) (138 pp, 235K) - Connecticut, Massachusetts, Maine, New Hampshire, Rhode Island, Vermont
- [Region 2 \(PDF\)](#) (192 pp, 327K) - New Jersey, New York, Puerto Rico, US Virgin Islands
- [Region 3 \(PDF\)](#) (201 pp, 343K) - Delaware, District of Columbia, Maryland, Pennsylvania, Virginia, West Virginia
- [Region 4 \(PDF\)](#) (354 pp, 594K) - Alabama, Florida, Georgia, Kentucky, Mississippi,

- North Carolina, South Carolina, Tennessee
- [Region 5 \(PDF\)](#) (597 pp, 996K) - Illinois, Indiana, Michigan, Minnesota, Ohio, Wisconsin
 - [Region 6 \(PDF\)](#) (270 pp, 454K) - Arkansas, Louisiana, New Mexico, Oklahoma, Texas
 - [Region 7 \(PDF\)](#) (299 pp, 497K) - Iowa, Kansas, Missouri, Nebraska
 - [Region 8 \(PDF\)](#) (132 pp, 220K) - Colorado, Montana, North Dakota, South Dakota, Utah, Wyoming
 - [Region 9 \(PDF\)](#) (176 pp, 304K) - Arizona, California, Hawaii, Nevada, American Samoa, Guam
 - [Region 10 \(PDF\)](#) (317 pp, 537K) - Alaska, Idaho, Oregon, Washington

* *These reports replace the previously used PADs database. All information from the PADs database was transferred into these reports.*

** [National \(.TXT\)](#) (1,584K) - Comprehensive data report of notifications from all 10 regions in .txt format.

PCB National Report

US Environmental Protection agency
Office of Solid Waste

Report Selection Criteria

Location: Region 09

Handler ID:

Handler Name:

PCB Activity: All Activities

Date Run: Tuesday February 24 2009 11:12 AM

No. of Facilities Returned: 523

PCB Waste Handlers Database

Tuesday February 24 2009 11:12 AM

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EPA ID: MQ6170027332		State: MIDWAY ISLAND		Region: 09								
Facility Mailing Address:												
Name: US NAF MIDWAY ISLAND												
Street: BASE SVCS INC PO BOX 150												
City: FPO SAN FRANCISCO		State: CA	Zip: 96614-1200									
Country: UNITED STATES												
Facility Location Address:												
Street: MIDWAY ISLAND												
City: MIDWAY ISLAND		State: MQ	Zip: 99999									
Country: UNITED STATES												
Date Signed: 04/26/1990		Name of Owner Facility:										
Installation Contact: STORER RONALD (000)430-0111		US NAVY										
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Type of PCB Activity</th> </tr> </thead> <tbody> <tr> <td>Generator:Y</td> </tr> <tr> <td>Storer:</td> </tr> <tr> <td>Transporter:</td> </tr> <tr> <td>Disposer:</td> </tr> <tr> <td>Research:</td> </tr> <tr> <td>Smelter:</td> </tr> </tbody> </table>						Type of PCB Activity	Generator:Y	Storer:	Transporter:	Disposer:	Research:	Smelter:
Type of PCB Activity												
Generator:Y												
Storer:												
Transporter:												
Disposer:												
Research:												
Smelter:												
EPA ID: NV0000060384		State: NEVADA		Region: 09								
Facility Mailing Address:												
Name: KCBN												
Street: P.O. BOX 10630												
City: RENO		State: NV	Zip: 89510									
Country: UNITED STATES												
Facility Location Address:												
Street: 8301 CLEAN WATER WAY												
City: RENO		State: NV	Zip: 89502-9701									
Country: UNITED STATES												
Date Signed: 11/02/1993		Name of Owner Facility:										
Installation Contact: LENCIONE, JIM (702)328-2130		A & A BROADCASTING, L.W. ARMS										
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Type of PCB Activity</th> </tr> </thead> <tbody> <tr> <td>Generator:Y</td> </tr> <tr> <td>Storer:</td> </tr> <tr> <td>Transporter:</td> </tr> <tr> <td>Disposer:</td> </tr> <tr> <td>Research:</td> </tr> <tr> <td>Smelter:</td> </tr> </tbody> </table>						Type of PCB Activity	Generator:Y	Storer:	Transporter:	Disposer:	Research:	Smelter:
Type of PCB Activity												
Generator:Y												
Storer:												
Transporter:												
Disposer:												
Research:												
Smelter:												
EPA ID: NV0000099127		State: NEVADA		Region: 09								
Facility Mailing Address:												
Name: FLORIDA CANYON COMM. SITE												
Street: 25 WEST 4TH STREET, HUMB.CO. TV DIS												
City: WINNEMUCCA		State: NV	Zip: 89445									
Country: UNITED STATES												
Facility Location Address:												
Street: FLORIDA CANYON, 9 MI SW OF IMLAY												
City: IMLAY		State: NV	Zip: 89418									
Country: UNITED STATES												
Date Signed: 02/08/1994		Name of Owner Facility:										
Installation Contact: BURKHOLDER, PAUL (702)623-6349		HUMBOLT COUNTY										
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Type of PCB Activity</th> </tr> </thead> <tbody> <tr> <td>Generator:Y</td> </tr> <tr> <td>Storer:</td> </tr> <tr> <td>Transporter:</td> </tr> <tr> <td>Disposer:</td> </tr> <tr> <td>Research:</td> </tr> <tr> <td>Smelter:</td> </tr> </tbody> </table>						Type of PCB Activity	Generator:Y	Storer:	Transporter:	Disposer:	Research:	Smelter:
Type of PCB Activity												
Generator:Y												
Storer:												
Transporter:												
Disposer:												
Research:												
Smelter:												

PCB Waste Handlers Database

Tuesday February 24 2009 11:12 AM

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EPA ID: NV0001308543	State: NEVADA	Region: 09
Facility Mailing Address:		
Name: DIABLO TRANSPORTATION		
Street: P.O. BOX 728		
City: FERNLEY	State: NV	Zip: 89408
Country: UNITED STATES		
Facility Location Address:		
Street: 4120 US ALT HWY 50		
City: FERNLEY	State: NV	Zip: 89408
Country: UNITED STATES		
Date Signed: 11/22/1995	Name of Owner Facility:	
Installation Contact:	DAN FERRE	
BROWN, ROBERT E.		
(800)826-2953		
Type of PCB Activity		
Generator:		
Storer:		
Transporter:Y		
Disposer:		
Research:		
Smelter:		
EPA ID: NV0001331636	State: NEVADA	Region: 09
Facility Mailing Address:		
Name: EAGLE ENVIRONMENTAL TECH., LTD		
Street: 50 WEST LIBERTY, SUITE 880		
City: RENO	State: NV	Zip: 89501
Country: UNITED STATES		
Facility Location Address:		
Street: MOBILE, 50 WEST LIBERTY, SUITE 880		
City: RENO	State: NV	Zip: 89501
Country: UNITED STATES		
Date Signed: 12/01/1995	Name of Owner Facility:	
Installation Contact:	EAGLE ENVIRONMENTAL TECH., LTD	
WILMOT, GERALD A.		
(702)348-7448		
Type of PCB Activity		
Generator:		
Storer:		
Transporter:		
Disposer:Y		
Research:		
Smelter:		
EPA ID: NV0001897388	State: NEVADA	Region: 09
Facility Mailing Address:		
Name: OVERTON POWER DISTRICT #5		
Street: P.O. BOX 395		
City: OVERTON	State: NV	Zip: 89040
Country: UNITED STATES		
Facility Location Address:		
Street: 731 TURTLEBACK ROAD		
City: MESQUITE	State: NV	Zip: 89024
Country: UNITED STATES		
Date Signed: 03/05/1997	Name of Owner Facility:	
Installation Contact:	PUBLIC UTILITY	
JONES, RICHARD		
(702)397-2512		
Type of PCB Activity		
Generator:Y		
Storer:		
Transporter:		
Disposer:		
Research:		
Smelter:		

PCB Waste Handlers Database

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<p>EPA ID: NV1210090006 State: NEVADA</p> <p>Facility Mailing Address: Name: HAWTHORNE ARMY AMMUNITION PLT Street: ATTN: SMCHW - OR City: HAWTHORNE State: NV Zip: 89415-5000 Country: UNITED STATES</p> <p>Facility Location Address: Street: US RTE 95 N City: HAWTHORNE State: NV Zip: 89415-5000 Country: UNITED STATES</p> <p>Date Signed: 04/04/1990 Installation Contact: MIGDALSKI THOMAS (702)945-7322</p>	<p>Region: 09</p> <p>Name of Owner Facility: US ARMY</p>	<table border="1"> <thead> <tr> <th>Type of PCB Activity</th> </tr> </thead> <tbody> <tr><td>Generator:Y</td></tr> <tr><td>Storer:</td></tr> <tr><td>Transporter:</td></tr> <tr><td>Disposer:</td></tr> <tr><td>Research:</td></tr> <tr><td>Smelter:</td></tr> </tbody> </table>	Type of PCB Activity	Generator:Y	Storer:	Transporter:	Disposer:	Research:	Smelter:
Type of PCB Activity									
Generator:Y									
Storer:									
Transporter:									
Disposer:									
Research:									
Smelter:									
<p>EPA ID: NV3570090016 State: NEVADA</p> <p>Facility Mailing Address: Name: US DOE TONOPAH TEST RANGE Street: PO BOX 98518 City: LAS VEGAS State: NV Zip: 89193-8518 Country: UNITED STATES</p> <p>Facility Location Address: Street: TONOPAH TEST RANGE City: TONOPAH State: NV Zip: 89049 Country: UNITED STATES</p> <p>Date Signed: 03/02/1990 Installation Contact: BINGHAM FRANK E (702)295-1146</p>	<p>Region: 09</p> <p>Name of Owner Facility: US DEPT OF ENERGY</p>	<table border="1"> <thead> <tr> <th>Type of PCB Activity</th> </tr> </thead> <tbody> <tr><td>Generator:Y</td></tr> <tr><td>Storer:</td></tr> <tr><td>Transporter:</td></tr> <tr><td>Disposer:</td></tr> <tr><td>Research:</td></tr> <tr><td>Smelter:</td></tr> </tbody> </table>	Type of PCB Activity	Generator:Y	Storer:	Transporter:	Disposer:	Research:	Smelter:
Type of PCB Activity									
Generator:Y									
Storer:									
Transporter:									
Disposer:									
Research:									
Smelter:									
<p>EPA ID: NV3890090001 State: NEVADA</p> <p>Facility Mailing Address: Name: US DOE NEVADA TEST SITE Street: PO BOX 98518 City: LAS VEGAS State: NV Zip: 89193-8518 Country: UNITED STATES</p> <p>Facility Location Address: Street: NEVADA TEST SITE City: MERCURY State: NV Zip: 89023 Country: UNITED STATES</p> <p>Date Signed: 03/02/1990 Installation Contact: BINGHAM FRANK E (702)295-1146</p>	<p>Region: 09</p> <p>Name of Owner Facility: DEPARTMENT OF ENERGY</p>	<table border="1"> <thead> <tr> <th>Type of PCB Activity</th> </tr> </thead> <tbody> <tr><td>Generator:Y</td></tr> <tr><td>Storer:</td></tr> <tr><td>Transporter:</td></tr> <tr><td>Disposer:</td></tr> <tr><td>Research:</td></tr> <tr><td>Smelter:</td></tr> </tbody> </table>	Type of PCB Activity	Generator:Y	Storer:	Transporter:	Disposer:	Research:	Smelter:
Type of PCB Activity									
Generator:Y									
Storer:									
Transporter:									
Disposer:									
Research:									
Smelter:									

PCB Waste Handlers Database

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EPA ID: NV7570024110	State: NEVADA	Region: 09
Facility Mailing Address:		
Name: DRMO NELLIS		
Street: 554 CESS/DESPV		
City: NELLIS AFB	State: NV	Zip: 89191-5000
Country: UNITED STATES		
Facility Location Address:		
Street: BLDG 1045		
City: NELLIS AFB	State: NV	Zip: 89191-5000
Country: UNITED STATES		
Date Signed: 04/10/1990	Name of Owner Facility:	
Installation Contact: HOOPER EVERETT (702)652-8425	NELLIS AFB	
Type of PCB Activity		
Generator:Y		
Storer:		
Transporter:		
Disposer:		
Research:		
Smelter:		

EPA ID: NV9170022173	State: NEVADA	Region: 09
Facility Mailing Address:		
Name: NAVAL AIR STN FALLON		
Street: COMMANDING OFFICER CODE 186		
City: FALLON	State: NV	Zip: 89406-5000
Country: UNITED STATES		
Facility Location Address:		
Street: NAVAL AIR STN		
City: FALLON	State: NV	Zip: 89406-5000
Country: UNITED STATES		
Date Signed: 06/16/1990	Name of Owner Facility:	
Installation Contact: ROBERTSON GARY L (702)426-2784	US NAVY	
Type of PCB Activity		
Generator:Y		
Storer:		
Transporter:		
Disposer:		
Research:		
Smelter:		

EPA ID: NVD000000001	State: NEVADA	Region: 09
Facility Mailing Address:		
Name: ENVIRONMENTAL TECH OF NAVADA		
Street: 770 E SAHARA AVE		
City: LAS VEGAS	State: NV	Zip: 89104
Country: UNITED STATES		
Facility Location Address:		
Street: 3060 N COMMERCE RD		
City: NORTH LAS VEGAS	State: NV	Zip: 89030
Country: UNITED STATES		
Date Signed: 08/13/1997	Name of Owner Facility:	
Installation Contact: GARDNER, TOM (702)734-5400	REPUBLIC ENVIRONMENTAL TECH	
Type of PCB Activity		
Generator:		
Storer:		
Transporter:Y		
Disposer:		
Research:		
Smelter:		

PCB Waste Handlers Database

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EPA ID: NVD008290330	State: NEVADA	Region: 09
Facility Mailing Address:		
Name: KERR MCGEE CHEM CORP		
Street: PO BOX 55		
City: HENDERSON	State: NV	Zip: 89015
Country: UNITED STATES		
Facility Location Address:		
Street: 8000 LAKE MEAD DR		
City: HENDERSON	State: NV	Zip: 89015
Country: UNITED STATES		
Date Signed: 03/12/1990	Name of Owner Facility:	
Installation Contact: CORBETT PATRICK S (702)565-8901	KERR MCGEE CHEM CORP	
Type of PCB Activity		
Generator:Y		
Storer:		
Transporter:		
Disposer:		
Research:		
Smelter:		
EPA ID: NVD009699380	State: NEVADA	Region: 09
Facility Mailing Address:		
Name: FREHNER TRUCKING SVC INC		
Street: 124 W BROOKS AVE		
City: N LAS VEGAS	State: NV	Zip: 89030
Country: UNITED STATES		
Facility Location Address:		
Street: 124 W BROOKS AVE		
City: N LAS VEGAS	State: NV	Zip: 89030
Country: UNITED STATES		
Date Signed: 08/08/1990	Name of Owner Facility:	
Installation Contact: TOLAS JOHN A (702)649-2397	FREHNER TRUCKING SVC INC	
Type of PCB Activity		
Generator:		
Storer:		
Transporter:Y		
Disposer:		
Research:		
Smelter:		
EPA ID: NVD062081500	State: NEVADA	Region: 09
Facility Mailing Address:		
Name: PIONEER CHLOR ALKALI CO INC		
Street: PO BOX 86		
City: HENDERSON	State: NV	Zip: 89015
Country: UNITED STATES		
Facility Location Address:		
Street: 8000 LAKE MEAD DR		
City: HENDERSON	State: NV	Zip: 89015
Country: UNITED STATES		
Date Signed: 05/24/1990	Name of Owner Facility:	
Installation Contact: SCHOEN STEPHEN M (702)565-8781	PIONEER CHLOR ALKALI CO INC	
Type of PCB Activity		
Generator:Y		
Storer:		
Transporter:		
Disposer:		
Research:		
Smelter:		

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EPA ID: NVD074116500	State: NEVADA	Region: 09
Facility Mailing Address:		
Name: USEPA ENVIRON MONITOR SYS LAB		
Street: PO BOX 93478		
City: LAS VEGAS	State: NV	Zip: 89193-3478
Country: UNITED STATES		
Facility Location Address:		
Street: 944 E HARMON AVE		
City: LAS VEGAS	State: NV	Zip: 89119
Country: UNITED STATES		
Date Signed: 06/28/1990	Name of Owner Facility:	
Installation Contact:	USEPA	
GALLOWAY WALTER B		
(702)798-2620		
Type of PCB Activity		
Generator:Y		
Storer:		
Transporter:		
Disposer:		
Research:		
Smelter:		
EPA ID: NVD077949238	State: NEVADA	Region: 09
Facility Mailing Address:		
Name: EUCALYPTUS MAINT YD CLARK CNTY		
Street: 4260 EUCALYPTUS ANNEX		
City: LAS VEGAS	State: NV	Zip: 89121
Country: UNITED STATES		
Facility Location Address:		
Street: 4260 EUCALYPTUS ANNEX		
City: LAS VEGAS	State: NV	Zip: 89121
Country: UNITED STATES		
Date Signed: 07/02/1990	Name of Owner Facility:	
Installation Contact:	CLARK CNTY SCHOOL DIST	
KAWAMURA TERESA		
(702)799-5400		
Type of PCB Activity		
Generator:Y		
Storer:		
Transporter:		
Disposer:		
Research:		
Smelter:		
EPA ID: NVD980419931	State: NEVADA	Region: 09
Facility Mailing Address:		
Name: SPRINGER TUNGSTEN MINE		
Street: P.O. BOX 325		
City: IMLAY	State: NV	Zip: 89418
Country: UNITED STATES		
Facility Location Address:		
Street: 9 MI N OF MILL CITY & 30 MI W OF		
City: WINNEMUCCA	State: NV	Zip: 89445
Country: UNITED STATES		
Date Signed: 12/20/1994	Name of Owner Facility:	
Installation Contact:	GENERAL ELECTRIC COMPANY	
CRAWFORD, JOHN		
(702)538-7384		
Type of PCB Activity		
Generator:Y		
Storer:		
Transporter:		
Disposer:		
Research:		
Smelter:		

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EPA ID: NVD980637565	State: NEVADA	Region: 09
Facility Mailing Address:		
Name: NEVADA PWR CO POLE YD STOR		
Street: 6226 W SAHARA AVE PO BOX 230		
City: LAS VEGAS	State: NV	Zip: 89151
Country: UNITED STATES		
Facility Location Address:		
Street: SE COR SAHARA AVE & HIGHLAND DR		
City: LAS VEGAS	State: NV	Zip: 89102
Country: UNITED STATES		
Date Signed: 02/13/1990		
Installation Contact:	Name of Owner Facility:	
FABBI DONALD G (702)367-5161	NEVADA PWR CO	
Type of PCB Activity		
Generator:Y		
Storer:		
Transporter:		
Disposer:		
Research:		
Smelter:		
EPA ID: NVD980894588	State: NEVADA	Region: 09
Facility Mailing Address:		
Name: UNISON TRANSFORMER SVCS YERING		
Street: 108 BURCH DR		
City: YERINGTON	State: NV	Zip: 89447
Country: UNITED STATES		
Facility Location Address:		
Street: 108 BURCH DR		
City: YERINGTON	State: NV	Zip: 89447
Country: UNITED STATES		
Date Signed: 03/16/1990		
Installation Contact:	Name of Owner Facility:	
LECAVE PAUL E (702)463-5183	ARIMETCO INC	
Type of PCB Activity		
Generator:Y		
Storer:Y		
Transporter:		
Disposer:		
Research:		
Smelter:		
EPA ID: NVD980895338	State: NEVADA	Region: 09
Facility Mailing Address:		
Name: 21st Century Environmental Management, Inc.		
Street: 2003 W McDowell Rd		
City: Phoenix	State: AZ	Zip: 85009
Country: UNITED STATES		
Facility Location Address:		
Street: 2095 Newlands Dr E		
City: Fernley	State: NV	Zip: 89408
Country: UNITED STATES		
Date Signed: 07/06/2004		
Installation Contact:	Name of Owner Facility:	
Jami R. Davis (602)252-1186	Philip Services	
Type of PCB Activity		
Generator:		
Storer:		
Transporter:Y		
Disposer:		
Research:		
Smelter:		

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EPA ID: NVD982356859	State: NEVADA	Region: 09
Facility Mailing Address:		Type of PCB Activity
Name: DISPOSAL CONTROL SERVICE INC		Generator:
Street: 4810 W RENO, UNIT #C		Storer:
City: LAS VEGAS	State: NV	Transporter:Y
Country: UNITED STATES	Zip: 89118	Disposer:
Facility Location Address:		Research:
Street: 4810 W RENO, UNIT #C		Smelter:
City: LAS VEGAS	State: NV	
Country: UNITED STATES	Zip: 89118	
Date Signed: 09/08/1991	Name of Owner Facility:	
Installation Contact:	DISPOSAL CONTROL SERVICE INC	
STRAWN, STEPHEN A. (702)367-0936		
EPA ID: NVD982373342	State: NEVADA	Region: 09
Facility Mailing Address:		Type of PCB Activity
Name: SIERRA PACIFIC PWR CO		Generator:Y
Street: PO BOX 10100		Storer:
City: RENO	State: NV	Transporter:
Country: UNITED STATES	Zip: 89520-0026	Disposer:
Facility Location Address:		Research:
Street: 7 OHM PLACE		Smelter:
City: RENO	State: NV	
Country: UNITED STATES	Zip: 89502	
Date Signed: 02/28/1990	Name of Owner Facility:	
Installation Contact:	SIERRA PACIFIC PWR CO	
LUCETTI FRANK (702)689-4754		
EPA ID: NVD982434961	State: NEVADA	Region: 09
Facility Mailing Address:		Type of PCB Activity
Name: KOEPSSELL TRANSPORT. SATELLITE		Generator:Y
Street: 1700 GALLERIA, BUILDING C.		Storer:
City: HENDERSON	State: NV	Transporter:
Country: UNITED STATES	Zip: 89014	Disposer:
Facility Location Address:		Research:
Street: 1700 GALLERIA, BUILDING C.		Smelter:
City: HENDERSON	State: NV	
Country: UNITED STATES	Zip: 89014	
Date Signed: 06/30/1992	Name of Owner Facility:	
Installation Contact:	CLARK COUNTY SCHOOL DISTRICT	
MAIZE, TERRE (702)799-0990		

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EPA ID: NVD982441552	State: NEVADA	Region: 09							
Facility Mailing Address:									
Name: MASCO PROPERTIES									
Street: 5012 S. ARVILLE #10									
City: LAS VEGAS	State: NV	Zip: 89118							
Country: UNITED STATES									
Facility Location Address:									
Street: 5012 S. ARVILLE #10									
City: LAS VEGAS	State: NV	Zip: 89118							
Country: UNITED STATES									
Date Signed: 12/03/1991									
Installation Contact:	Name of Owner Facility:								
PRICE, LARRY	TERRA WEST REALTY								
(702)251-9620									
<table border="1"> <thead> <tr> <th>Type of PCB Activity</th> </tr> </thead> <tbody> <tr> <td>Generator:</td> </tr> <tr> <td>Storer:</td> </tr> <tr> <td>Transporter:Y</td> </tr> <tr> <td>Disposer:</td> </tr> <tr> <td>Research:</td> </tr> <tr> <td>Smelter:</td> </tr> </tbody> </table>			Type of PCB Activity	Generator:	Storer:	Transporter:Y	Disposer:	Research:	Smelter:
Type of PCB Activity									
Generator:									
Storer:									
Transporter:Y									
Disposer:									
Research:									
Smelter:									
EPA ID: NVD982461022	State: NEVADA	Region: 09							
Facility Mailing Address:									
Name: LOCKHEED ANALYTICAL LAB									
Street: 6585 S PARADISE RD									
City: LAS VEGAS	State: NV	Zip: 89119							
Country: UNITED STATES									
Facility Location Address:									
Street: 6585 S PARADISE RD									
City: LAS VEGAS	State: NV	Zip: 89119							
Country: UNITED STATES									
Date Signed: 01/24/1991									
Installation Contact:	Name of Owner Facility:								
ROBESON ROSS K	HOWARD HUGHES PROPERTIES								
(702)361-0220									
<table border="1"> <thead> <tr> <th>Type of PCB Activity</th> </tr> </thead> <tbody> <tr> <td>Generator:Y</td> </tr> <tr> <td>Storer:</td> </tr> <tr> <td>Transporter:</td> </tr> <tr> <td>Disposer:</td> </tr> <tr> <td>Research:</td> </tr> <tr> <td>Smelter:</td> </tr> </tbody> </table>			Type of PCB Activity	Generator:Y	Storer:	Transporter:	Disposer:	Research:	Smelter:
Type of PCB Activity									
Generator:Y									
Storer:									
Transporter:									
Disposer:									
Research:									
Smelter:									
EPA ID: NVD982463242	State: NEVADA	Region: 09							
Facility Mailing Address:									
Name: XEROX CORP RENO FAC									
Street: 800 PHILLIPS RD BLDG 304 135									
City: WEBSTER	State: NY	Zip: 14580							
Country: UNITED STATES									
Facility Location Address:									
Street: 525 CONEY ISLAND DR									
City: SPARKS	State: NV	Zip: 89513							
Country: UNITED STATES									
Date Signed: 05/07/1990									
Installation Contact:	Name of Owner Facility:								
WAHL ROBERT	XEROX CORP								
(716)422-6500									
<table border="1"> <thead> <tr> <th>Type of PCB Activity</th> </tr> </thead> <tbody> <tr> <td>Generator:Y</td> </tr> <tr> <td>Storer:</td> </tr> <tr> <td>Transporter:</td> </tr> <tr> <td>Disposer:</td> </tr> <tr> <td>Research:</td> </tr> <tr> <td>Smelter:</td> </tr> </tbody> </table>			Type of PCB Activity	Generator:Y	Storer:	Transporter:	Disposer:	Research:	Smelter:
Type of PCB Activity									
Generator:Y									
Storer:									
Transporter:									
Disposer:									
Research:									
Smelter:									

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EPA ID: NVD982522401	State: NEVADA	Region: 09
Facility Mailing Address:		
Name: ENVIRONMENTAL TECH OF NV INC		
Street: PO BOX 98508		
City: LAS VEGAS	State: NE	Zip: 89193-8508
Country: UNITED STATES		
Facility Location Address:		
Street: 315 CHEYENNE		
City: NORTH LAS VEGAS	State: NV	Zip: 89030
Country: UNITED STATES		
Date Signed: 04/06/1990	Name of Owner Facility:	
Installation Contact: ISOLA JOHN R (702)734-5400	ENVIRONMENTAL TECH OF NV INC	
Type of PCB Activity		
Generator:		
Storer:		
Transporter:Y		
Disposer:		
Research:		
Smelter:		

EPA ID: NVD986766012	State: NEVADA	Region: 09
Facility Mailing Address:		
Name: NEVADA PWR CO C L RYAN OPR CTR		
Street: 6226 W SAHARA AVE		
City: LAS VEGAS	State: NV	Zip: 89151
Country: UNITED STATES		
Facility Location Address:		
Street: 2215 LONE MOUNTAIN RD		
City: NORTH LAS VEGAS	State: NV	Zip: 89030
Country: UNITED STATES		
Date Signed: 02/13/1990	Name of Owner Facility:	
Installation Contact: FABBI DONALD G (702)367-5161	NEVADA PWR CO	
Type of PCB Activity		
Generator:Y		
Storer:		
Transporter:		
Disposer:		
Research:		
Smelter:		

EPA ID: NVD986766020	State: NEVADA	Region: 09
Facility Mailing Address:		
Name: EXCEL TRANS IN		
Street: 1350 EAST GREGG STREET, SUITE 3		
City: SPARKS	State: NV	Zip: 89431
Country: UNITED STATES		
Facility Location Address:		
Street: 1350 EAST GREGG STREET, SUITE 3		
City: SPARKS	State: NV	Zip: 89431
Country: UNITED STATES		
Date Signed: 03/12/1991	Name of Owner Facility:	
Installation Contact: CHAPIN, SALLY (702)358-5551	MARILYN ANN ERICKSON	
Type of PCB Activity		
Generator:		
Storer:		
Transporter:Y		
Disposer:		
Research:		
Smelter:		

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EPA ID: NVD986766038	State: NEVADA	Region: 09
Facility Mailing Address:		
Name: WELLS SERVICE CENTER		
Street: PO BOX 365		
City: WELLS	State: NV	Zip: 89835
Country: UNITED STATES		
Facility Location Address:		
Street: 450 HUMBOLDT STREET		
City: WELLS	State: NV	Zip: 89835
Country: UNITED STATES		
Date Signed: 03/19/1990	Name of Owner Facility:	
Installation Contact: ABBOTT LONNIE (702)752-3328	WELLS RURAL ELECTRIC CO	
Type of PCB Activity		
Generator:Y		
Storer:		
Transporter:		
Disposer:		
Research:		
Smelter:		

EPA ID: NVD986766111	State: NEVADA	Region: 09
Facility Mailing Address:		
Name: KVVU BROADCASTING		
Street: 25 TV5 DR		
City: HENDERSON	State: NV	Zip: 89014
Country: UNITED STATES		
Facility Location Address:		
Street: 12 BLACK MOUNTAIN RD		
City: HENDERSON	State: NV	Zip: 89015
Country: UNITED STATES		
Date Signed: 04/16/1990	Name of Owner Facility:	
Installation Contact: SMITH JACK C (702)435-5555	MEREDITH CORP	
Type of PCB Activity		
Generator:Y		
Storer:		
Transporter:		
Disposer:		
Research:		
Smelter:		

EPA ID: NVD986766137	State: NEVADA	Region: 09
Facility Mailing Address:		
Name: DISPOSAL CONTROL SVC INC		
Street: 884 FREEPORT BLVD		
City: SPARKS	State: NV	Zip: 89431
Country: UNITED STATES		
Facility Location Address:		
Street: 1200 MARIETTA		
City: SPARKS	State: NV	Zip: 89431
Country: UNITED STATES		
Date Signed: 08/06/1990	Name of Owner Facility:	
Installation Contact: SIPAILA JONAS (702)331-9400	DISPOSAL CONTROL SVC INC	
Type of PCB Activity		
Generator:		
Storer:		
Transporter:Y		
Disposer:		
Research:		
Smelter:		

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EPA ID: NVD986766160	State: NEVADA	Region: 09
Facility Mailing Address:		
Name: WELLS CARGO, INC.		
Street: P.O.BOX 1511		
City: RENO	State: NV	Zip: 89505
Country: UNITED STATES		
Facility Location Address:		
Street: 1775 E. 4TH ST.		
City: RENO	State: NV	Zip: 89512
Country: UNITED STATES		
Date Signed: 09/04/1990		
Installation Contact:	Name of Owner Facility:	
INWOOD DAR L. (702)329-0061	JAMES WELL	
Type of PCB Activity		
Generator:		
Storer:		
Transporter:Y		
Disposer:		
Research:		
Smelter:		
EPA ID: NVD986768117	State: NEVADA	Region: 09
Facility Mailing Address:		
Name: MT. WHEELER POWER, INC.		
Street: P.O. BOX 1110		
City: ELY	State: NV	Zip: 89301
Country: UNITED STATES		
Facility Location Address:		
Street: 1600 7TH STREET EAST		
City: ELY	State: NV	Zip: 89301
Country: UNITED STATES		
Date Signed: 12/05/1990		
Installation Contact:	Name of Owner Facility:	
MURDOCK J. (702)289-8981	MT. WHEELER POWER, INC	
Type of PCB Activity		
Generator:Y		
Storer:		
Transporter:		
Disposer:		
Research:		
Smelter:		
EPA ID: NVD986768224	State: NEVADA	Region: 09
Facility Mailing Address:		
Name: HIGH DESERT RECOVERY SYSTEMS		
Street: 5250 EAST ALTO AVENUE		
City: LAS VEGAS	State: NV	Zip: 89115
Country: UNITED STATES		
Facility Location Address:		
Street: 5250 EAST ALTO AVENUE		
City: LAS VEGAS	State: NV	Zip: 89115
Country: UNITED STATES		
Date Signed: 03/13/1991		
Installation Contact:	Name of Owner Facility:	
LANE, JAMES H. (702)644-8777	JAMES H. LANE	
Type of PCB Activity		
Generator:Y		
Storer:		
Transporter:Y		
Disposer:		
Research:		
Smelter:		

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EPA ID: NVD986774834	State: NEVADA	Region: 09
Facility Mailing Address:		
Name: VALLEY ELECTRIC ASSOCIATION		
Street: PO BOX 237		
City: PAHRUMP	State: NV	Zip: 89041
Country: UNITED STATES		
Facility Location Address:		
Street: 800 E HIGHWAY 372		
City: PAHRUMP	State: NV	Zip: 89041
Country: UNITED STATES		
Date Signed: 03/17/1994		
Installation Contact:	Name of Owner Facility:	
CROWTHER, BRENT	RURAL ELECTRIC COOP	
(702)727-5312		
Type of PCB Activity		
Generator:Y		
Storer:		
Transporter:		
Disposer:		
Research:		
Smelter:		
EPA ID: NVR000044701	State: NEVADA	Region: 09
Facility Mailing Address:		
Name: H2O Environmental		
Street: 4280 N. Pecos Road		
City: Las Vegas	State: NV	Zip: 89115
Country: UNITED STATES		
Facility Location Address:		
Street: 4280 N. Pecos Road		
City: Las Vegas	State: NV	Zip: 89115
Country: UNITED STATES		
Date Signed: 04/01/2005		
Installation Contact:	Name of Owner Facility:	
Stephen Strawn	John Bradley	
(702)396-4148		
Type of PCB Activity		
Generator:		
Storer:		
Transporter:Y		
Disposer:		
Research:		
Smelter:		
EPA ID: NVR000046367	State: NEVADA	Region: 09
Facility Mailing Address:		
Name: PAUL THOMAS ENVIROTRANS, INC.		
Street: 3885 BRANT STREET		
City: RENO	State: NV	Zip: 89506
Country: UNITED STATES		
Facility Location Address:		
Street: 3885 BRANT STREET		
City: RENO	State: NV	Zip: 89506
Country: UNITED STATES		
Date Signed: 11/08/1999		
Installation Contact:	Name of Owner Facility:	
THOMAS P. HAMMOND	THOMAS P. HAMMOND	
(775)971-9999		
Type of PCB Activity		
Generator:		
Storer:		
Transporter:Y		
Disposer:		
Research:		
Smelter:		

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EPA ID: NVR000054213	State: NEVADA	Region: 09
Facility Mailing Address:		
Name: Universal Environmental		
Street: P.O. Box 10120		
City: Reno	State: NV	Zip: 89510
Country: UNITED STATES		
Facility Location Address:		
Street: 455 Franklin Way		
City: Sparks	State: NV	Zip: 89431
Country: UNITED STATES		
Date Signed: 08/09/2004		
Installation Contact:	Name of Owner Facility:	
Jason Benson (775)351-2500	Wayne Turnage	
Type of PCB Activity		
Generator:		
Storer:		
Transporter:Y		
Disposer:		
Research:		
Smelter:		
EPA ID: NVR000063560	State: NEVADA	Region: 09
Facility Mailing Address:		
Name: H2O ENVIRONMENTAL, INC.		
Street: 390 FREEPORT BLVD. SUITE 12		
City: SPARKS	State: NV	Zip: 89431
Country: UNITED STATES		
Facility Location Address:		
Street: 390 FREEPORT BLVD. SUITE 12		
City: SPARKS	State: NV	Zip: 89431
Country: UNITED STATES		
Date Signed: 09/06/2004		
Installation Contact:	Name of Owner Facility:	
GREG SCYPHERS [775]351-2237	JOHN W. BRADLEY	
Type of PCB Activity		
Generator:N		
Storer:N		
Transporter:Y		
Disposer:N		
Research:N		
Smelter:N		
EPA ID: NVR000081380	State: NEVADA	Region: 09
Facility Mailing Address:		
Name: H2O ENVIRONMENTAL INC		
Street: 4035 FLOSSMOOR ST		
City: LAS VEGAS	State: NV	Zip: 89115
Country: UNITED STATES		
Facility Location Address:		
Street: 4035 FLOSSMOOR ST		
City: LAS VEGAS	State: NV	Zip: 89115
Country: UNITED STATES		
Date Signed: 07/09/2008		
Installation Contact:	Name of Owner Facility:	
PATRICK HEYNEMAN [208] 514-5244	JOHN W. BRADLEY II	
Type of PCB Activity		
Generator:N		
Storer:N		
Transporter:Y		
Disposer:N		
Research:N		
Smelter:N		

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EPA ID: NVT330010000	State: NEVADA	Region: 09
Facility Mailing Address:		
Name: US ECOLOGY INC		
Street: PO BOX 578		
City: BEATTY	State: NV	Zip: 89003
Country: UNITED STATES		
Facility Location Address:		
Street: HWY 95 12 MI S OF BEATTY		
City: BEATTY	State: NV	Zip: 89003
Country: UNITED STATES		
Date Signed: 02/09/1990	Name of Owner Facility:	
Installation Contact: MARCHAND ROBERT (702)553-2503	NEVADA STATE OF	
Type of PCB Activity		
Generator:Y		
Storer:Y		
Transporter:Y		
Disposer:Y		
Research:		
Smelter:		

EPA ID: NVW000000053	State: NEVADA	Region: 09
Facility Mailing Address:		
Name: EH&S		
Street: CEROX CORP., 760 SAN ALES0 AVE.		
City: SUNNYVALE	State: CA	Zip: 94085
Country: UNITED STATES		
Facility Location Address:		
Street: 1605 EVANS AVE.		
City: RENO	State: NV	Zip: 89557
Country: UNITED STATES		
Date Signed: 06/22/2000	Name of Owner Facility:	
Installation Contact: NORVELL NELSON (408)744-9183	UNIVERSITY OF NEVADA	
Type of PCB Activity		
Generator:		
Storer:		
Transporter:		
Disposer:		
Research:Y		
Smelter:		

EPA ID: NVW000000517	State: NEVADA	Region: 09
Facility Mailing Address:		
Name: Boulder City Substation #1A		
Street: 764 Fairway Drive		
City: Boulder City	State: NV	Zip: 89005
Country: UNITED STATES		
Facility Location Address:		
Street: Near 500 Railroad Ave.		
City: Boulder City	State: NV	Zip: 89005
Country: UNITED STATES		
Date Signed: 04/29/2005	Name of Owner Facility:	
Installation Contact: Matt Stinchfield (702)293-1330	Western Area Power Admin.	
Type of PCB Activity		
Generator:N		
Storer:		
Transporter:		
Disposer:		
Research:		
Smelter:		

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EPA ID: NVW10000017	State: NEVADA	Region: 09
Facility Mailing Address:		
Name: WESTERN NEVADA COMMUNITY COLL.		
Street: 2201 W. COLLEGE PARKWAY		
City: CARSON CITY	State: NV	Zip: 89703
Country: UNITED STATES		
Facility Location Address:		
Street: 10 21ST STREET		
City: HAWTHORNE	State: NV	Zip: 89415
Country: UNITED STATES		
Date Signed: 07/19/1999	Name of Owner Facility:	
Installation Contact: MANATT, LORRAINE (775)445-3327	BOARD OF REGENTS UCCSN/WNCC	
Type of PCB Activity		
Generator:Y		
Storer:		
Transporter:		
Disposer:		
Research:		
Smelter:		
EPA ID: TT9213690002	State: TRUST TERRITORIES	Region: 09
Facility Mailing Address:		
Name: US ARMY KWAJALEIN ATOLL		
Street: COMMANDER ATTN CSSD KA DE PO BOX 26		
City: APO AP	State: CA	Zip: 96555-2526
Country: UNITED STATES		
Facility Location Address:		
Street: REPUBLIC OF MARSHALL ISL PO BOX 26		
City: APO AP	State: TT	Zip: 96555
Country: UNITED STATES		
Date Signed: 08/17/1992	Name of Owner Facility:	
Installation Contact: OTT DONALD W (805)238-7994	US ARMY	
Type of PCB Activity		
Generator:Y		
Storer:		
Transporter:		
Disposer:		
Research:		
Smelter:		
EPA ID: TT9570090002	State: TRUST TERRITORIES	Region: 09
Facility Mailing Address:		
Name: FIELD COMMAND DNA		
Street: CMDR, FIELD COMMAND, JOHNSTON ISLND		
City: APO	State: TT	Zip: 96558
Country: UNITED STATES		
Facility Location Address:		
Street: JOHNSTON ISLAND, PACIFIC OCEAN		
City: JOHNSTON ATOLL	State: TT	Zip: 96558
Country: UNITED STATES		
Date Signed: 01/29/1994	Name of Owner Facility:	
Installation Contact: SCHAFER, GEORGE D. (808)622-4258	DEFENSE NUCLEAR AGENCY	
Type of PCB Activity		
Generator:Y		
Storer:		
Transporter:		
Disposer:		
Research:		
Smelter:		



<http://www.epa.gov/region09/toxic/pcb/disposal.html>

Last updated on Wednesday, March 18th, 2009.

Region 9: Polychlorinated Biphenyls (PCBs)

You are here: [EPA Home](#) [Region 9](#) [Toxics](#) [PCBs](#) [Industry Information](#)

Storage and Disposal

The storage and disposal regulations of TSCA (40 CFR 761.50 - .79) require specific approaches for PCB waste cleanup, storage location and duration, landfill and incineration disposal, and decontamination and recycling. Additional information about PCB waste options is provided in the [Interpretive Guidance](#).

PCB Disposal/Storage Resources

[Commercially permitted PCB disposal and storage facilities](#)
[Interpretive Guidance](#)

Permitted Storage Facilities in Region 9:

- [Earth Protection Services](#)
- [Lighting Resources Inc.](#)
- [Veolia](#)

For information regarding **storage** facilities, contact [Chris Rollins](#), (415) 947-4166

Permitted Disposal Facilities in Region 9:

- [U.S. Ecology](#)
- [Chemical Waste Management - Kettleman Hills](#)

For information regarding **disposal** facilities, contact [Annastacia Braye](#) (braye.annastacia@epa.gov), (415) 972-3345

Permits for Storage Facilities

Earth Protection Services, Inc., Phoenix AZ

EPA's final permit to allow Earth Protection Services, Inc. to commercially store PCB wastes and decontaminate PCB-containing lighting ballasts.

- [Fact sheet, English](#)
- [Fact sheet, en Español](#)
- [Final permit: Approval for a Toxic Substances Control Act PCB Commercial **Storage** Facility \(PDF\) \(33 pp., 109K\)](#)
- [Appendix A: Sampling Plan for wire and Steel from the Decontaminated Lighting Ballasts \(PDF\) \(3 pp., 21K\)](#)
- [Appendix B: Third Party Certification for Sampling Decontaminated Scrap Metal \(PDF\) \(1 pg, 10K\)](#)
- [Map: Facility location and layout \(PDF\) \(2 pp., 368K scanned\)](#)

Lighting Resources, Inc., Phoenix AZ

EPA's proposed permit decision to allow Lighting Resources, Inc. to commercially store PCB wastes and decontaminate PCB-containing lighting ballasts

- [Fact sheet, English](#)
- [Fact sheet, en Español](#)
- [Final permit: Approval for a Toxic Substances Control Act PCB Commercial **Storage** Facility \(PDF\) \(33 pp., 109K\)](#)
- [Appendix A: Sampling Plan for wire and Steel from the Decontaminated Lighting Ballasts \(PDF\) \(3 pp., 21K\)](#)
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- [Map: Facility location and layout \(PDF\) \(2 pp., 368K scanned\)](#)



http://www.epa-echo.gov/echo/about_site.html

Last updated on Tuesday, February 3rd, 2009.

Enforcement & Compliance History Online (ECHO)

You are here: [EPA Home](#) [Compliance and Enforcement](#) [ECHO](#) [About Site](#)

About the Site



EPA is committed to public access to environmental information and has worked with states to develop a format for providing Internet access to information contained in core EPA data systems. ECHO focuses on facility compliance and EPA/state enforcement of environmental regulations. Though the data included within ECHO have been in the public domain through Freedom of Information Act requests and mainframe computer subscription, the information was not available in a searchable Web format. ECHO makes it much easier for the public to obtain these data records on the Internet.

EPA has worked with state governments to develop the content of the site and ensure accurate data. A Joint EPA-state Enforcement and Compliance Public Access Workgroup developed the template for the type, sources, and amount of data to be included within ECHO. This workgroup, developed in partnership with The Environmental Council of the states (ECOS), made its recommendations in June 2000. To prepare for launch of ECHO, EPA and the states conducted a comprehensive data review to ensure high quality information. ECHO also includes on the site an online error reporting process that allows users to alert EPA and the states to possible errors.

ECHO is a Web interface that draws data from the Integrated Data for Enforcement Analysis system (IDEA). IDEA, operated by EPA's Office of Enforcement and Compliance Assurance, integrates facility data from disparate EPA databases.

ECHO provides integrated compliance and enforcement information for approximately 800,000 regulated facilities nationwide. The site allows users to find inspection, violation, enforcement action, informal enforcement action, and penalty information about facilities for the past three years. Facilities regulated under the following environmental statutes are included: Clean Air Act (CAA) Stationary Source Program, Clean Water Act (CWA) National Pollutant Elimination Discharge System (NPDES), and Resource Conservation and Recovery Act (RCRA).

ECHO reports provide a snapshot of a facility's environmental record, showing dates and types of violations, as well as the state or federal government's response. ECHO reports also contain demographic information from the National Census. EPA, state and local environmental agencies, and the facilities collect/report the data that are submitted to EPA databases. For more information on the data included, please see the [About the Data](#) page.

For information on EPA's enforcement program, please see:

<http://www.epa.gov/compliance/civil/index.html>.



http://www.epa-echo.gov/echo/
Last updated on Tuesday, May 5th, 2009.

Enforcement & Compliance History Online (ECHO)

You are here: [EPA Home](#) [Compliance and Enforcement](#) [ECHO](#) Home



Data updated:
April 2009

Welcome

Use ECHO to determine whether:

- **Compliance inspections** have been conducted by EPA or State/local governments
- **Violations** were detected
- **Enforcement actions** were taken and penalties were assessed in response to environmental law violations

[Report an Environmental Violation](#)

Compliance Searches

Retrieve compliance data by choosing one of the following:

- [All Data](#)
 - [Air Data](#)
 - [Water Data](#)
 - [Hazardous Waste Data](#)
- [EPA Cases | SEPs](#)
- [Multiple ID Search](#)

Quick Search

Enter ZIP or city, state
(e.g., "02818" or "Warwick, RI")



Large Facilities All Facilities

[First Time Users](#)

[Data Problems](#) | [Quality of Data](#) | [Download Data](#) | [How to Report an Error](#)
[Recent Additions](#) | [ECHO History](#) | [Use of Data in ECHO](#) | [Data Dictionary](#)



http://www.epa-echo.gov/cgi-bin/ideaotis.cgi
 Last updated on Friday, May 15th, 2009.

Enforcement & Compliance History Online (ECHO)

You are here: [EPA Home](#) [Compliance and Enforcement](#) [ECHO](#) [Search Data](#) [Search Results](#)



Search Results (All Programs)



3 Facilities Returned

[New Search](#)

Information on the [enforcement process](#) is available on the FAQ page. Entries in gray text denote records that are not federally required to be reported to EPA. These data may not be complete.

[Add/Remove Columns](#) [Map](#)

[Download](#)

Facility Information <i>(Select Name to Read Report)</i>	Program ID#	Inspections (5 yrs)	Qtrs in Non Compliance (3 yrs)	Alleged Current Significant Violations	Informal Enforcement Actions/NOVs (5 yrs)	Formal Enforcement Actions (5 yrs)
AMERICAN BORATE COMPANY STAR ROUTE 15 BOX 610 LATHROP WELLS, NV 89020 FRS ID: 110007978929	RCR: NVD082109307			no		
LMV DIVISION OF FLORIDIN COMPANY 498 E IMUITE RD AMARGOSA VALLEY, NV 89020 FRS ID: 110007979697	RCR: NVD982460362			no		
PONDEROSA DAIRY TOWNSHIP 17 S RANGE 49 E SECTION 9, 10 & 15 AMARGOSA VALLEY, NV 89020 FRS ID: 110017889043	ICP: NVA000041		n/a	n/a		
	ICP: NV0023027	2	n/a	n/a		



Report Generated on 5/15/2009

Search Criteria

Facility Characteristics

Major(AFS,PCS,and RCRA) Active/Operating: Y

Geographic Location

State/City: Zip Code: 89020

[return to top](#)

Notes:

- Chemical releases reported by TRI are not associated with non-compliance for that facility.
 - The Demographics data (Percent Minority and Population Density) are displayed on the first row in each facilities data table.
- This data is not specific to that permit but to the whole facility.

Definitions:

- AFS- Air Facility System for Clean Air Act programs.
- FRS- Facility Registry System.
- PCS- Permit Compliance System for Clean Water Act programs monitoring National Pollutant Discharge Elimination System (NPDES) permits.
- RCRA- Resource Conservation and Recovery Act waste handler database (RCRAInfo).
- TRI- Toxics Release Inventory for Emergency Planning and Community Right-to-Know Act, Section 313 submissions.
- ICIS- Integrated Compliance Information System



http://www.epa-echo.gov/cgi-bin/ideaotis.cgi
Last updated on Friday, May 8th, 2009.

Enforcement & Compliance History Online (ECHO)

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Search Results (All Programs)



4 Facilities Returned

[New Search](#)

Information on the [enforcement process](#) is available on the FAQ page. Entries in gray text denote records that are not federally required to be reported to EPA. These data may not be complete.

[Add/Remove Columns](#)



[Download](#)

Facility Information <i>(Select Name to Read Report)</i>	Program ID#	Inspections (5 yrs)	Qtrs in Non Compliance (3 yrs)	Alleged Current Significant Violations	Informal Enforcement Actions/NOVs (5 yrs)	Formal Enforcement Actions (5 yrs)
FLUID TECH INCORPORATED EMAD FACILITY EMAD BUILDING 3900 AREA 25 MERCURY, NV 89023 FRS ID: 110004305047	RCR: NVR000036350			no		
MORRISON KNUDSEN CORP NEVADA TEST SITE AREA 25 MERCURY, NV 89023 FRS ID: 110033028863	RCR: NVR000066720			no		
US DEPT OF ENERGY NEVADA TEST SITE NEVADA TEST SITE HIGHWAY 95 MERCURY, NV 89023 FRS ID: 110001136716	AFS: 32023N0549	1		no		
	RCR: NV3890090001	5		no		
USDOE YUCCA MOUNTAIN PROJECT AREA 25 NV TEST SITE MERCURY, NV 89023 FRS ID: 110033028881	RCR: NV7890090023			no		

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Report Generated on 5/8/2009

Search Criteria

Facility Characteristics

Major(AFS,PCS,and RCRA) Active/Operating: Y

Geographic Location

Zip Code: 89023

[return to top](#)

Notes:

- Chemical releases reported by TRI are not associated with non-compliance for that facility.
 - The Demographics data (Percent Minority and Population Density) are displayed on the first row in each facilities data table.
- This data is not specific to that permit but to the whole facility.

Definitions:

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- FRS- Facility Registry System.
- PCS- Permit Compliance System for Clean Water Act programs monitoring National Pollutant Discharge Elimination System (NPDES) permits.
- RCRA- Resource Conservation and Recovery Act waste handler database (RCRAInfo).
- TRI- Toxics Release Inventory for Emergency Planning and Community Right-to-Know Act, Section 313 submissions.
- ICIS- Integrated Compliance Information System



Enforcement & Compliance History Online (ECHO)

You are here: [EPA Home](#) [Compliance and Enforcement](#) [ECHO](#) [Search Data](#) [Search Results](#)

Detailed Facility Report



[Report Error](#)

[Data Dictionary](#)

For Public Release - Unrestricted Dissemination Report Generated on 05/08/2009
 US Environmental Protection Agency - Office of Enforcement and Compliance Assurance

Facility Permits and Identifiers

[Data Dictionary](#)

Statute	System	Source ID	Facility Name	Street Address	City	State	Zip
	FRS	110001136716	US DEPT OF ENERGY NEVADA TEST SITE	NEVADA TEST SITE HIGHWAY 95	MERCURY	NV	89023
CAA	AFS	32023N0549	US DOE - NV TEST SITE	SECTION 13, T 10S, R 52E	MERCURY	NV	
RCRA	RCR	NV3890090001	USDOE NEVADA TEST SITE	U S HIGHWAY 95 & HARDTACK AVE	MERCURY	NV	89023
EP313	TRI	89023SDNVVDUSHWY	U.S. DOE NNSA/NSO NEVADA TEST SITE	N OF U.S. HWY 95 AT MERCURY INTERCHANGE	MERCURY	NV	89023

Facility Characteristics

[Data Dictionary](#)

Statute	Source ID	Universe	Status	Areas	Permit Expiration Date	Latitude/ Longitude	Indian Country?	SIC Codes	NAICS Codes
	110001136716					LRT: 36.985330 , -116.188400	No		
CAA	32023N0549	Synthetic Minor (Fed. Rep.)	Operating	SIP			NA	9711	928110
RCRA	NV3890090001	Operating TSDF LQG	Active (HPA)			36.9853 , -116.1884	No	9711 9711	92811 54133 54171 56299
EP313	89023SDNVVDUSHWY					36.6625 , -116.0125	NA	9711	928110

If the CWA permit is past its expiration date, this normally means that the permitting authority has not yet issued a new permit. In these situations, the expired permit is normally administratively extended and kept in effect until the new permit is issued.

For the RCRA program, activities that contribute to an overall facility status of Active are displayed in parentheses using the acronym HPACS, where H indicates handler activities, P - permitting, A - corrective action, C - converter, and S - state-specific. More information is available in the Data Dictionary.

Inspection and Enforcement Summary Data

[Data Dictionary](#)

Statute	Source ID	Insp. Last 05Yrs	Date of Last Inspection	Formal Enf Act Last 05 Yrs	Penalties Last 05 Yrs
CAA	32023N0549	1	12/11/2006	0	\$00
RCRA	NV3890090001	4	04/29/2008	0	\$00

Compliance Monitoring History (05 years)

[Data Dictionary](#)

Statute	Source ID	Inspection Type	Lead Agency	Date	Finding
CAA	32023N0549	STATE PCE/ON-SITE	State	05/12/2004	
CAA	32023N0549	STATE PCE/ON-SITE	State	06/08/2005	
CAA	32023N0549	STATE CONDUCTED FCE/ON-SITE	State	12/11/2006	
CAA	32023N0549	STATE PCE/ON-SITE	State	07/11/2006	

RCRA	NV3890090001	COMPLIANCE EVALUATION INSPECTION ON-SITE	State	06/09/2005	No Violations Or Compliance Issues Were Found
RCRA	NV3890090001	COMPLIANCE EVALUATION INSPECTION ON-SITE	EPA	05/18/2006	No Violations Or Compliance Issues Were Found
RCRA	NV3890090001	COMPLIANCE EVALUATION INSPECTION ON-SITE	EPA	08/22/2007	No Violations Or Compliance Issues Were Found
RCRA	NV3890090001	COMPLIANCE EVALUATION INSPECTION ON-SITE	State	04/29/2008	No Violations Or Compliance Issues Were Found

Entries in *italics* are not considered inspections in official counts.

Compliance Summary Data

[Data Dictionary](#)

Information on the nature of [alleged violations](#) is available on the FAQ page.

Statute	Source ID	Current SNC/HPV?	Description	Current As Of	Qtrs in NC (of 12)
CAA	32023N0549	NO		04/18/2009	
RCRA	NV3890090001	No		04/19/2009	0

Three Year Compliance Status by Quarter

[Data Dictionary](#)

Violations shown in a given quarter do not necessarily span the entire 3 months. Information on the nature of [alleged violations](#) is available on the FAQ page, and information on the duration of non-compliance is available at the end of this report.

AIR Compliance Status												
Statute:Source ID	QTR1	QTR2	QTR3	QTR4	QTR5	QTR6	QTR7	QTR8	QTR9	QTR10	QTR11	QTR12
CAA: 32023N0549	Apr-Jun06	Jul-Sep06	Oct-Dec06	Jan-Mar07	Apr-Jun07	Jul-Sep07	Oct-Dec07	Jan-Mar08	Apr-Jun08	Jul-Sep08	Oct-Dec08	Jan-Mar09
HPV History												
Program/Pollutant in Current Violation												
SIP	C-INSP	C-INSP	C-INSP	C-INSP	C-INSP	C-INSP	C-INSP	C-INSP	C-INSP	C-INSP	C-INSP	C-INSP

High Priority Violator (HPV) History section: "Unaddr" means the facility has not yet been addressed with a formal enforcement action. "Addr" means the facility has been addressed with a formal enforcement action, but its violations have not been resolved. Lead Agency designated can be US EPA, State, Both, or No Lead Determined. If HPV History is blank, then the facility was not a High Priority Violator. C=Compliance; V=Violation; S=Compliance Schedule.

RCRA Compliance Status													
Statute:Source ID	QTR1	QTR2	QTR3	QTR4	QTR5	QTR6	QTR7	QTR8	QTR9	QTR10	QTR11	QTR12	
RCRA: NV3890090001	Jul-Sep06	Oct-Dec06	Jan-Mar07	Apr-Jun07	Jul-Sep07	Oct-Dec07	Jan-Mar08	Apr-Jun08	Jul-Sep08	Oct-Dec08	Jan-Mar09	Apr-Jun09	
Facility Level Status	Compl	Compl	Compl	Compl	Compl	Compl	Compl	Compl	Compl	Compl	Compl	Compl	
Type of Violation	Agency												

The first date displayed for a RCRA Violation corresponds to the violation determination date, and the next to the resolution date (if the violation has been resolved).

Notices of Violation or Informal Enforcement - AFS, PCS, ICIS-NPDES, RCRAInfo (05 year history)

[Data Dictionary](#)

Statute	Source ID	Type of Action	Lead Agency	Date
- No data records returned.				

Formal Enforcement Actions - (05 year history)

AFS, PCS, RCRAInfo, NCDB

[Data Dictionary](#)

Statute	Source ID	Type of Action	Lead Agency	Date	Penalty	Penalty Description
- No data records returned.						

In some cases, formal enforcement actions may be entered both at the initiation and final stages of the action. These may appear more than once above. Entries in *italics* are not "formal" actions under the PCS definitions but are either the initiation of an action or penalties assessed as a result of a previous action. This section includes US EPA and State formal enforcement actions under CAA, CWA and RCRA.

ICIS

[Data Dictionary](#)

Primary Law/Section	Case Number	Case Type	Lead Agency	Case Name	Issued/Filed Date	Settlement Date	Federal Penalty	State/Local Penalty	SEP Cost	Comp Action Cost
- No data records returned.										

Federal enforcement actions and penalties shown in this section are from the Integrated Compliance Information System (ICIS-FE&C). These actions may duplicate records in the Formal Enforcement Actions section.

Demographic Profile of Surrounding Area (3 Miles)

[Data Dictionary](#)

Radius of Area:	N/A	Land Area:	N/A	Households in area:	N/A
- No data records returned.					

Please note: Entries in gray denote records that are not federally required to be reported to EPA. These data may not be reliable.

Notice About Duration of Violations -- The duration of violations shown on this report is an estimate of the actual duration of the violations that might be alleged or later determined in a legal proceeding. For example, the start date of the violation as shown in the ECHO database is normally when the government first became aware of the violation, not the first date that the violation occurred, and the facility may have corrected the violation before the end date shown. In some situations, violations may have been corrected by the facility, but EPA or the State has not verified the correction of these violations. In other situations, EPA does not remove the violation flag until an enforcement action has been resolved.



This report was generated by the Integrated Data for Enforcement Analysis (IDEA) system, which updates its information from program databases monthly. The data were last updated: AFS: 04/18/2009. RCRAInfo: 04/19/2009. NCDB: 10/27/2006. FRS: 04/16/2009. TRI: 02/28/2008. ICIS: 04/18/2009.

Some regulated facilities have expressed an interest in explaining data shown in the Detailed Facility Reports in ECHO. Please check company web sites for such explanations.

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**LIST OF REPORTED RCRA
SITES IN THE UNITED STATES**

**THE NATIONAL BIENNIAL RCRA
HAZARDOUS WASTE REPORT
(BASED ON 2007 DATA)**



National Biennial RCRA Hazardous Waste Report: Based on 2007 Data

NEVADA

REPORTED RCRA SITES

EPA ID	Site Name	Location City	RCRA Tons Generated	RCRA Tons Managed
NVD980895338	21ST CENTURY ENVIRONMENTAL MANAGEMENT INC.	FERNLEY	2,401	4,367
NVR000081786	ABLE WEST, LLC	MCCARRAN	57	0
NVR000082487	AHERN RENTALS	LAS VEGAS	11	0
NV0000991364	AL PHILLIPS THE CLEANER	LAS VEGAS	32	0
NVD085286037	ALL METALS PROCESSING CO., INC.	CARSON CITY	25	0
NVD981967375	ALS CHEMEX	SPARKS	529	0
NVD980885560	AMERICAN ASSAY LAB	SPARKS	214	0
NVD982516049	AUTOMOTIVE PLATING & SERVICES, INC	LAS VEGAS	10	0
NVD000626531	BARRICK GOLDSTRIKE	CARLIN	21	0
NVD986774735	BARRICK TURQUOISE RIDGE INC	GOLCONDA	50	1
NVR000041434	BELLAGIO CASINO HOTEL	LAS VEGAS	11	0
NVD990764961	CALNEV PIPE LINE LLC LAS VEGAS TERMINAL	LAS VEGAS	18	0
NVR000078501	CAPITAL CABINETS DIVISION OF MASTERBRAND CAB	NORTH LAS VEGAS	74	0
NVR000076034	CAROLINA SUPPLY CHAIN SERVICES	RENO	94	0
NVD982434961	CCSD-KOEPSSELL TRANSPORTATION SATELLITE	HENDERSON	12	0
NVD986767572	COEUR ROCHESTER, INC.	LOVELOCK	38	0
NVR000073874	CORTEZ GOLD MINE-PIPELINE	CRESCENT VALLEY	222	0
NVR000073528	COSTCO WHOLESALE #127	CARSON CITY	14	0
NVD986776169	COSTCO WHOLESALE #25	RENO	23	0
NVR000081133	COSTCO WHOLESALE #646	SPARKS	12	0
NVR000058487	CYANCO	WINNEMUCCA	28	0
NVD982494924	DUPONT CARLIN TERMINAL	CARLIN	7	0
NVD982467250	DURA-BOND BEARING CO	CARSON CITY	40	0
NVR000001495	E.I. DUPONT DE NEMOURS & CO	RENO	95	0
NVR000082628	ECONOMY STEEL	LAS VEGAS	2	0
NVD981574569	FORMER DR. CLEAN	LAS VEGAS	26	0
NVR000081901	FOUNTAINBLEAU, LLC	LAS VEGAS	55	0
NVD000627034	GOLD QUARRY	CARLIN	49	0
NVD008477820	HAMILTON COMPANY	RENO	24	0
NV1210090006	HAWTHORNE ARMY DEPOT	HAWTHORNE	3,152	0
NVR000081703	HENDERSON GROUNDWATER TREATMENT SYSTEM	HENDERSON	21	0
NVD067817882	INSPECTORATE AMERICA CORPORATION - SPARKS, I	SPARKS	165	0
NVR000082313	ISAACTOS LLC	NORTH LAS VEGAS	2	0
NVR000073544	KAPPES, CASSIDAY & ASSOCIATES	RENO	16	0
NVR000073759	LABORATORY MEDICINE CONSULTANTS	LAS VEGAS	12	0
NVR000081745	LAS VEGAS ARC INTERNATIONAL	NORTH LAS VEGAS	70	0
NVR000082040	LAS VEGAS COGENERATION	NORTH LAS VEGAS	0	0
NVR000072504	LAS VEGAS FINISHING, LLC	LAS VEGAS	37	0
NVR000053215	MEDCO HEALTH SOLUTIONS	LAS VEGAS	13	0
NVR000082479	MINAMILL	MINA	4	0
NVD000630970	MOHAVE GENERATING STATION	LAUGHLIN	3	0
NVD008237489	MONTROSE CHEMICAL CORPORATION OF CA -HENDE	HENDERSON	234	0
NV9170022173	NAVAL AIR STATION	FALLON	6	0
NVR000000810	NEVADA COLOR LITHO	NORTH LAS VEGAS	13	0
NVD982030520	NEVADA WOOD PRESERVING	SILVER SPRINGS	37	0
NV5210090010	NEW BOMB FACILITY (HAWTHORNE ARMY DEPOT	HAWTHORNE	0	3,090
NVD982522799	NEWMONT MINING CORPORATION PHOENIX MINE	BATTLE MOUNTAIN	3	0
NVD982408668	NEWMONT MINING CORPORATION- TWIN CREEKS MI	GOLCONDA	7	0
NVD062081500	PIONEER AMERICAS, LLC DBA OLIN CHLOR ALKALI PI	HENDERSON	9	0
NVR000041855	QUEBECOR WORLD NEVADA	FERNLEY	120	0
NVD096691886	QUEENSTAKE RESOURCES JERRITT CANYON MINE	ELKO	38	0
NVR000075838	QUEST DIAGNOSTICS	LAS VEGAS	26	0
NVD981641434	R.R. DONNELLEY	RENO	77	0
NVR000076158	RESOLVENT, INC.	SPARKS	587	610
NVD982440539	ROBINSON NEVADA MINING CO	RUTH	12	0
NVD982504664	ROUND MOUNTAIN GOLD CORPORATION	ROUND MOUNTAIN	15	0
NVR000066837	SAFETY-KLEEN SYSTEMS INC	NORTH LAS VEGAS	261	0
NVD000038737	THE SHERWIN WILLIAMS COMPANY RENO NV	RENO	160	0

National Biennial RCRA Hazardous Waste Report: Based on 2007 Data

NEVADA

REPORTED RCRA SITES

EPA ID	Site Name	Location City	RCRA Tons Generated	RCRA Tons Managed
NVR000000836	SIERRA PACKAGING AND CONVERTING LLC	SPARKS	67	0
NVD983634338	SPECLINE, INC.	CARSON CITY	35	0
NVD982470056	SUNRISE HOSPITAL AND MEDICAL CENTER, LLC	LAS VEGAS	19	0
NVD092497999	THYSSEN KRUPP VDM USA INC.	RENO	12	0
NVD009562471	TITANIUM METALS CORPORATION	HENDERSON	27	0
NVR000079137	TRANSPORTATION SECURITY ADMINISTRATION	LAS VEGAS	12	0
NV3890090001	U. S. DOE, NNSA/NSO	MERCURY	263	513
NVT330010182	UNIVERSITY OF NEVADA LAS VEGAS	LAS VEGAS	7	0
NVD981963549	UNIVERSITY OF NEVADA, RENO	RENO	35	0
NVT330010000	US ECOLOGY NEVADA	BEATTY	94	97,532
NV7570024110	USAF - NELLIS AIR FORCE BASE (NAFB)	NELLIS AFB	19	0
NV5570024112	USAF - NEVADA TEST AND TRAINING RANGE (NTTR)	NELLIS AFB	3	0
NVR000000018	WAL-MART RC 9153	NORTH LAS VEGAS	149	0
NVR000049155	WALGREENS # 4788	CARSON CITY	3	0
NVR000076984	WALGREENS #5295	RENO	4	0
NVR000067140	WYETH PHARMACEUTICALS	SPARKS	3	0

FFACO, Modifications, Policies and Guidance	Project Information	Letter Templates and Forms	Correspondence	CAU Information	CAS Information	Modifications	Upcoming Milestones	Mi
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Home

Welcome to the Federal Facility Agreement and Consent Order (FFACO) section of the EMIS.

The Federal Facility Agreement and Consent Order (FFACO), was negotiated among the Department of Energy (DOE), the Nevada Division of Environmental Protection (NDEP), and the U.S. Department of Defense (DoD). The FFACO took effect on May 10, 1996, and establishes a framework for identifying, prioritizing, investigating, remediating, and monitoring Nevada sites contaminated by the DOE and the DoD.

This section is divided into the following major categories:

FFACO, Modifications, Policies and Guidance

The latest FFACO, Appendices, Handbook including historical modifications; CAU & CAS Policies; Use Restrictions; Milestone & Document Development; Approved Document Outlines; Forms

Project Information

Project-level information including General Information, Schedule Information, and Use Restrictions.

Letter Templates & Forms

Use the wizard on this site to generate letters & forms.

Correspondence

Logs of all correspondence regarding the FFACO.

Corrective Action Unit (CAU) Information

CAU-specific information including General Information, Planning Information, Milestones, Corrective Action Sites, Use Restrictions, Correspondence and Modifications.

Corrective Action Site (CAS) Information

CAS-specific information including General Information, Location, Planning, Use Restrictions and Modifications.

Modifications

Logs of all CAU/CAS modifications.

Upcoming Milestones

List of upcoming milestones within the next 60 days.

Meetings & Emails

Public Logs of Meetings held and Email notifications.

Reports

Monthly and Quarterly Field Activity Reports, Monthly Closure Reports Baseline Reports, and Monthly CAS Count Reports can be found in this section.














FFACO Histories

The FFACO Histories document the negotiations and development of the FFACO and its modifications, and chronicle issues that pertain to the FFACO and its Appendices.

For questions or comments, please email us at ffaco@nv.doe.gov.

FFACO, Modifications, Policies and Guidance	Project Information	Letter Templates and Forms	Correspondence	CAU Information	CAS Information	Modifications	Upcoming Milestones	Meetings and Emails	Reports	Histories
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Home - Reports

Report Categories	Reports
<ul style="list-style-type: none">  Monthly CAU/CAS Count Reports  Industrial Sites Monthly Closure Reports  Monthly Field Activity Reports  Industrial Sites  Quarterly Field Activity Reports  UGTA  DTRA  Offsites  NTS Map  Lifecycle Baseline - Rev. 7  Lifecycle Baseline - Version 8 	<ul style="list-style-type: none">  NTS Map With CAS Data (Volume 1) (July 27, 2005)  NTS Map With CAS Data (Volume 2) (July 27, 2005)

NTS Maps with Corrective Action Sites Data Disclaimer

This compilation of maps and corrective action sites (CASs) data was prepared with the best available radiological flyover survey data and information contained in the Federal Facility Agreement and Consent Order (FFACO) database. This data was current as of July 27, 2005. The following explains what data has been included/excluded:

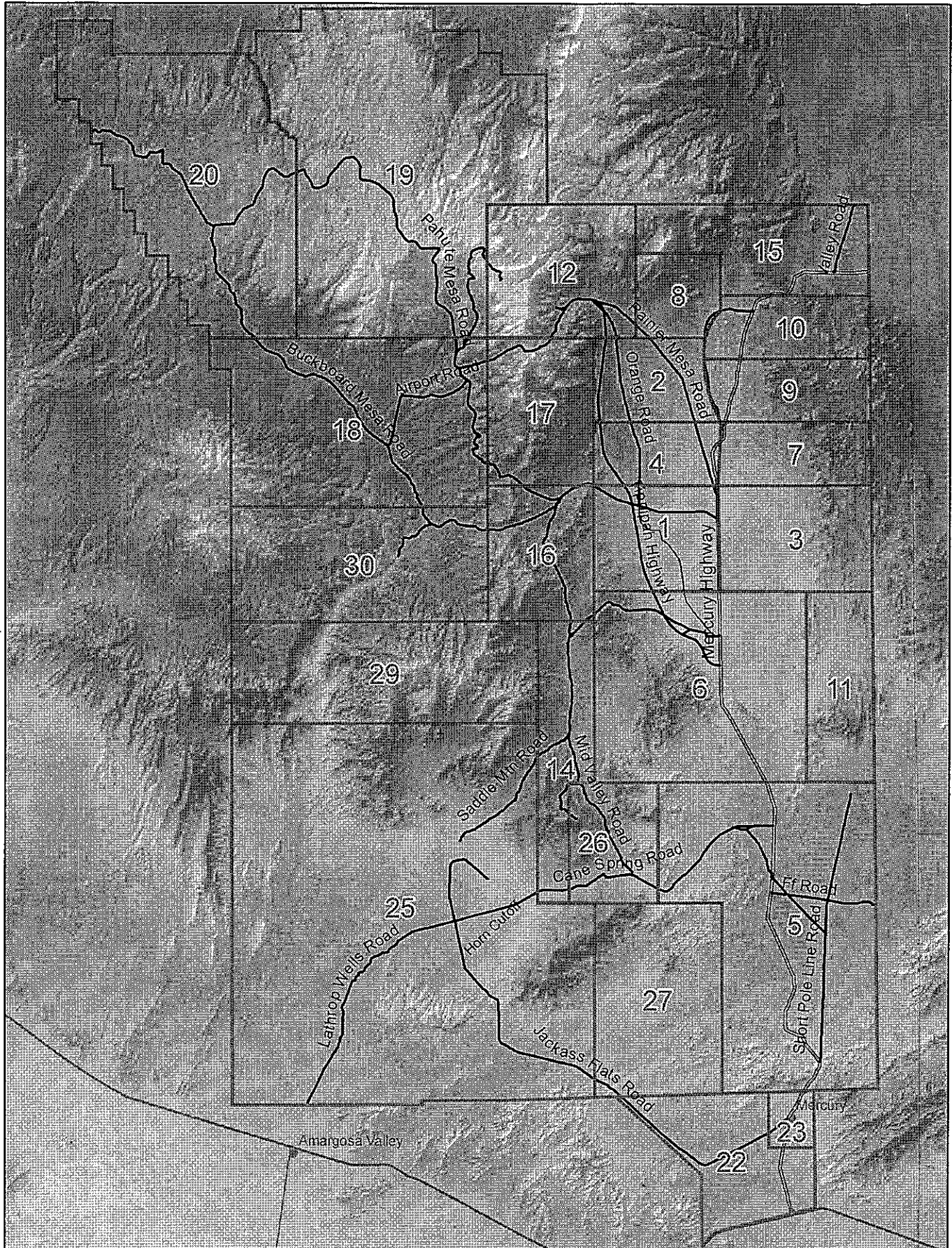
- Underground Testing (UGTA) project data was excluded from the data set.
- All Appendix 2 CASs in the FFACO were included, regardless of the anticipated closure strategy.
- Appendix 3 and 4 CASs with a “close in place” strategy was included in the data set.
- CASs in Appendix 3 and 4 with a closure strategy of “clean closure” were excluded from the data set.
- All CASs with use restrictions, regardless of closure strategy, were included in the data set.
- Archived CASs were excluded from the data set.
- All CASs in corrective action units (CAUs) 530-535 were excluded from the data set. These CAUs contain 270 mud pits that are being proposed for “no further action.” If this does not get approved and the sites require use restrictions or become “close in place” sites, the data set will be updated to include these CASs.

The following are explanations of some of the data contained within the CAS spreadsheets:

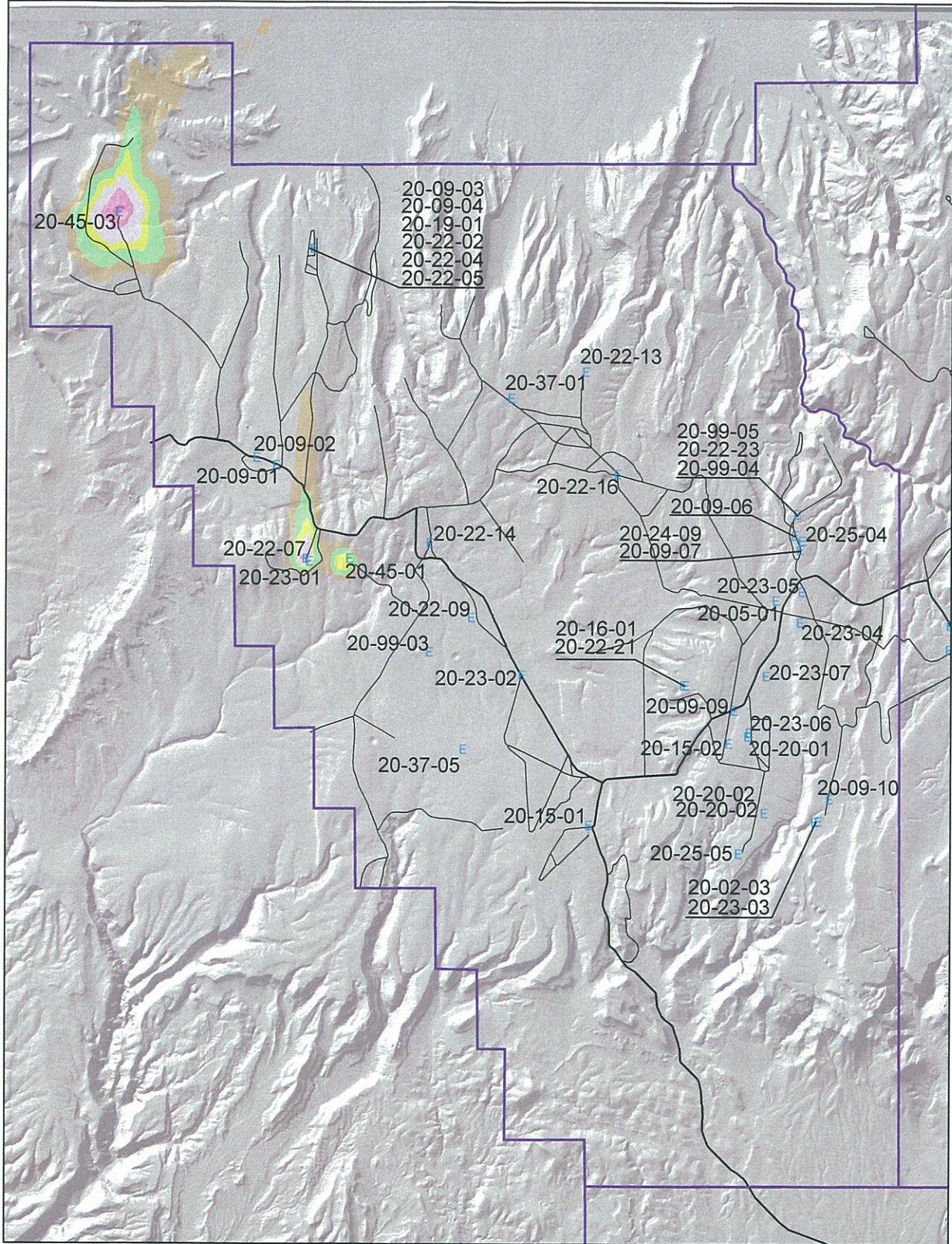
- Some CASs are located within areas on the NTS that contradict their CAS ID (e.g., the CAS ID 06-20-03 implies the CAS is located in Area 6 while in fact it is located in Area 3. Therefore, CAS 06-20-03 is located on the Area 3 CAS spreadsheet and is plotted on the Area 3 map).
- If a site in Appendix 3 did not have a Corrective Action Decision Document (CADD) completed, the “EXPECTED CONTAMINANTS/ISOTOPEs” were listed as unknown.
- The area provided in the “FENCED/ESTIMATED AREA m²” is of the fenced area at that location and does not necessarily reflect the actual size of the CAS.
- Some closure dates and closure strategies were not been established at the time this document was prepared.
- Characterization data is not available for Appendix 2 CASs. Characterization data may be available for some Appendix 3 CASs and is available for all Appendix 4 CASs. However, if a report was not electronically available on the Common Data Repository (CDR) or Environmental Management Information System (EMIS), the phrase “Report not available” was inserted.

Data within the FFACO and site conditions at the NTS are constantly changing. This book should be used as a guide and the data within should not be considered final. For more updated information, contact the FFACO group at FFACO@nv.doe.gov or Bernadine Bailey at (702) 295-1843.

Area Index for the Nevada Test Site



Area 20

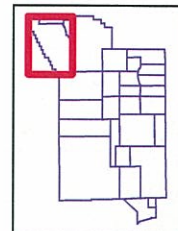


20-45-03
 20-09-03
 20-09-04
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 20-22-02
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 20-02-03
 20-23-03



Legend

- Average Micro R/Hr
- 9
 - 27
 - 80
 - 240
 - 240.001
- E Corrective Action Sites (CASs)





<http://www.epa.gov/epawaste/inforesources/index.htm>
Last updated on Wednesday, February 18th, 2009.

Wastes - Information Resources

You are here: [EPA Home](#) [Wastes](#) [Information Resources](#)

This page has information resources to help answer questions about the topics covered on this Web site.

[Glossary](#) - Find commonly used environmental terms, acronyms, and abbreviations.

[Hazardous Waste Data](#) - Hazardous waste data is contained in the Resource Conservation and Recovery Act Information ([RCRAInfo](#)), a national program management and inventory system about hazardous waste handlers. In general, all generators, transporters, treaters, storers, and disposers of hazardous waste are required to provide information about their activities to state environmental agencies, which is then transmitted to EPA.

[Municipal Solid Waste Facts and Figures](#) - The page describes the national municipal solid waste stream based on data collected since 1960. It contains information on the benefits of recycling, as well as data on waste generation, recycling, and disposal.

[Newsroom](#) - Find current and archived news stories.

[Publications](#) - This page contains all publications related to the information found on this site, and users may search for publications either alphabetically or [by topic](#)

[RCRA Online](#) - RCRA Online is an electronic database of selected letters, memoranda, and questions and answers written by the Environmental Protection Agency's (EPA) Office of Resource Conservation and Recovery (ORCR) since 1980. These documents cover the management of nonhazardous, hazardous, and medical waste regulated by the Resource Conservation and Recovery Act (RCRA).

[Waste Environmental Management Systems \(EMS\)](#) - Describes ways for improving environmental performance by providing organizations with the tools to both successfully manage their environmental activities, and to manage those activities in a cost effective manner.

Related Links

[RCRA Frequent Questions Database](#) - This searchable database enables users to search frequently asked questions or submit their own question or comment on a variety of RCRA issues and topics. Before searching, view the search tips.

[Monthly Call Center Reports and RCRA Training Modules](#)



<http://www.epa.gov/epawaste/inforesources/data/index.htm>

Last updated on Monday, September 29th, 2008.

Wastes - Information Resources

You are here: [EPA Home](#) [Wastes](#) [Information Resources](#) [Hazardous Waste Data](#)

- [Hazardous Waste Data](#)
- [Biennial Reporting System](#)
- [Burden Reduction](#)

Hazardous Waste Data

EPA manages [RCRAInfo](#), a national information system to support the RCRA Subtitle C Hazardous Waste program. This section also provides additional information:

- [National Biennial RCRA Hazardous Waste Report: Documents and Data](#) - Provides data for hazardous waste managed under RCRA Subtitle C from 1991 to the present.
- [RCRA Burden Reduction Initiative](#) - In March 2006, EPA finalized reductions to the reporting requirements at hazardous waste facilities.

RCRAInfo

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. RCRAInfo replaces the data recording and reporting abilities of the Resource Conservation and Recovery Information System (RCRIS) and the Biennial Reporting System (BRS).

The RCRAInfo system allows tracking of many types of information about the regulated universe of RCRA hazardous waste handlers. RCRAInfo characterizes facility status, regulated activities, and compliance histories and captures detailed data on the generation of hazardous waste from large quantity generators and on waste management practices from treatment, storage, and disposal facilities.

Using cutting-edge technology and a simple architecture, RCRAInfo provides a convenient user interface for the program staff and managers of the EPA and its State and Tribal partners. RCRAInfo data is made available to the public through EPA's [Envirofacts Data Warehouse](#) through monthly extracts or through the [Right to Know Network](#). [EXIT Disclaimer](#)

The Right to Know Network provides free access to numerous databases, text files, conferences on the environment, housing, and sustainable development. It is operated by two nonprofit organizations - OMB Watch and the Unison Institute - and funded by various government agencies and foundations, including EPA.

The same flat files that are provided to Envirofacts and the Right to Know Network are also available - free of charge - for downloading from the EPA publicly accessible FTP server:

Change Management Process (CMP)

To manage new or changing information needs of the RCRA Subtitle C program, EPA and the States developed a Change Management Process (CMP). The CMP was designed to meet the needs of both the RCRA information management community and the RCRA program management community. The process allows all RCRAInfo users to submit change suggestions and provides all stakeholders a voice in deciding which system changes are implemented. More information on the CMP (PDF) (24 pp, 951K, [About PDF](#))

- RCRA files - *for IE6 users, after clicking on the link, go to the URL and hit enter to view the files.*
- BR files

A comprehensive web-enabled help module (RCRAInfo_Flat_File_WebHelp.zip) is also available to explain the flat file specifications and data element values:

- ftp://ftp.epa.gov/rcrainfodata/rcra_flatfiles/ - *for IE6 users, after clicking on the link, go to the URL and hit enter to view the files.*



<http://www.epa.gov/compliance/data/systems/toxics/index.html>

Last updated on Friday, January 2nd, 2009.

Data, Planning and Results

You are here: [EPA Home](#) [Compliance and Enforcement](#) [Data, Planning and Results](#) [Data Systems](#) [Toxics/Pesticides](#)

Toxics/Pesticides Data Systems

Data Systems

The following data systems support the enforcement and compliance assurance program for Pesticides and Toxic Substances:

The [National Compliance Data Base System and FIFRA/TSCA Tracking System \(NCDB/FTTS\)](#) track regional compliance and enforcement activity and manage the Pesticides and Toxic Substances Compliance and Enforcement program at a national level. The systems track compliance monitoring and enforcement activities from the time an inspector conducts an inspection until any resulting enforcement actions are taken and is resolved. NCDB is the national repository of data from the regional and Headquarters FIFRA/TSCA Tracking Systems. Most of the data collected in FTTS is transferred to NCDB to support national program management and accomplishment and reporting.

- Air
- Hazardous Waste
- Modernization/ICIS
- Multimedia
- Toxics/Pesticides
- NCDB/FTTS
- SSTS
- Water

The [Section 7 Tracking System \(SSTS\)](#) is the only automated system EPA uses to track pesticide producing establishments and the amount of pesticides they produce. SSTS records the registration of new establishments and the pesticide production at each establishment.



Data, Planning and Results

You are here: [EPA Home](#) [Compliance and Enforcement](#) [Data, Planning and Results](#) [Data Systems](#) [Toxics](#) [National Compliance Data Base](#)

National Compliance Data Base (NCDB)

Data Systems

What is NCDB?

The **National Compliance Data Base System (NCDB)** tracks regional compliance and enforcement activity, for the National Pesticides and Toxic Substances Compliance and Enforcement program. The system tracks compliance monitoring and enforcement activities from the time an inspector conducts an inspection until the inspector closes the case or settles any resulting enforcement action(s). NCDB is the national repository of data from the regional and Headquarters FIFRA/TSCA Tracking Systems (FTTS). **Most of the data collected in FTTS is transferred to NCDB** to support national program management and accomplishment reporting for the following programs:

- * Air
- * Hazardous Waste
- * Modernization/ICIS
- * Multimedia
- * Toxics/Pesticides
- * NCDB/FTTS
- * SSTS
- * Water

- * Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA)
- * Toxic Substance Control Act (TSCA)
- * Emergency Planning and Right-to-Know Act, Section 313 (EPCRA)
- * Asbestos Hazard Emergency Response (AHERA)

For more information on NCDB please contact [James A. Johnson](#) via email at johnson.jamesa@epa.gov.

What information is available?

NCDB/FTTS provides tracking information relating to the following:

- * Inspections
- * Import inspections
- * Sample collection
- * Referrals
- * Case reviews
- * Enforcement actions
- * Settlement conditions
- * State pesticide grant activity



<http://www.epa.gov/Compliance/basics/data.html>

Last updated on Friday, January 2nd, 2009.

Data, Planning and Results

You are here: [EPA Home](#) [Compliance and Enforcement](#) [Basic Information](#) Data, Planning and Results

Data, Planning and Results Basic Information

Overall program objectives and long-term goals for the National Enforcement and Compliance Assurance Program are outlined in the Agency's Strategic Plan. The Government Performance and Results Act (GPRA) requires the Agency to develop a strategic, and update it every three years. The most recent Strategic Plan update occurred in 2003; the Enforcement and Compliance Assurance Program's goals and objectives are contained in Goal 5 - Compliance and Environmental Stewardship of the Strategic Plan. The National Program Manager's (NPM) Guidance sets forth the national priority and core program activities for the enforcement and compliance assurance program. The NPM Guidance is the basis for developing annual agreements between the national program and each regional office, identifying overall program direction, work plans, specific activities, and expected results that support longer-term goals and objectives.

EPA operates and maintains several databases where federal and state enforcement and compliance activities and outcomes can be tracked and reported. The systems support the national Enforcement and Compliance program's reporting of results and measures established in the Strategic Plan and NPM Guidance. In addition, these systems support the day-to-day management of the various environmental enforcement and compliance programs.

Data, Planning and Results Program Offices

The Office of Enforcement and Compliance Assurance (OECA), works in partnership with EPA regional offices, state governments, tribal governments and other federal agencies to collect and analyze data, develop plans and measure results. OECA's Office of Compliance (OC) is the OECA lead on data, planning and results activities. OECA's Office of Planning, Policy Analysis and Communications (OPPAC) handles press related activities and OECA's Office of Civil Enforcement and Federal Facilities Enforcement Office are also involved in these activities.

Region 1 - (ME, NH, VT, MA, RI, CT)

Region 2 - (NY, NJ, PR, VI)

Region 3 - (PA, DE, DC, MD, VA, WV)

Region 4 - (KY, TN, NC, SC, MS, AL, GA, FL)

Region 5 - (MN, WI, IL, MI, IN, OH)

Region 6 - (NM, TX, OK, AR, LA)

Region 7 - (NE, KS, IA, MO)

Region 8 - (MT, ND, WY, SD, UT, CO)

Region 9 - (CA, NV, AZ, HI)

Region 10 - (WA, OR, ID, AK)



<http://www.epa.gov/region09/enforcement/contact.html>

Last updated on Thursday, November 15th, 2007.

Region 9: Compliance and Enforcement

You are here: [EPA Home](#) [Region 9](#) [Compliance and Enforcement](#) [Contact Us](#)

Region 9 Enforcement Contacts

Please use the [EPA Environmental Violations form to report a violation](#)



Jim Grove (grove.jim@epa.gov)
Regional Enforcement Coordinator
EPA Region 9, OPA-1
75 Hawthorne St.
San Francisco, CA 94105
(415) 947-4263

**Region 9 Environmental
Enforcement Results, 2007**



<http://www.epa.gov/region09/enforcement/results/index.html>

Last updated on Thursday, December 4th, 2008.

Region 9: Compliance and Enforcement

You are here: [EPA Home](#) [Region 9](#) [Compliance and Enforcement](#) [Environmental Enforcement Results](#)

Compliance and Enforcement Annual Results

Working with federal, state, and tribal partners, EPA is committed to ensuring compliance with environmental laws to protect public health and our environment and to provide an even economic playing field for the regulated community.



Compliance with environmental laws is essential to reducing pollutants in the environment and protecting the public from exposure to harmful contaminants. This year, EPA brought numerous cases against violators of all sizes, in both the public and private sectors. These actions will result in reduced emissions of harmful air pollutants, fewer discharges of sewage and industrial wastewaters into our waterways, and cleanup of soil and groundwater pollution from historic releases of contaminants. Through these actions, we have also required violators to invest in pollution control to prevent future environmental degradation. We have also assessed civil and criminal penalties to emphasize that non-compliance will not be tolerated.

Region 9 Results By Fiscal Year

- ◆ 2008 Results
- ◆ 2007 Results and video
- ◆ 2006 Results


<http://www.epa.gov/region09/enforcement/results/08/index.html>

Last updated on Friday, December 12th, 2008.

Region 9: Compliance and Enforcement

You are here: [EPA Home](#) [Region 9](#) [Compliance and Enforcement](#) [Environmental Enforcement Results](#) [2008 Results](#)

2008 Region 9 Compliance and Enforcement Annual Results

[Enforcement Results 2008](#)
[Highlights](#)
[Numbers at a Glance](#)
[Data: State-by-State](#)
[Case](#)

EPA, working with our federal, state, and tribal partners, is committed to ensuring compliance with environmental laws to protect public health and our environment and to provide a level economic playing field for the regulated community. Compliance with environmental laws is essential to reducing pollutants in the environment and protecting the public from exposure to harmful contaminants. This year, EPA brought numerous cases against violators of all sizes, in both the public and private sectors. These actions will result in reduced emissions of harmful air pollutants, fewer discharges of sewage and industrial wastewater into our waterways, and cleanup of soil and groundwater pollution from historic releases of contaminants. Through these actions, we have also required violators to invest in pollution control to prevent future environmental degradation. We have also assessed civil and criminal penalties to emphasize that noncompliance will not be tolerated. In 2008, we brought enforcement cases in California, Nevada, Arizona, Hawaii, the Pacific Islands and on many of our tribal lands.

News Releases

- * [Arizona](#)
- * [California](#)
- * [Hawaii](#)
- * [Nevada](#)
- * [Pacific Islands](#)

FY2008 Annual Results Topics

- * [FY2008 Home](#)
- * [Results Charts](#)
- * [Numbers at a Glance](#)
- * [Enforcement Highlights](#)
 - * [Air Enforcement](#)
 - * [Water Enforcement](#)
 - * [Land Enforcement](#)
 - * [Cross-Media Enforcement](#)
- * [Compliance Highlights](#)
 - * [Air Compliance](#)
 - * [Water Compliance](#)
 - * [Land Compliance](#)
 - * [Cross-Media Compliance](#)
- * [Results by Region](#)

Results Information

- [Numbers at a Glance](#)
- [Data: State-by-State](#)

EPA: United States Environmental Protection Agency

[A-Z index](#)

News Releases from Region 9

EPA enforcement actions in Nevada to reduce nearly 8 million pounds of pollution / Agency announces environmental enforcement accomplishments for 2008

Release date: 12/05/2008

Contact Information: Margot Perez-Sullivan, 415.947.4149, perezsullivan.margot@epa.gov

SAN FRANCISCO – The U.S. Environmental Protection Agency's 2008 enforcement actions in Nevada included actions protecting the state's water and land resources.

Nationally, the agency took civil and criminal enforcement actions requiring regulated entities to spend an estimated \$11.8 billion on pollution controls, cleanup and environmental projects, a record for EPA.

"EPA enforcement actions in the state of Nevada will result in a reduction of nearly 8 million pounds of pollution, the clean up nearly 50 million cubic yards of contaminated soil and address nearly 16.6 million pounds of hazardous waste," said Wayne Nastri, the EPA's administrator for the Pacific Southwest region. "In addition, over \$40.6 million will be invested in pollution control and environmental cleanups."

Nevada enforcement highlights for 2008 include:

- **Republic Services** of Southern Nevada, the current operator of the 440-acre Sunrise Mountain Landfill located outside Las Vegas, agreed to construct and operate a comprehensive remedy for the site, estimated to cost \$36 million, and pay a \$1 million civil fine to resolve violations of the Clean Water Act. The landfill cover failed during a series of storms in September 1998, sending waste into the Las Vegas Wash, which discharges directly into Lake Mead, a primary drinking water resource for southern Nevada, including Las Vegas, the lower Colorado River, the Phoenix metro area and southern California. The settlement required Republic Services to implement extensive stormwater controls, an armored engineered cover, methane gas collection, groundwater monitoring, and long-term operation and maintenance. The landfill is unlined and contains more than 49-million cubic yards of waste, including municipal solid waste, medical waste, sewage sludge, hydrocarbon-contaminated soils, asbestos, and construction waste.
- **Electronic Evolution Technologies, Inc.**, of Reno, paid an \$80,000 penalty for failing to submit reports detailing the amounts of lead processed at its facility from 2002 through 2005. Federal Community Right-to-Know laws require facilities processing, manufacturing, or otherwise using more than 100 pounds of lead to report releases of this highly toxic chemical on an annual basis to EPA and the state. Electronic Evolution Technologies exceeded the thresholds, but did not submit reports to the agency for reporting years 2002-2005.
- **PTP, Inc.** a Nevada-based developer was fined \$43,000 for violating its underground injection control permit at the Pineview Estates subdivision in Gardnerville, a violation of the Safe Drinking Water Act. Companies must comply with underground injection control regulations of the Safe Drinking Water Act for wastewater treatment and disposal systems that have the potential to impact subsurface waters. PTP has been working closely with EPA to comply with the UIC permit requirements.

Please go to <http://www.epa.gov/region09/enforcement/results/08/index.html> for a full description of the EPA's enforcement cases throughout California, Arizona, Nevada, Hawaii and the Pacific Islands in 2008.

The report, U.S. EPA OECA Fiscal Year (FY) 2008 Accomplishments Report: Protecting Public Health and the Environment, is available on-line at:

<http://www.epa.gov/compliance/resources/reports/accomplishments/oeca/fy08accomplishment.pdf>

For information on the EPA's national enforcement summary for 2008, go to:
<http://www.epa.gov/compliance/resources/reports/endofyear/eoy2008/fy2008.html>

###

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Recent additions

- 05/13/2009 [EPA: \\$10 Million in Grants for Contaminated Land Cleanup, Economic Development in California / Grant amount bolstered by American Recovery and Reinvestment Act funds \(CA\)](#)
- 05/13/2009 [Port of Long Beach, Ventura County honored by U.S. EPA's Clean Air Excellence Awards Program // City of Tulare, LEHR, Inc. also honored for commitment to clean air \(CA\)](#)
- 05/12/2009 [U.S. EPA and Border Environment Cooperation Commission request proposals for U.S. and Mexico Environmental Border 2012 projects \(CA\)](#)
- 05/11/2009 [EPA: \\$750,000 in Grants for Contaminated Land Cleanup, Economic Development in CNMI / National grant amount bolstered by American Recovery and Reinvestment Act funds \(MP\)](#)
- 05/08/2009 [EPA: \\$200,000 in Grants for Contaminated Land Cleanup, Economic Development in Hawaii \(HI\)](#)



<http://www.epa.gov/TRI/stakeholders/communities/index.htm>

Last updated on Thursday, May 14th, 2009.

Toxics Release Inventory (TRI) Program

You are here: [EPA Home](#) [Toxics Release Inventory \(TRI\) Program](#) [Communities](#)

[TRI Program](#)

[Assistance with TRI Reports](#)

[Communities](#)

[States](#)

[Tribes](#)

TRI for Communities

What is the Toxics Release Inventory (TRI) Program?

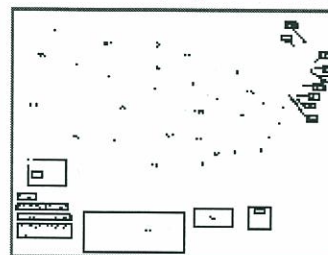
The Toxics Release Inventory (TRI) is a publicly available EPA database that contains detailed information on toxic chemical releases and other waste management activities reported annually by certain covered industry groups as well as federal facilities. This inventory was established under the [Emergency Planning and Community Right-to-Know Act of 1986 \(EPCRA\)](#) and expanded by the Pollution Prevention Act of 1990. The goal of TRI is to empower citizens, through information, to hold companies and local governments accountable in terms of how toxic chemicals are managed.

Armed with TRI data, communities have more power to hold companies accountable and make informed decisions about how toxic chemicals are to be managed in their area. The data often spurs companies to focus on their chemical management practices since they are being measured and made public. In addition, the data serves as a rough indicator of environmental progress over time. EPA compiles the TRI data each year and makes it available through several data access tools, including the [TRI Explorer](#) and [Envirofacts](#).

Questions about how TRI can help communities

- * [How should I use this Web site?](#)
- * [What chemicals are covered in the TRI Program?](#)
- * [What kinds of facilities are covered in the TRI Program?](#)
- * [How do I find out about facilities or chemicals near my home?](#)
- * [Does my state have a TRI program?](#)
- * [What is the Public Data Release \(PDR\)?](#)
- * [What are the benefits of TRI data?](#)
- * [What is TRI Explorer?](#)
- * [What is Envirofacts?](#)
- * [What is the eFDR?](#)
- * [Why would I use TRI Explorer or Envirofacts?](#)
- * [How do I find information about EPA's annual TRI National Training Conference?](#)

Community Quick Links



TRI Explorer:

If you want information about toxic chemical releases in your neighborhood enter your Zip code here:

Click here to access a Web-based tutorial to use TRI Explorer more effectively.

What is TRI?

- * [Communities' right-to-know](#)
- * [TRI program fact sheet](#)
- * [Frequent questions](#)

Using TRI data

- * [Data user resource guide.](#)
- * [EPA's analysis of the most recent TRI data](#)
- * [Obtain TRI data](#)
- * [Do your own analysis of TRI data](#)
- * [Envirofacts-single point of access to EPA data](#)
- * [Additional information on toxic chemicals from the National Library of Medicine](#) [EXIT Disclaimer](#)

How should I use this Web site?

The Communities section of the TRI Web site is designed to provide communities and the general public with basic information about the TRI program. This site also provides a description of and access to the various tools made available for communities to find out what TRI chemicals and covered facilities are in their area.

What chemicals are covered in the TRI Program?

The current TRI chemical list contains 581 individually listed chemicals and 30 chemical categories (including 3 delimited categories containing 58 chemicals).

What kinds of facilities are covered in the TRI Program?

The TRI data are collected from facilities in industries including manufacturing, metal and coal mining, electric utilities, commercial hazardous waste treatment, petroleum terminals, chemical distributors, and solvent recovery services. A list of the TRI-covered North American Industry Classification System codes is available on the TRI Web site.

How do I find out about facilities or chemicals near my home?

To find more information on TRI covered facilities and chemicals near your home, please use TRI Explorer. Simply enter your zip code for a list of facilities and chemicals in your area. You may also review the information available at the What is happening in my neighborhood? section of this Web site.

Does my state have a TRI program?

EPCRA Section 313 requires TRI facilities to submit reports to both EPA and their State. Many States have their own State TRI programs.

What is the Public Data Release (PDR)?

Each spring, EPA releases information to the public on annual toxic chemical releases and other waste management activities that have been submitted to the Agency as required by section 313 of the Emergency Planning and Community Right-to-Know Act (EPCRA). Data for a particular year are submitted to EPA within six months of the end of that Reporting Year

and then analyzed and released to the public within 8-10 months after being submitted to EPA. The Public Data Releases (PDR) includes a PDR Brochure which provides a quick overview of the annual TRI data and a PDR eReport which provides additional information on data trends. The eReport includes a "Summary of Key Findings" and tables and charts with data sorted and ranked by state, industry, chemical and other select categories.

What are the benefits of TRI data?

TRI provides the public with unprecedented access to information about toxic chemical releases and other waste management activities on a local, state, regional, and national level. TRI data help the public, government officials, and industry in the following ways:

- to identify potential concerns and gain a better understanding of potential risks
- to identify priorities and opportunities to work with industry and government to reduce toxic chemical disposal or other releases and potential risks associated with them
- to establish reduction targets and measure progress toward those targets.

TRI data are widely used across EPA programs. For example, the National Partnership for Environmental Priorities, an element of the Resource Conservation Challenge (RCC), uses TRI data to identify facilities that may present pollution prevention opportunities. EPA also uses TRI data in the Risk Screening Environmental Indicator (RSEI) tool, which provides users with additional understanding of chronic human health issues and potential exposures associated with TRI chemicals. Other EPA programs and tools that utilize TRI data may be searched by visiting EPA's Web site or from EPA's publication, *How are the Toxics Release Inventory Data Used?*

What is TRI Explorer?

TRI Explorer is a database tool that provides access to the Toxics Release Inventory (TRI) to help communities identify facilities and chemical releases or other waste management activities that warrant further study and analysis. Combined with hazard and exposure information, *TRI Explorer* can be a valuable tool for identifying potential chemical hazards in communities.

What is Envirofacts?

Envirofacts provides an easy point of Internet access to select U.S. EPA environmental data. This Web site provides access to several EPA databases that contain information about environmental activities that may affect air, water, and land anywhere in the United States. With Envirofacts, users can learn more about these environmental activities in their area or generate maps of environmental information.

Information in Envirofacts is accessible in a variety of ways from the TRI homepage. We

suggest that users unfamiliar with Envirofacts begin with Quick Start. This feature allows the user to retrieve a sampling of information pertaining to an area by entering a specific zip code, city and state, or county and state. If users want more in-depth information about a particular subject area, they may select from a list of available topics, which includes waste, water, toxics, air, radiation, land, other, and maps. Experienced users, however, may be interested in the Advanced Capabilities option. This option allows users to go directly to the Queries, Maps, or Reports feature that interests them.

What is the eFDR?

The Electronic Facility Data Release (eFDR) is an annual early facility-level release of the TRI data. These data are typically released a few months prior to the annual TRI Public Data Release (PDR) and are available through Envirofacts. Only local level data, one facility at a time can be accessed through the eFDR. National, aggregate data are released a few months later as part of the PDR. Once the TRI data are made available in the annual PDR, the eFDR data are no longer made available.

Why would I use TRI Explorer or Envirofacts?

TRI Explorer allows users to create custom data searches of TRI data. These searches can then be exported to a Microsoft Excel spreadsheet. Users can find TRI data for their zip code, county, and state. National-level data are also easily queried through TRI Explorer.

With Envirofacts, users can determine which facilities in designated areas have reported toxic releases, including air emissions, surface water discharges, releases to land, underground injections, and transfers to off-site locations. Envirofacts allows the user to query and view all fields for each TRI Form R submitted by a facility.

Why would I use TRI Explorer or Envirofacts?

Envirofacts is used to provide basic descriptive information about facilities or sources of pollutants, however, more advanced queries that provide pollutant or emissions levels or quantities of waste require an in depth understanding of database design and function.

TRI explorer is primarily used to identify facilities and chemical disposal or other release patterns in your community that have reported to TRI. However, this TRI data only reflects disposal quantities, releases and other waste management options for chemicals, and not exposures of the public to those chemicals. TRI data alone is not sufficient to determine exposure or to calculate potential adverse effects on human health and the environment.



Envirofacts Data Warehouse

<http://www.epa.gov/enviro/>
Last updated on Tuesday, May 12th, 2009.

You are here: [EPA Home](#) Envirofacts

Quick Start! Enter geography of your choice.

(e.g. City, County, Place of Interest)

GO

News Flash

The Toxic Release Inventory (TRI) 2007 Data has been released. For further details please visit the TRI Web site.

Data Update

Recent Updates

- AIRS Facility Subsystem (AIRS/AFS) - 04/18/2009
- Permit Compliance System (PCS) - 04/16/2009
- Resource Conservation and Recovery Act (RCRAInfo) - 04/14/2009
- Safe Drinking Water (SDWIS) - 04/13/2009

Other Services

- TRI eFDR
- Geospatial Download

Technical Users

- Open Link Wizard
- OpenLink
- Accessing the Envirofacts Database

[Envirofacts Topics](#)

[About the Data](#)

[Maps](#)

[Queries](#)



Air



Water



Waste



Land



Toxics



Radiation



Facility



Other



Compliance



http://oaspub.epa.gov/enviro/ef_home2.toxics
Last updated on Friday, May 15th, 2009.

Envirofacts Data Warehouse

You are here: [EPA Home](#) [Envirofacts](#) [Toxics](#)



Toxics

Envirofacts

What facilities in my area of interest have toxic releases?

ZIP Code
 City, State Abbr.
 County, State Abbr.

The Toxics Release Inventory (TRI) contains information about more than 650 toxic chemicals that are being used, manufactured, treated, transported, or released into the environment. With Envirofacts, you can determine which facilities in your area of interest have reported toxic releases, including air emissions, water surface water discharges, releases to land, underground injections, and transfers to off site locations.

i_maged=1&retrieve?

=NV&all_programs=YES&program_search=1&report=1&page_no=1&output_set_switch=TRUE&database_type=TRIS

Toxics Release Inventory (TRI)

Last updated on Friday, May 15th, 2009.

You are here: [EPA Home](#) [Envirofacts](#) [TRI](#) [Query Results](#)

Query Results

Report
an
Error**Consolidated facility information (from multiple EPA systems) was searched to select facilities****County Name:** Nye**State Abbreviation:** NV

Results are based on data extracted on MAR-19-2009

Note:

Click on the underlined TRI_FACILITY_ID value to view a detailed report on the facility.

Click on "View Facility Information" to view EPA Facility information for the facility.

Click on the underlined SUBMISSIONS value to view the list of DCN's for each of the TRI Reporting Year.

[Go To Bottom Of The Page](#)**List of EPA-Regulated Facilities in TRI**

TRI FACILITY ID	FACILITY INFORMATION	FACILITY NAME	ADDRESS	COUNTY NAME	SUBMISSIONS
89003BRRCKHWY37	View Facility Information	BARRICK BULLFROG INC	4 MI W OF BEATTY ON HWY 374 W BEATTY, NV 89003	NYE	21
89003GLMSD5MILE	View Facility Information	DAISY GOLD MINING COMPANY	FLUORSPAR CANYON ROAD BEATTY, NV 89003	NYE	5
89049QTRLTGABBS	View Facility Information	EQUATORIAL TONOPAH INC	US 95 NORTH TONOPAH, NV 89049	NYE	30
89049FRLNDHWY66	View Facility Information	FORELAND REFINING TONOPAH REFINERY	HIGHWAY 6 AT TONOPAHA AIRPORT TONOPAH, NV 89049	NYE	25
89048LSVGSWHEEL	View Facility Information	LAS VEGAS PAVING	WHEELER PASS RD PAHRUMP,	NYE	1

			NV 89048		
89041SRVCR291CH	View Facility Information	PAHRUMP PLANT	2091 CHRISTINE WAY PAHRUMP, NV 89041	NYE	4
89045SMKYV1SMOK	View Facility Information	SMOKY VALLEY COMMON OPERATION	1 SMOKY VALLEY MINE ROAD ROUND MOUNTAIN, NV 89045	NYE	102
89049SDSND1TONO	View Facility Information	U.S. DOE SANDIA NATIONAL LABORATORIES NV - SANDIA CORP	1 TONOPAH TEST RANGE TONOPAH, NV 89049	NYE	7
89023SDYCCFIELD	View Facility Information	U.S. DOE YUCCA MOUNTAIN PROJECT SITE	FIELD OPERATIONS CENTER AREA 25 NEVADA TEST SITE MERCURY, NV 89023	NYE	1
89023SDNVDUSHWY	View Facility Information	US DEPT OF ENERGY NEVADA TEST SITE	NEVADA TEST SITE HIGHWAY 95 MERCURY, NV 89023	NYE	8
89003SCLGYHWY95	View Facility Information	US ECOLOGY INCORPORATED	HIGHWAY 95 BEATTY, NV 89003	NYE	207

[Go To Top Of The Page](#)

Total Number of Facilities Displayed: 11

http://www.epa.gov/enviro/html/pcs/pcs_query.html

Last updated on Friday, April 10th, 2009.

Water Discharge Permits (PCS)

You are here: [EPA Home](#) | [Envirofacts](#) | [PCS](#) | Water Discharge Permits Query Form

PCS

Query Form

Search the PCS Database

The Water Discharge Permits Query Form allows you to retrieve selected data from the Permit Compliance System (PCS) database in Envirofacts regarding facilities holding National Pollutant Discharge Elimination System (NPDES) permits. Specify the facilities by using any combination of facility name, geographic location, standard industrial classification, and chemicals. You may also select an output option.

[User's Guide](#)

Facility Selection

Facility Identification:Facility Identification Option Value: Beginning With Exact Match Containing

Geography Search

Enter a partial value for any geography option except for the state value. We strongly recommend that you enter a small geographical area to begin the search since Envirofacts contains a large number of facilities.

ZIP Code: **Address:** Beginning With Exact Match Containing**City:** **County:** **State:** **EPA Region:**

Standard Industrial Classification (SIC) Search

Enter the Standard Industrial Classification or lookup the appropriate SIC code by pressing the "Lookup SIC Code" button. If both SIC Code and SIC Code Description are entered, only SIC Code will be used in the search.

Standard Industrial Classification (SIC):**Standard Industrial Classification Code:**

- Use FRS SIC Code Values Use PCS SIC Code Values

Parameter (Chemical) Name Search:

Enter the Parameter (Chemical) Name or lookup the appropriate Parameter Code by clicking on the "Lookup Parameter Code" button.

Parameter Code Name:

- Beginning With Exact Match Containing

Parameter Code:**Permit Expired Date Search:**

Enter a Permit Expired Date range. The format is *MMDDYYYY*, where *MM* indicates month, *DD* indicates day, and *YYYY* indicates year (e.g., month = 06, day = 21, year = 1995).

	Month	Day	Year	Month	Day	Year
From:	<input type="text"/>	<input type="text"/>	<input type="text"/>	To:	<input type="text"/>	<input type="text"/>

Permit Issued Date Search:

Enter a Permit Issued Date range. The format is *MMDDYYYY*, where *MM* indicates month, *DD* indicates day, and *YYYY* indicates year (e.g., month = 06, day = 21, year = 1995).

	Month	Day	Year	Month	Day	Year
From:	<input type="text"/>	<input type="text"/>	<input type="text"/>	To:	<input type="text"/>	<input type="text"/>

Major Dischargers Only

Search Values

- Use Multisystem facility information to perform facility search
 Use PCS facility information only to perform facility search

Output Selection

- Basic Facility Information
- Permitted Discharges Information

Search

Clear



Water Discharge Permits (PCS)

You are here: [EPA Home](#) [Envirofacts](#) [PCS](#) [Query Results](#)



Query Results

Report an Error

Consolidated facility information (from multiple EPA systems) was searched to select facilities

County Name: Nye
State Abbreviation: NV
EPA Region Code: 9

Results are based on data extracted on MAY-13-2009

Note: Click on the underlined CORPORATE LINK value for links to that company's environmental web pages. Click on the underlined MAPPING INFO value to obtain mapping information for the facility. Click on the underlined NPDES value to view detailed reports on the facility.

[Go To Bottom Of The Page](#)

Facility Information

NPDES ID	Facility Information	FACILITY NAME	ADDRESS	COUNTY NAME	PERMIT ISSUED DATE	PERMIT EXPIRED DATE	SIC CODE	SIC DESC	MAPPING INFO	USGS HUC
NVU000031	View Facility Information	BEATTY WATER & SANITATION DIST	1300 A AVE N BEATTY, NV 89003	NYE					MAP	
NVU000071	View Facility Information	FUNERAL MOUNTAIN RANCH	CASADA ROAD AMARGOSA VALLEY, NV 89020	NYE					MAP	
NVU000070	View Facility Information	JOE'S SANITATION SITE	851 S LOLA LANE PAHRUMP, NV 89048	NYE			4952	SEWERAGE SYSTEMS	MAP	
NVA000040	View Facility Information	PAHRUMP DAIRY	PAHRUMP COUNTY PAHRUMP, NV 89041	NYE			0241	DAIRY FARMS	MAP	
NVU000069	View Facility Information	PAHRUMP LANDFILL	1631 E MESQUITE AVE PAHRUMP, NV 89041	NYE			4952	SEWERAGE SYSTEMS	MAP	
NV0023027	View Facility Information	PONDEROSA DAIRY	TOWNSHIP 17 S RANGE 49 E SECTION 9, 10 & 15 AMARGOSA VALLEY, NV 89020	NYE	FEB-28-2002	JUN-16-2005	0241	DAIRY FARMS	MAP	
NVU000033	View Facility Information	REYNOLDS ELECTRICAL & ENGR	2501 WYANDOTTE STREET MERCURY, NV 89023	NYE					MAP	
NVU000013	View Facility Information	TONOPAH PUBLIC UTIL	102 BURRO AVE TONOPAH,	NYE					MAP	

		NV 89049							
--	--	----------	--	--	--	--	--	--	--

[Go To Top Of The Page](#)

Total Number of Facilities Displayed: 8

http://www.epa.gov/enviro/fii_query_dtl_disp_program_facility?pgm_sys_id_in=NV3890090001&pgm_sys_acrnm_in=RCRAINFO
 Last updated on Thursday, May 14th, 2009.



Facility Registry System (FRS)

You are here: [EPA Home](#) [Envirofacts](#) [FRS](#) [Report](#)



FRS

Facility Detail Report

Report an Error

Facility Name:	US DEPT OF ENERGY NEVADA TEST SITE
Location Address:	NEVADA TEST SITE HIGHWAY 95
Supplemental Address:	
City Name:	MERCURY
State:	NV
County Name:	NYE
ZIP/Postal Code:	89023
EPA Region:	09
Congressional District Number:	02
Legislative District Number:	
HUC Code:	16060014
Federal Facility:	YES
Federal Agency:	DOE - NATIONAL NUCLEAR SECURITY ADMINISTRATION
US Mexico Border Indicator:	NO
Tribal Land :	NO
Latitude:	36.985282
Longitude:	-116.189275
Method:	INTERPOLATION-MAP
Reference Point Description:	UNKNOWN
Duns Number:	
Registry ID:	110001136716

Map this facility

Environmental Interests

Information System	Information System ID	Environmental Interest Type	Data Source	Last Updated Date	Supplemental Environmental Interests:
AIRS/AFS	32023N0549	AIR SYNTHETIC MINOR ()	AIRS/AFS	05/04/2007	
CERCLIS	NV1890090011	SUPERFUND	CERCLIS		
ICIS	600036468	ENFORCEMENT/COMPLIANCE ACTIVITY	ICIS	10/11/2007	
NCDB	D09#09-90-197-01-WR	COMPLIANCE ACTIVITY	NCDB		
NEI	NEI2NVT18230	CRITERIA AND HAZARDOUS AIR POLLUTANT INVENTORY	NEI		
NEI	NEINV0230500	CRITERIA AND HAZARDOUS AIR POLLUTANT INVENTORY	NEI		
NEI	NEINV0230502	CRITERIA AND HAZARDOUS AIR POLLUTANT INVENTORY	NEI		

NEI	NEINV0230504	CRITERIA AND HAZARDOUS AIR POLLUTANT INVENTORY	NEI		
RADINFO	RAD200000082	RAD NESHAPS	RADINFO		
RADINFO	RAD200000082	RAD WIPP	RADINFO		
RCRAINFO	NV3890090001	CORRECTIVE ACTION (ACTIVE)	RCRAINFO	03/03/2008	
RCRAINFO	NV3890090001	OTHER HAZARDOUS WASTE ACTIVITIES (ACTIVE)	RCRAINFO	03/03/2008	
RCRAINFO	NV3890090001	UNIVERSAL WASTE HANDLER (ACTIVE)	RCRAINFO	03/03/2008	
RCRAINFO	NV3890090001	HAZARDOUS WASTE BIENNIAL REPORTER (ACTIVE)	RCRAINFO	12/31/2005	
RCRAINFO	NV3890090001	LQG (ACTIVE)	EPA INSPECTION	03/03/2008	
RCRAINFO	NV3890090001	TSD (ACTIVE)	EPA INSPECTION	03/03/2008	
RCRAINFO	NV3890090001	USED OIL PROGRAM (ACTIVE)	RCRAINFO	03/03/2008	
TRIS	89023SDNVDUSHWY	TRI REPORTER	TRI REPORTING FORM	06/24/2008	

Facility Mailing Addresses

Affiliation Type	Delivery Point	City Name	State	Postal Code	Information System
FACILITY MAILING ADDRESS	SECTION 13, T 10S, R 52E	MERCURY	NV		AIRS/AFS
FACILITY MAILING ADDRESS	PO BOX 98518	LAS VEGAS	NV	89193	RCRAINFO
FACILITY MAILING ADDRESS	PO BOX 435	MERCURY	NV	89023	TRIS
OPERATOR	MERCURY HWY & HARDTACH AVE	MERCURY	NV	89023	RCRAINFO
OPERATOR	PO BOX 98518	LAS VEGAS	NV	89193	RCRAINFO
OPERATOR	MERCURY HWY & HARDTACK AVE	MERCURY	NV	89023	RCRAINFO
REGULATORY CONTACT	PO BOX 98518	LAS VEGAS	NV	89193	RCRAINFO
OWNER	PO BOX 98518	LAS VEGAS	NV	89193	RCRAINFO

NAICS Codes

Data Source	NAICS Code	Description	Primary
RCRAINFO	92811		

SIC Codes

Data Source	SIC Code	Description	Primary
TRIS	9711	NATIONAL SECURITY	
NEI	9711	NATIONAL SECURITY	
AIRS/AFS	9711	NATIONAL SECURITY	
TRIS	9511	AIR AND WATER RESOURCE AND SOLID WASTE MANAGEMENT	

NEI	9711	NATIONAL SECURITY	
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Contacts

Affiliation Type	Full Name	Office Phone	Information System	Mailing Address
COMPLIANCE CONTACT	CHARLES W SAYLOR	7022951146	AIRS/AFS	
REGULATORY CONTACT	FRANK DISANZA	702-295-5855x	RCRAINFO	View
PUBLIC CONTACT	KEVIN J. ROHRER	7022950197	TRIS	
PERMITTING CONTACT			RCRAINFO	

Organizations

Affiliation Type	Name	DUNS Number	Information System	Mailing Address
OWNER	U. S GOVERNMENT		RCRAINFO	View
OPERATOR	NATIONAL SECURITIES TECHNOLOGIES LLC		RCRAINFO	View
OWNER	USDOE NNSA		RCRAINFO	View
OWNER	U. S. GOVERNMENT		RCRAINFO	View
OPERATOR	US DEPT OF ENERGY		RCRAINFO	View
OPERATOR	USDOE NEVADA TEST SITE		RCRAINFO	View

Alternative Names

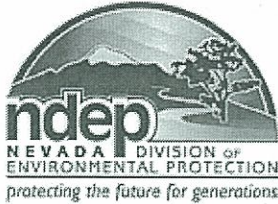
Alternative Name	Source of Data
BECHTEL NV FOR USDOE NTS	RADINFO
US DEPARTMENT OF ENERGY	AIR VOLUNTARY SUBMISSION
U.S. DOE NNSA/NSO NEVADA TEST SITE	NEI
U.S. DOE NEVADA TEST SITE	TRIS
USDOE NEVADA TEST SITE	NJ-NJEMS
BECHTEL NEVADA FOR USDOE NEVADA TEST SITE	MANUAL ENTRY

Query executed on: MAY-14-2009

Additional information for CERCLIS or TRI sites:

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* National Library of Medicine (NLM)  [TOXMAP](#)

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State of Nevada
Nevada Division of Environmental Protection
Bureau of Waste Management

901 So. Stewart Street, Suite 4001, Carson City NV 89701-5249

Solid Waste Branch

[Solid Waste Management Plan HTML](#)

The purpose of the Solid Waste Branch is stated in a declaration of state policy in the Nevada Revised Statutes: NRS 444.440 Declaration of state policy. It is hereby declared to be the policy of this state to regulate the collection and disposal of solid waste in a manner that will:

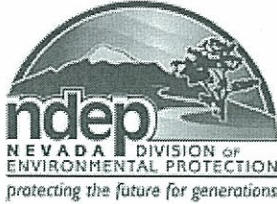
1. Protect public health and welfare.
2. Prevent water or air pollution.
3. Prevent the spread of disease and the creation of nuisances.
4. Conserve natural resources.
5. Enhance the beauty and quality of the environment.

In addition to implementing regulations governing the "Collection and Disposal of Solid Waste", as laid out in NRS Chapter 444, the Solid Waste Branch also has responsibilities under Chapter 444A, "Programs for Recycling".



Solid Waste — Program Links

- ▶ [About Solid Waste Management](#)
- ▶ [Solid Waste Management Plan](#)
- ▶ [Guidance Documents](#)
- ▶ [Solid Waste Facility Map](#)
- ▶ [Solid Waste Forms](#)
- ▶ [Solid Waste Facility Inventory](#)
- ▶ [PowerPoint Presentations](#)
- ▶ [Special Waste Management](#)
- ▶ [Statutes and Regulations](#)
- ▶ [Recycling Home Page](#)
- ▶ [External Links Page](#)
- ▶ [Illegal Dumping](#)
- ▶ [Rawhide Landfill](#)
- ▶ [Recycling And Solid Waste](#)




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State of Nevada
Nevada Division of Environmental Protection
Bureau of Waste Management

901 So. Stewart Street, Suite 4001, Carson City NV 89701-5249

Solid Waste Facilities

The solid waste infrastructure in Nevada includes a network of landfills, transfer stations, public waste bins, household hazardous waste collection facilities, and recycling centers or drop off facilities. The files below present the information on the facilities we have available for distribution.

-
- ▶ [Permitted Solid Waste Facilities \(with interactive map\)](#)
 - ▶ [Proposed Solid Waste Facilities](#)
 - ▶ [Transfer Stations & Waste Bins \(with interactive map\)](#)
 - ▶ [Open Landfill Inventory with Facility Contact](#)  [Adobe File](#)
 - ▶ [Open Solid Waste Facility Inventory](#)  [Excel File - February 4, 2009](#)
 - ▶ [Closed Solid Waste Facility Inventory](#)  [Note: Closed facility data only represents data we currently have in our database. Excel File - February 4, 2009](#)
-

[Home Page – Solid Waste](#)
[Home Page – Waste Management](#)

[Site Index -- Topic Index](#)
[NDEP Home Page](#)



Last updated 03/23/2009 13:54:07

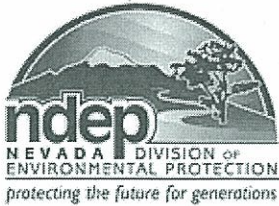
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State of Nevada
 Nevada Division of Environmental Protection
Bureau of Waste Management

901 So. Stewart Street, Suite 4001, Carson City NV 89701-5249

Permitted Solid Waste Facilities

This Page is Under Development

The Nevada Division of Environmental Protection, Bureau of Waste Management oversees the Permitting of Solid Waste Landfills and other waste management facilities within the state of Nevada. The counties of Clark and Washoe administer permitting programs for landfills and waste management facilities within their jurisdiction.

At right is an interactive Google map of most Nevada permitted landfills; For specific detailed information for each facility see the links in the tables below.



Information On this Page

- Nevada [Balance of State] Solid Waste Facilities
- Nevada [Statewide] Compost Facilities
- Southern Nevada Health District [Las Vegas] Solid Waste Facilities
- Washoe County Health District [Reno] Solid Waste Facilities
- Class Definitions [Solid Waste Laws & Regulations]
- Recycling Website [External Link to Nevada Recycles.gov]

Email Contact 
 Ph: (775) 687-9477

Nevada Solid Waste Landfills

Contact Us -- Nevada Division of Environmental Protection

Landfill Name & Operator	Regulatory Status & Class Definitions*	Landfill Location by Nevada County
Carson City Sanitary Landfill Carson City Public Works	Operating - Class III & I Permitted	Carson City Independent City
Russell Pass Landfill City of Fallon	Operating - Class I Permitted	City of Fallon Churchill County
Elko City Landfill City of Elko	Operating - Class I Permitted	Elko Nevada Elko County
West Wendover City of Wendover	Operating - Class II Permitted	Wendover Elko County

Goldfield Sanitary Esmeralda County	Operating - Class II Permitted	Goldfield Esmeralda County
Eureka Sanitary Landfill Eureka County Public Works	Operating - Class II Permitted	City of Eureka Eureka County
TS Power Plant Landfill Newmount, Nevada Energy Investment	Operating - Class III Permitted	Eureka County
Humboldt County Regional Landfill Humboldt County	Operating - Class I Permitted	Winnemucca Humboldt County
North Valmy Station Fly ash (Nevada Power)	Operating - Class III Permitted	Valmy Nevada Humboldt County
New Austin Landfill Lander County	Class II, Post Closure Permit	Austin Lander County
Battle Mountain Landfill Lander County Public Works	Operating - Class II Permitted	Battle Mountain Lander County
Copper Basin Landfill Newmount Mining	Operating - Class III Post Closure Permit	Rural Lander County
Crestline Landfill NORCAL Waste Systems	Operating - Class II & I Permitted	Lincoln County
Western Elite Landfill Western Elite	Operating - Class III Permitted	Lincoln County
Mesquite Municipal Waste Landfill City of Mesquite	Operating - Class I Permitted	City of Mesquite Lincoln County
Dry Lake Site Rural Area	Not Operating	Lincoln County
Hawthorne Landfill Hawthorne Utilities	Operating - Class I Permitted	City of Hawthorne Mineral County

Hawthorne Landfill Hawthorne Army Depot	Operating - Class III Permitted	Hawthorne Mineral County
Rawhide Landfill Nevada Resource Recovery	Not Operating - Class I Permitted	Central Mineral County Mineral County
Pahrump Valley Landfill Nye County	Operating - Class I Permitted	Pahrump Nevada Nye County
Round Mtn SW Disposal Site Nye County	Operating - Class II Permitted	Round Mountain Nye County
Tonopah Landfill Nye County	Operating - Class II Permitted	Tonopah Nye County
Tonopah Test Range 99 CES/CEVC	Operating - Class II Permitted	Tonopah Test Range Nye County
Nevada Test Site Area 23 DOE NNSA	Operating - Class II Permitted	Nevada Test Site Nye County
Nevada Test Site U10c DOE NNSA	Operating - Class II Permitted	Nevada Test Site Nye County
Nevada Test Site Area 6 Hydrocarbon DOE NNSA	Operating - Class III Permitted	Nevada Test Site Nye County
Nevada Test Site Area 5 Asbestiform Landfill DOE NNSA	Operating - Class III Permitted	Nevada Test Site Nye County
Pershing County Landfill Pershing County	Operating - Class II Permitted	Lovelock Pershing County
Lockwood Regional Landfill Waste Management of Nevada	Operating - Class I Permitted	Lockwood Story County

Ely Landfill City of Ely	Operating - Class I & III Permitted	City of Ely White Pine County
White Pine Energy Station (WPES)	Class III disposal site	White Pine County

Nevada Compost Facilities

Compost Site Name & Operator	Regulatory Status & Class Definitions*	Compost Site Location by Nevada County
NNCC Compost Plant Full Circle Compost	Compost Facility Operating - Permitted	Carson City, Nevada Carson City
Bently Agrowdynamics Compost Facility Bently Compost Plant	Compost Facility Operating - Permitted	Rural Douglas County Douglas County
Genoa Trees & Landscaping Genoa PC	Compost Facility Operating - Permitted	Rural Douglas County Douglas County
Wendover Compost Facility City of West Wendover Public Works Dept.	Compost Facility Operating - Permitted	West Wendover Elko County
Ponderosa Dairy	Compost Facility Operating - Permitted	Pahrump Nevada Nye County
Nevada Forest Products Nevada Forest Products	Compost Facility Operating - Permitted	Las Vegas Clark County

Nevada Solid Waste Landfills

Contact Us -- Southern Nevada Health District

Landfill Name & Operator	Regulatory Status & Class Definitions*	Landfill Location by Nevada County
-----------------------------	---	---------------------------------------

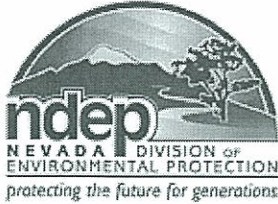
Laughlin Landfill Republic Services, Inc	Operating - Class I Permitted	Laughlin Nevada Clark County
Apex Regional Landfill Republic Services, Inc	Operating - Class I Permitted	Las Vegas Valley Clark County
Boulder City Landfill Bolder City Disposal	Operating - Class I Permitted	Bolder City Clark County
NPC/Reid Gardner Fly ash Disposal Nevada Power Company	Operating - Class III Permitted	Rural Clark County Clark County
Mojave Generating Station S. CAL. Edison	Operating - Class III Permitted	Rural Clark County Clark County
Timet J-2 Landfill Timet	Operating - Class III Permitted	Las Vegas Valley Clark County
Wells Cargo Industrial Landfill Wells Cargo	Operating - Class III Permitted	Las Vegas Valley Clark County
Nellis AFB Industrial Landfill Nellis AFB	Operating - Class III Permitted	Las Vegas Valley Clark County
Southern Nevada Water Authority Southern Nevada Water Authority	Operating - Class III Permitted	Las Vegas Valley Clark County

Nevada Solid Waste Landfills
Contact Us -- Washoe County Health District

Landfill Name & Operator	Regulatory Status & Class Definitions*	Landfill Location by Nevada County
None at this time	N/A	N/A



Last updated 04/23/2009 08:36:38

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State of Nevada

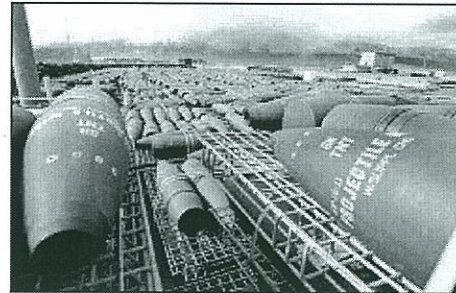
Nevada Division of Environmental Protection

Bureau of Waste Management

901 So. Stewart Street, Suite 4001, Carson City NV 89701-5249

Hawthorne Army Depot

Ms. Yvonne Downs, Manager
Environmental Services Division
Day & Zimmermann Hawthorne Corporation
2 South Maine Ave.
Hawthorne, NV 89415-9404
(775) 945-7583
E-mail: yvonne.downs@us.army.mil



EPA ID#: (Main Base) NV1210090006;
(New Bomb) NV5210090010

Permits:

(Main Base) NEVHW0017 (Revision 1): (Expires 10/2009)
(New Bomb) NEVHW0020: (Expires 3/2011)

Nevada Test Site

Mr. Kenneth Small
RCRA Program Manager
Waste Management Division
U.S. Department of Energy
National Nuclear Security Administration
Nevada Site Office
P.O. Box 98518
Las Vegas, NV 89193-8518
EPA ID# NV3890090001
(702) 295-1933
E-mail: small@nv.doe.gov

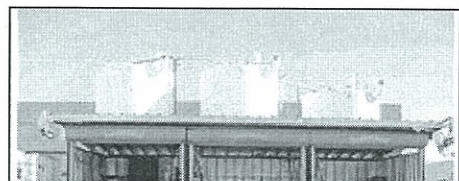


EPA ID#: NV3890090001

Permit#: NEVHW0021 (Expires 12/2010)

Safety-Kleen

Mr. David Huntsman, General Manager
4582 Donovan Way
N. Las Vegas, NV 89081
(702) 657-2300



Regulatory Contact: Mr. Neil Smith

E-mail: neil.smith@safety-kleen.com

EPA ID#: NVR000066837**Permit#:** NEVHW0022 (Expires 7/2011)

21 Century EM, LLC

Ms. Marie Weinheimer, Facility Manager

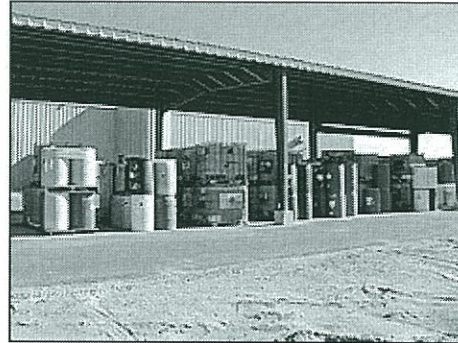
2095 E. Newlands

P.O. Box 1075

Fernley, NV 89408

(775) 575-2760

E-mail: mariew@pscnw.com

EPA ID# NVD980895338**Permit#:** NEVHW0018 (Revision 4) (Expires 10/2009)

US Ecology

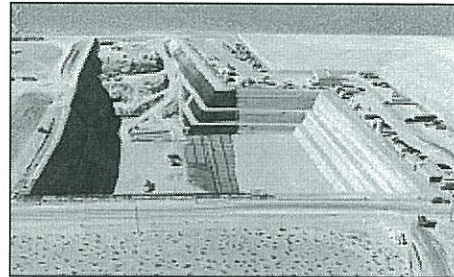
Mr. Bob Marchand, Facility General Manager

P.O. Box 578

Beatty, NV 89003

(800) 239-3943

E-mail: bmarchand@americanecology.com

EPA ID# NVT330010000**Permit#:** NEVHW0019 (Revision 2) (Expires 4/2010)

Basic Remediation Company (BRC)

Mr. Ranjit (Ron) Sahu

875 W. Warm Springs Rd.

Henderson, NV 89015

(702) 567-0400

E-mail: sahuron@earthlink.net

EPA ID# NVR000082255**Permit#:** CAMU Lanfill Permit (Expires 9/2012)

Home Page – Hazardous Waste
Home Page – Waste Management

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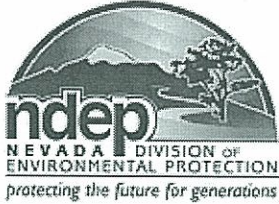
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State of Nevada

Nevada Division of Environmental Protection

Bureau of Corrective Actions

901 So. Stewart Street, Suite 4001, Carson City NV 89701-5249

Underground Tank Program

Program Administration — NDEP administers the Underground Storage Tank (UST) Program for the State. Clark County Health District and Washoe County District Health Department perform UST inspections in their jurisdictions via inter-local contracts with the NDEP. In all other counties the NDEP performs UST inspections. Contact information for the NDEP and counties is provided below.

▶ [Get your Nevada Tank Registration Form \(EPA 7530-1\)](#)



▶ [UST Contact information](#)

▶ [UST Regulations Information](#)

▶ [Testing and Working on UST Systems](#)

▶ [Notification Requirements](#)

▶ [How Do You Close Tanks?](#)

▶ [Permits Required](#)

▶ [Heating Oil Tank Facts](#)

▶ [Underground Storage Tank Lists](#)

▶ [Leaking Tank Lists](#)

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Last updated 05/07/2009 14:56:47

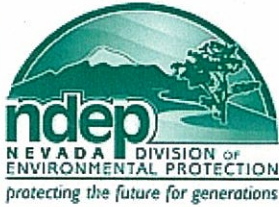
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State of Nevada

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Data Downloads

Federally Regulated Underground Storage Tanks (UST) Lists Corrective Actions / Leaking Underground Storage Tank List

This page contains links to a database for Federally Regulated Underground Storage Tanks (UST) and a database for Remediation and Leaking Underground Storage Tank Cases which is known as our Project Tracking or "PT" Database. See our [PT Data Fact Sheet](#) for important information on interpreting this data. All tables are linkable by facility ID field. Additional information on the data fields is available in the [readme.txt](#) file. MS Excel tables may be "imported" into MS Access to create a usable database.

Corrective Actions / Leaking Underground Storage Tanks (LUST)

Also known as our Project Tracking or "PT" Database. See our [PT Data Fact Sheet](#) for important information on interpreting this data

Users Note: (1) Open html file and save to desktop. (2) Open the html file in MS Excel.

- [Active Cases as of April 6th, 2009 \(430KB\)](#)
- [Confirmed Release Cases Closed Between 01/01/1990 And 04/06/2009 \(4MB HTML file\)](#)

Disclaimer: PT Snapshot is updated quarterly. NDEP is not responsible for resulting inaccuracies reflected in the snapshot. If you need more up-to-date information please call the [Bureau of Corrective Actions](#) and ask to speak to a case officer.

Federally Regulated Underground Storage Tanks (UST)*

*Some of the storage tanks included in the "Tank" list are not federally regulated USTs. These tanks are identified under the "Federally Regulated Tank" column as "FALSE". Examples of non-regulated tanks include ASTs, farm tanks, residential tanks, etc.

The data below is current as of April 03rd 2009

Query Type

HTML



Owner

HTML File (1.9 MB)

Excel File (841 KB)

Tank

HTML File (6.5 MB)

Excel File (2.0 MB)

Facility

[HTML File \(1.3 MB\)](#)

[Excel File \(756 KB\)](#)

[Home Page - Corrective Actions](#)

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Last updated 05/07/2009 14:51:07

Appendix B

Site Photos

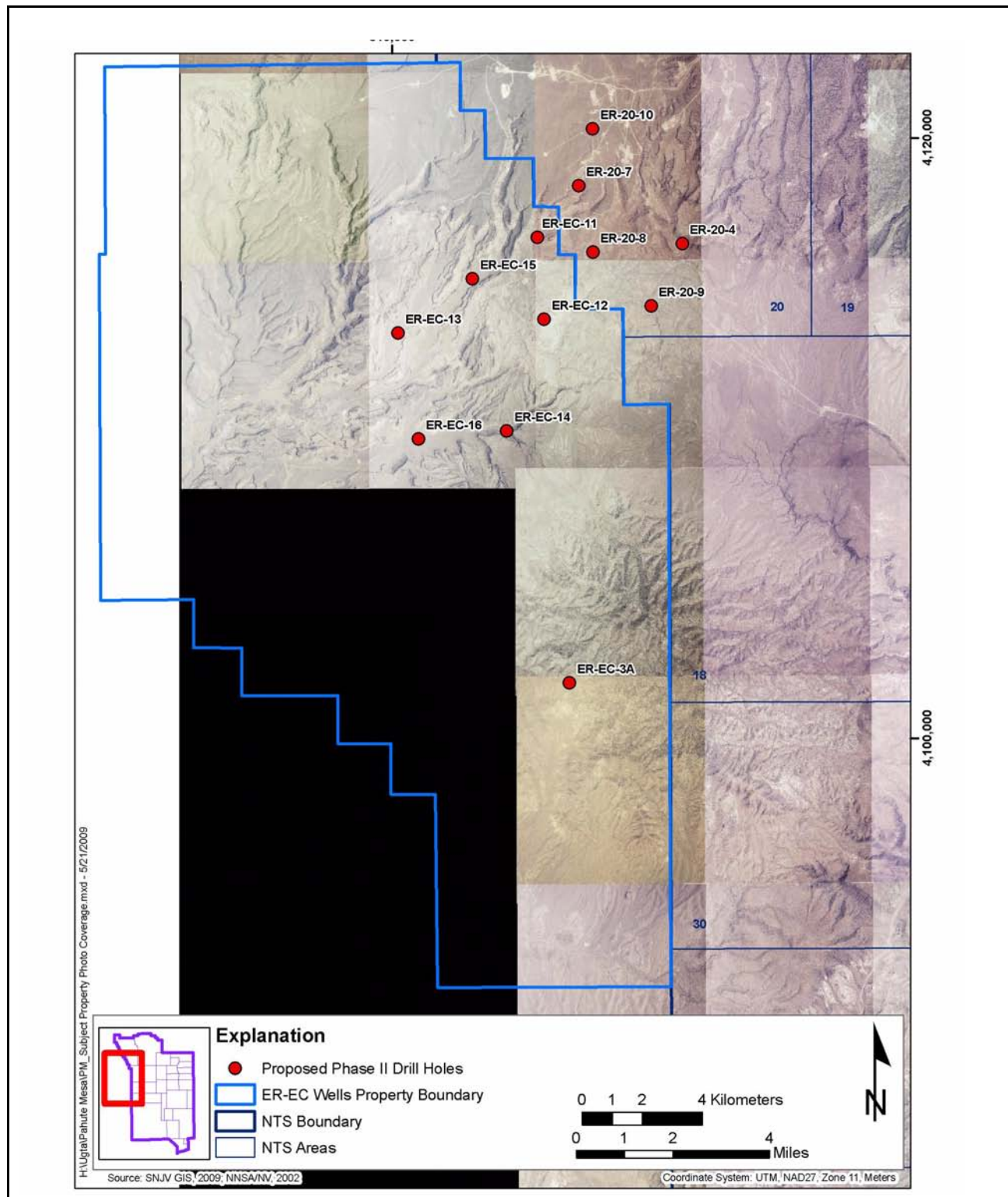


Figure B.1-1
Aerial Photography Coverage

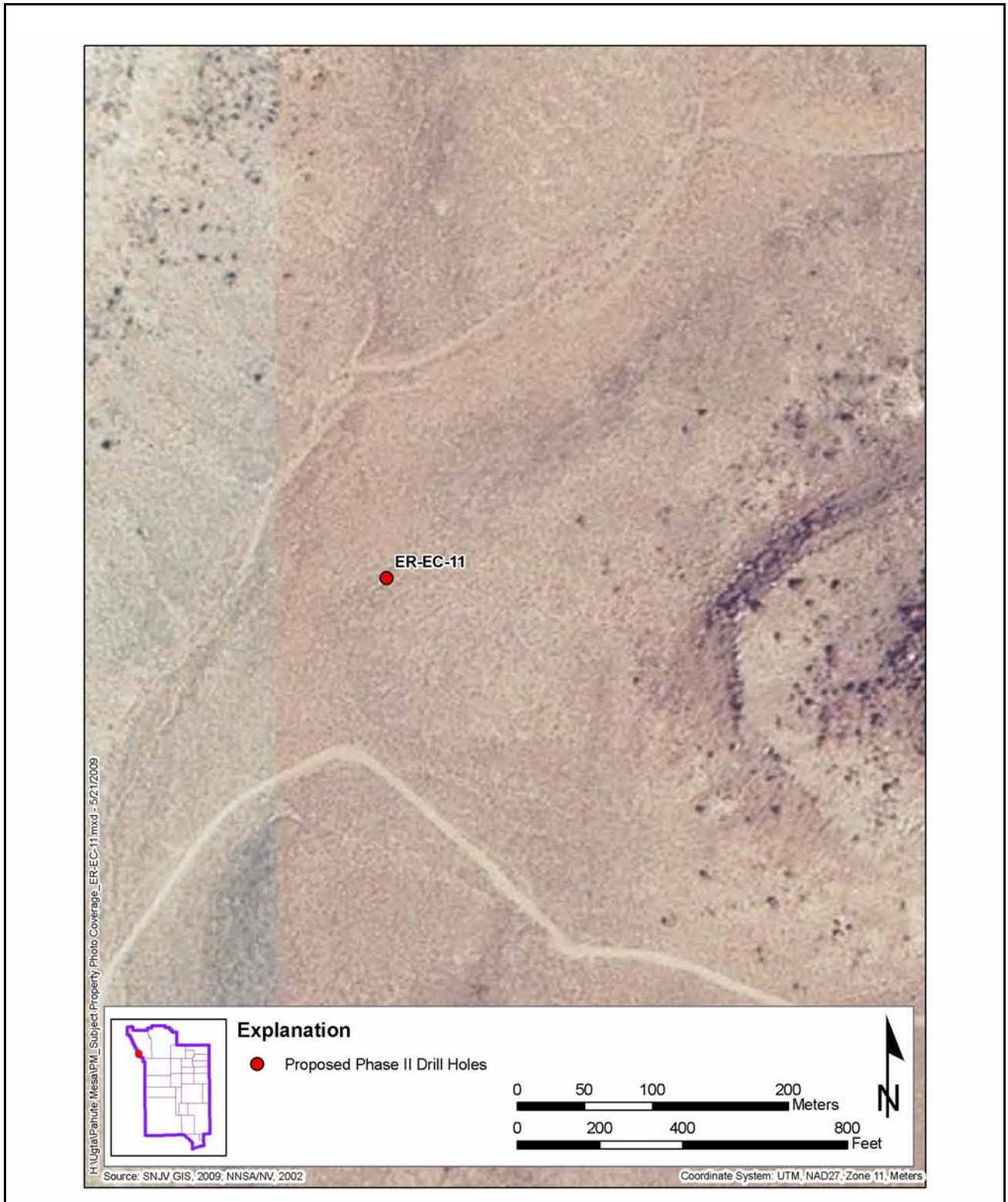


Figure B.1-2
Aerial Photograph of Proposed Well Site ER-EC-11



Figure B.1-3
Proposed ER-EC-11 Well Site View from Southeast Corner toward Northwest (top)
and View from Southeast Corner toward Northeast (bottom)

B.1.0 References

NNSA/NV, see U.S. Department of Energy, National Nuclear Security Administration Nevada Operations Office.

SNJV GIS, see Stoller-Navarro Joint Venture Geographic Information Systems.

Stoller-Navarro Joint Venture Geographic Information Systems. 2009. ESRI ArcGIS software.

U.S. Department of Energy, National Nuclear Security Administration Nevada Operations Office. 2002. *Nevada Test Site Orthophoto Site Atlas*, DOE/NV/11718-604. Aerial photos acquired Summer 1998. Prepared by Bechtel Nevada. Las Vegas, NV.

Appendix C

Desert Research Institute Cultural Resources Inventory

(14 Pages)

**DESERT RESEARCH INSTITUTE
CULTURAL RESOURCES INVENTORY
SHORT REPORT NO. SR102108-1
PROJECT NO. 0903TR**

**A Class III Cultural Resources Inventory of the Relocation of the
Proposed Underground Test Area ER-EC-11 Well Pad,
Range EC South, Nevada Test and Training Range, Nye County, Nevada**

**Prepared by
Robert C. Jones**

DECEMBER 2008

This document is UNCLASSIFIED

Derivative
Classifier _____

Date _____

May be exempt from public release under the
Freedom of Information Act (5 U.S.C. 552),
exemption number and category:

3 - Statutory Exemption

U.S. Department of Energy review required prior
to public release.

Name/Org.: Linda M. Cohn
Cultural Resources Manager

Date: _____

**DESERT RESEARCH INSTITUTE
CULTURAL RESOURCES INVENTORY
SHORT REPORT NO. SR102108-1
PROJECT NO. 0903TR**

**A Class III Cultural Resources Inventory of the Relocation of the
Proposed Underground Test Area ER-EC-11 Well Pad,
Range EC South, Nevada Test and Training Range, Nye County, Nevada**

**Prepared by
Robert C. Jones**

**Prepared for
Department of Energy
National Nuclear Security Administration
Nevada Site Office, Las Vegas**

**Project Director
Colleen M. Beck**

DECEMBER 2008

The work upon which this report is based was supported by the U.S. Department of Energy under Contract #DE-AC52-06NA26383.

**DESERT RESEARCH INSTITUTE
CULTURAL RESOURCES INVENTORY
SHORT REPORT NO. SR102108-1
PROJECT NO. 0903TR**

1. **Report Name:** A Class III Cultural Resources Inventory of the Relocation of the Proposed Underground Test Area ER-EC-11 Well Pad, Range EC South, Nevada Test and Training Range, Nye County, Nevada
2. **Date of Field Operation:** October 21, 2008
3. **Author of Report:** Robert C. Jones
Field Personnel: Barbara Holz and Robert Jones
4. **Project Statistics**
Surveyed Area:
Well Pad - 184 x 184 m (603 ft x 603 ft) - 3.39 hectares (8.37 acres)
5. **Executive Summary**

The Desert Research Institute (DRI) received a request from the U.S. Department of Energy (DOE), National Nuclear Security Administration Nevada Site Office (NNSA/NSO) to conduct a Class III cultural resources inventory of the Relocation of the Proposed Underground Test Area ER-EC-11 Well Pad, Range EC South, Nevada Test and Training Range (NTTR), Nye County, Nevada (Figures 1- 2). The original well pad is being relocated because significant cultural resources (Site 26NY13154) were found within the boundaries of the project area. On October 21, 2008, DRI archaeologists surveyed a 184 x 184 m well pad for the proposed project. The archaeologists found no cultural resources within the project area. DRI recommends that the project proceed as planned as long as all activities remain within the surveyed area.
6. **Agency Lands:** Nevada Test and Training Range

The proposed project area is within Public Lands Administered by the Nellis Air Force Base.
7. **County, State:** Nye County, Nevada
8. **Geographic Area:** Nevada Test and Training Range, Range EC South; IMACS Geographic Unit Oasis Valley (BXE)

9. Access and Location Coordinates

The NTS is in southern Nevada about 97 km (60 miles) northwest of Las Vegas. It is reached by traveling northwest from Las Vegas along US Highway 95 to the Mercury exit and then 8 km (5 miles) north to the town of Mercury. From Mercury, travel north on the Mercury Highway 32.7 km (20.3 mi) to the intersection of Tippipah Highway. Turn west onto Tippipah Highway and travel 14.3 km (8.9 mi) to the intersection of Pahute Mesa Road. Turn west and travel 18.4 km (11.4 mi) to the intersection of Airport Road. Turn west and travel 5.2 km (3.2 mi) to Buckboard Mesa Road. Travel 13.7 km (8.5 mi) west and north on Buckboard Mesa Road to the intersection of an unnumbered dirt road. Turn west and travel 5.4 km (3.5 mi) to the south end of the proposed well pad.

UTM coordinates (NAD 27 - Zone 11) for the proposed project area:

	<u>Easting</u>	<u>Northing</u>	<u>Relationship</u>
Well Pad	544777	4116798	Northwest Corner
	545944	4116721	Northeast Corner
	544699	4116632	Southwest Corner
	544866	4116554	Southeast Corner

10. Relationship to Cadastral markers or Other Permanent Features

No cadastral markers were located during this project.

11. Map Reference: USGS Scrugham Peak, Nev., 7.5' Quadrangle 1986

12. The purpose of the cultural resources inventory is to comply with Section 106 of the National Historic Preservation Act of 1966, as amended.

13. Review of Existing Data

Before beginning fieldwork, a background literature review of the DRI files and the Nevada Cultural Resource Information System files was conducted to determine if any cultural resource inventories had been undertaken near the proposed project areas and if archaeological sites or historic structures have been recorded in or near the project location. Also, Keith Myhrer, Archaeologist Nellis Air Force Base (NAFB), was contacted for information about sites near the project area on file at NAFB. Two sites had been previously recorded (Holz 1998; Jones 2008) within 1.6 km (1 mile) of the project area. Site 26NY11016 is a prehistoric locality that was determined not eligible to the National Register of Historic Places (NRHP). Site 26NY13154 is a special purpose site recorded during the cultural resources inventory of the original well pad.

This research design has been modified from Drollinger et al. (1997) that was written for UGTA wells to be drilled in the upper reaches of the Thirsty Canyon drainage system, ranging from the higher elevations along the south edge of Pahute Mesa in the northern part and the west side of Timber Mountain to the lower elevations within tributaries of the main drainage in the southern part.

PREHISTORIC SITE CONTEXTS

Traditional hunting and gathering groups in the Great Basin maintained a relatively mobile lifestyle. This type of lifestyle is primarily viewed as an environmental adaptation because food resources become available at different times and in varying amounts within a territory of a group or band and the mobility patterns tend to mimic this pattern (cf. Steward 1938). Based on this information, a research objective would involve settlement and subsistence patterns concerning the adaptive strategies employed by the various people in the use and exploitation over the landscape of a given area (Lyneis 1982). A basic assumption to this approach is that activities are differentially distributed over the landscape, both spatially and temporally, according to the availability of resources. A second assumption is that a correlation exists between the types of activities and the types of artifacts deposited during the performance of those activities.

Mid and Upper Elevation Camps

1. Were base camps located at or near the plant collection and processing areas or at sites associated with other resource or cultural functions?

Based on previous investigations, the types of prehistoric cultural resources expected in the current area of investigation are open-air, surface sites composed mostly of lithic artifacts, both chipped-stone and groundstone, with a relatively high proportion being small scatters, localities of few artifacts, and isolates. The types of sites indicate the presence of different activities, including procurement and processing localities.

If base camps are found within the area, their identification would be determined by the diversity of artifacts and material types because several types of activities are performed at base camps. Examples of these include plant processing, storage of goods, food consumption by-products, sleeping areas, cooking areas and middens, tool production (e.g., bows, arrows, digging sticks and basketry), and tool maintenance (e.g., resharpening, lithic tools and rehafting). Archaeological evidence of these activities would be the presence of hammerstones, shaft straighteners/smoothers, late stage reduction and pressure flakes, projectile point proximal fragments, groundstone, awls, drills, scrapers, caches, foundations or outlines of structures, hearths, pit ovens, charcoal, pieces of bone and burned plant remains. In contrast, single-task or specialized sites would contain artifacts specific to that task, with very little diversity in the assemblage. Sites containing different types of activities which are spatially distinct, such as base camps, should be considered eligible under 36 CFR

60.4 (d). In addition, single-task or specialized sites with evidence of repeated use would also be considered eligible under 36 CFR 60.4 (d) because the relationship between the base camp and single-task sites is important in understanding the relationship between resource locations and the camps. Moreover, both of these sites, the base camp and the single task locality with repeated use, have the potential for subsurface deposits because of periodic use over time. However, single-task or specialized sites of limited use would not be considered eligible and would not possess the same potential of buried deposits.

2. Ethnographically, Western Shoshone met at predetermined locations certain times of the year to conduct rabbit hunts and antelope drives. In the fall, they also moved to the woodland zone in the higher elevations to gather pinyon nuts and acorns. Based on this model, what is the relationship between resource availability (i.e., seasonality) and the occupation of the mid to upper elevations and did the people use the same camps at different times during the year in regards to the different optimal harvesting time for various resources?

Archaeological sites identified as camps vary due to function and duration, ranging in complexity from short-term use (e.g., small lithic artifact scatters) to large-scale-base camps (e.g., diverse artifacts and numerous features) and repeated use areas (e.g., dense concentrations of similar artifacts and features). Evidence of seasonal occupations would be indicated by the presence of different types of structures for different seasons of the year, e.g., winter lodges and rockshelters versus warm weather windbreaks. Other archaeological data that would contribute to addressing this question are plant and faunal remains, often found in midden deposits. Reoccupation of base camps during the year can be ascertained through the identification in archaeological context of plant remains which mature and are harvested at different times of the year. Analysis of faunal remains also provides seasonal information as to when the animals were hunted and killed. Sites possessing these data should be considered eligible under 36 CFR 60.4 (d).

HISTORIC SITES CONTEXTS

Although no historic archaeological sites have been identified within or near the present project location, historic sites may be present that are related to mining and military activities. Considering the lack of historic roads, stable water sources, and historic documents to the contrary, other contexts, such as pioneering, ranching, prohibition, transportation and nuclear testing themes, are unlikely to be represented within the project areas. In fact, the project location is in a rugged topographic zone between established historic travel routes, such as Fortymile Canyon to the east (Long 1950) and the route to the Tolicha Peak Mining District at the west end of Pahute Mesa (Drollinger 1994).

This region was explored by miners seeking ore deposits. However, no substantial ore deposits were ever found there (Angel 1881:486). In the Mining Theme discussion in the draft Nellis Air Force Base Cultural Resources Management Plan, a distinction is made between mining locations and mining complexes (Myhrer and Hatzenbuehler 1997). Mining

locations are reflective of small-scale operations of one to only a few people, and mining complexes are large-scale operations with substantial structures, varied artifact assemblages, imported items and a considerable number of people whom were not all actively involved in mining activities. If mining remains are within the project area, they probably will be confined to mining locations where one or two people lived and worked. Such locations are expected to be recorded completely during the fieldwork and do not have the potential to provide data to answer significant regional research questions. Although the probability is low that the cultural resources reconnaissance will locate significant mining complexes, if encountered, they will be evaluated in terms of the pertinent research questions contained in the draft NAFB Cultural Resources Management Plan (Myhrer and Hatzenbuehler 1997).

The NTTR was established in 1940 as the Las Vegas Bombing and Gunnery Range. During World War II, aerial gunnery and bombing training was fully implemented on the range and several airplane runways and associated facilities were developed in order to support training activities (Beck et al. 1996:12). Currently, Range EC South is not used for training exercises and may never have been a focal point of major military activity because no runways or support facilities have been built in this area. However, because of the scant information available, the possibility exists that artifacts may be encountered that relate to both aerial and ground training exercises. Military remains are expected to be confined to small, isolated scatters of items such as munitions and empty food containers. As with the mining remains, if these sites are encountered, they could be completely recorded in the field and are not expected to have the potential to contribute data to answer significant regional research questions.

14. Vegetation

Vegetation in the proposed project area is of the Great Basin Desert *Artemisia nova*-*Chrysothamnus* shrubland association (Ostler et al. 2000). Dominant plant species are Black sagebrush (*Artemisia nova*), green rabbitbrush (*Chrysothamnus viscidiflorus*), Nevada jointfir (*Ephedra nevadensis*), basin big sagebrush (*Artemisia tridentata*), puberulent green rabbitbrush (*Chrysothamnus puberulus*), Joshua Tree (*Yucca brevifolia*), and spiny hopsage (*Grayia spinosa*).

15. Fauna

Fauna observed during the reconnaissance were birds and lizards. Fauna commonly found in the area are kit fox, coyote, bobcat, raven, snakes, desert and Nuttall's cottontail, chukar, Gambel's quail, deer, badger, and antelope.

16. Topography and Soil Composition

The proposed project area is at the base of Pahute Mesa as it transitions into Timber Mountain Caldera. Rocks in the vicinity are generally the nonwelded Trail Ridge Tuff of the

Thirsty Canyon Group originating from the Black Mountain Caldera (Slate et al. 1999:10-12). The shallow soils in the project area are residual and consist of loam, sand and sandy loam. Large boulders are on the slopes and in the drainages.

The project area is in the bottom and on the slopes of a canyon that parallels the base of Pahute Mesa and eventually empties into Thirsty Canyon to the south. The proposed well pad is on the west end of an alluvial ridge and terminates in a wide sandy drainage in the canyon bottom. The pad slopes to the west with elevations ranging from 1,719 m (5,640 ft) in the drainage to 1,731 m (5,680 ft) at the east edge of the well pad. The east and north edges of the well pad are on the alluvial ridge. The south edge of the pad is along an existing dirt road on the ridge and the west edge is in the bottom of the drainage.

17. Nearest Known Water

The nearest natural permanent water sources are south and east of the proposed project area. They are Rattlesnake Seep (13.4 km - 8.3 mi), Ammonia Tanks (19.4 km - 12 mi), and Pahute Mesa Tank (21 km - 13 mi).

18. Field Methods

The area surveyed for the well pad was 184 x 184 m. The well pad was inspected using 20 m (66 ft) parallel pedestrian transects. All information was recorded on DRI forms. The proposed project area is the area of potential effect.

19. Description of Cultural Resources

No cultural resources were found within the project area.

20. National Register Recommendation and Historic Context

Not Applicable

21. Assessment of Impact to Historic Properties

Not Applicable

22. Recommendations

DRI recommends that the project proceed as planned as long as all activities remain within the surveyed area.

23. Submitted by:

Dr. Colleen M. Beck
Project Director

Date

24. References Cited

Angel, M.

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Beck, Colleen M., Nancy G. Goldenberg, William G. Johnson, and Clayton Sellars

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Holz, Barbara A.

1998 *A Class III Cultural Resources Reconnaissance of the Proposed Underground Test Area Well ER-EC-6 Pad, Borrow Pit and Access Road, on the Nevada Test Site and Nellis Air Force Range EC South, Nye County, Nevada*. Cultural Resources Reconnaissance Short Report No. SR042798-2, Desert Research Institute, Las Vegas, Nevada.

Jones, Robert C.

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1999 Digital geologic map of the Nevada Test Site and vicinity, Nye, Lincoln, and Clark Counties, Nevada, and Inyo County, California. U.S. Department of the Interior, Washington, D.C.

Steward, J.H.

1938 *Basin-Plateau Aboriginal Sociopolitical Groups*. Bureau of American Ethnology Bulletin 120, Smithsonian Institution, Washington, D.C. Reprinted by University of Utah Press, Salt Lake City, 1970.

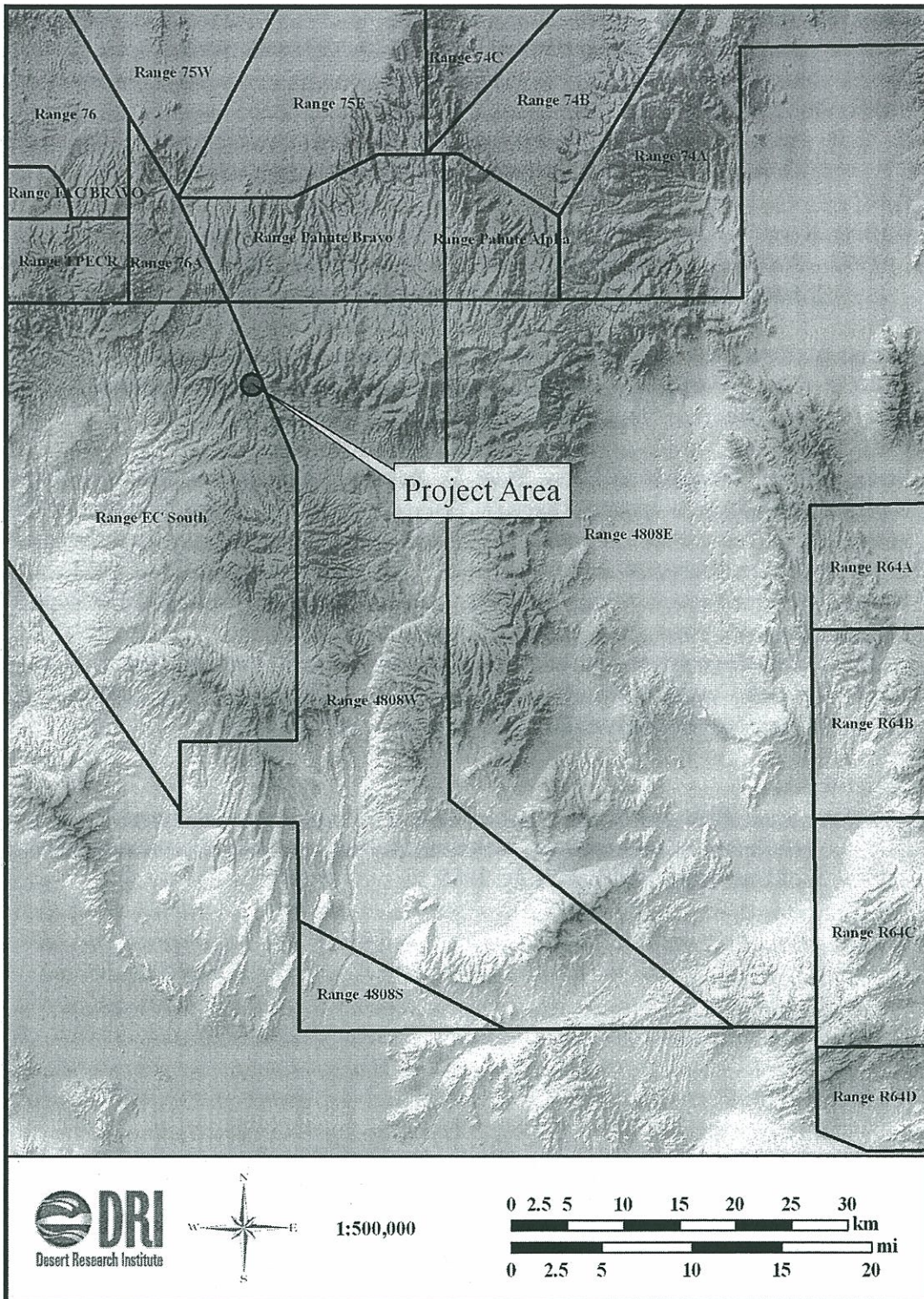


Figure 1. Location of the project area for the ER-EC-11 well pad relocation on the NTTR.

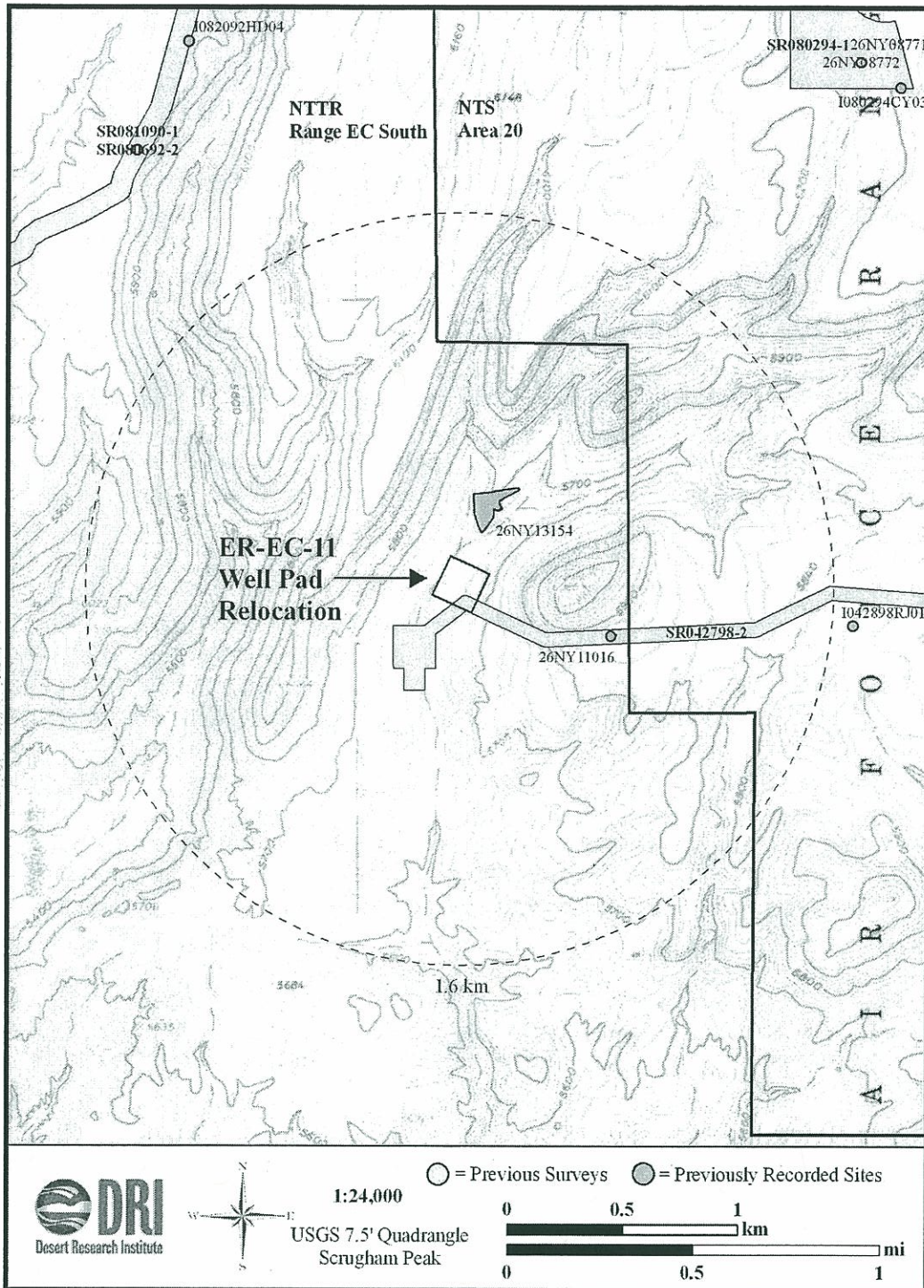


Figure 2. Location of the ER-EC-11 well pad relocation, previous surveys, and previously recorded sites on the NTTR.



May 20, 2009

Lori Plummer
Acting Team Leader, Environmental Protection Team
National Nuclear Security Administration
Nevada Site Office
P.O. Box 98518
Las Vegas, NV 89193-8518

SUBJECT: Contract No. DE-AC52-06NA26383 – ER-EC-11, American Indian Consultation

Dear Lori,

In regard to American Indian consultation at ER-EC-11, the spokesperson for the Consolidated Group of Tribal Organizations, Richard Arnold, spent two days evaluating the area in October 2008. The first trip to the proposed ER-EC-11 location was on October 2nd. During this visit, Mr. Arnold concurred with the archaeological findings and recommendation to relocate the well pad in order to protect cultural resources of concern. During the subsequent trip on October 15th, he participated in discussions to consider an alternate location for the well pad. The alternate was identified and Mr. Arnold agreed that the relocated area appeared to be more suitable for the project. This conclusion was based on the understanding that if sensitive cultural resources were found during the archaeological inventory, he would then return to evaluate potential cultural significance. No cultural resources were identified within the area of potential effect at the new location for ER-EC-11.

Please contact me at 862-5323, if you have any questions or need additional information.

Sincerely,

A handwritten signature in blue ink that reads "Colleen M. Beck".

Colleen M. Beck
Project Director

cc: B. Wilborn, DOE
C. Russell, DRI
J. Chapman, DRI
Chron, DRI

Appendix D
Biological Resources Inventory

(2 Pages)

Project Name: UGTA ER wells and borrow pit (Request #08-19)

**Site Names/
Locations:** UGTA ER wells and borrow pit – Areas 20
ER-EC 20-07: 546100E 4118628N
ER-EC 20-08: 546605E 4116417N
ER-EC 20-11: 544897E 4117261N
Borrow pit: 547765E 4120600N
Coordinates in Universal Transverse units, meters, North American Standard 1983, Zone 11.

Survey Date(s): September 4, 16, and 24, 2008

**Field Personnel/
Report Author:** Kent Ostler, Dennis Hansen/Kent Ostler

**Vegetation
Associations:** ER well sites are in *Artemisia tridentata*-*Artemisia nova* shrubland associations. The burrow pit is mostly disturbed with areas of undisturbed *Artemisia tridentata* shrubland associations

Area Surveyed: 21.55 hectares (53.25 acres)

Survey Results:

These sites are located in the northwestern part of the NTS in Area 20 with ER-EC-11 being located just west of the NTS boundary. The project involves the clearing of vegetation, soil movement and building of drill pads with access roads to those pads. Vegetation will also be cleared around an existing borrow pit and the pit expanded to provide materials for the drill pads and roads. Biologists conducted biological surveys of these sites on September 4, 16 & 24, 2008. A 10 m buffer was surveyed around each site. This brought the total area surveyed to approximately 21.55 ha.

All of the ER-EC sites are located outside the geographical range of the desert tortoise (Figure 1). For ER-EC 20-07, there has been one sighting of burrowing owls approximately 3.5 km to the northwest of this site. There is a population of the sensitive plant species, Darwin's Buckwheat (*Eriogonum concinnum*) approximately 0.1 kilometers north of this site where the new access road will start. For ER-EC 20-08, there have been no sightings of sensitive animal species within 3.0 km of this site. There is a population of the sensitive plant species, Beatley's milkvetch (*Astragalus beatleyae*) approximately 1.7 kilometers west of this site. For ER-EC 20-11, there have been no sightings of sensitive animal species within 3.0 km of this site. There is a population of the sensitive plant species, Beatley's milkvetch (*Astragalus beatleyae*) approximately 1.1 kilometers south of this site. For the borrow pit, there has been no sightings of sensitive animals species within 3.0 km of this site. There is a population of the sensitive plant species, Darwin's Buckwheat (*Eriogonum concinnum*) approximately 1.6 kilometers south of this site. These areas were surveyed for the presence of sensitive plant and animal species and for any important biological resources such as active raptor nests.

No sensitive plant or animal species were found during these surveys.

Mitigation Recommendations:

- Project activities should be restricted to within the areas surveyed.

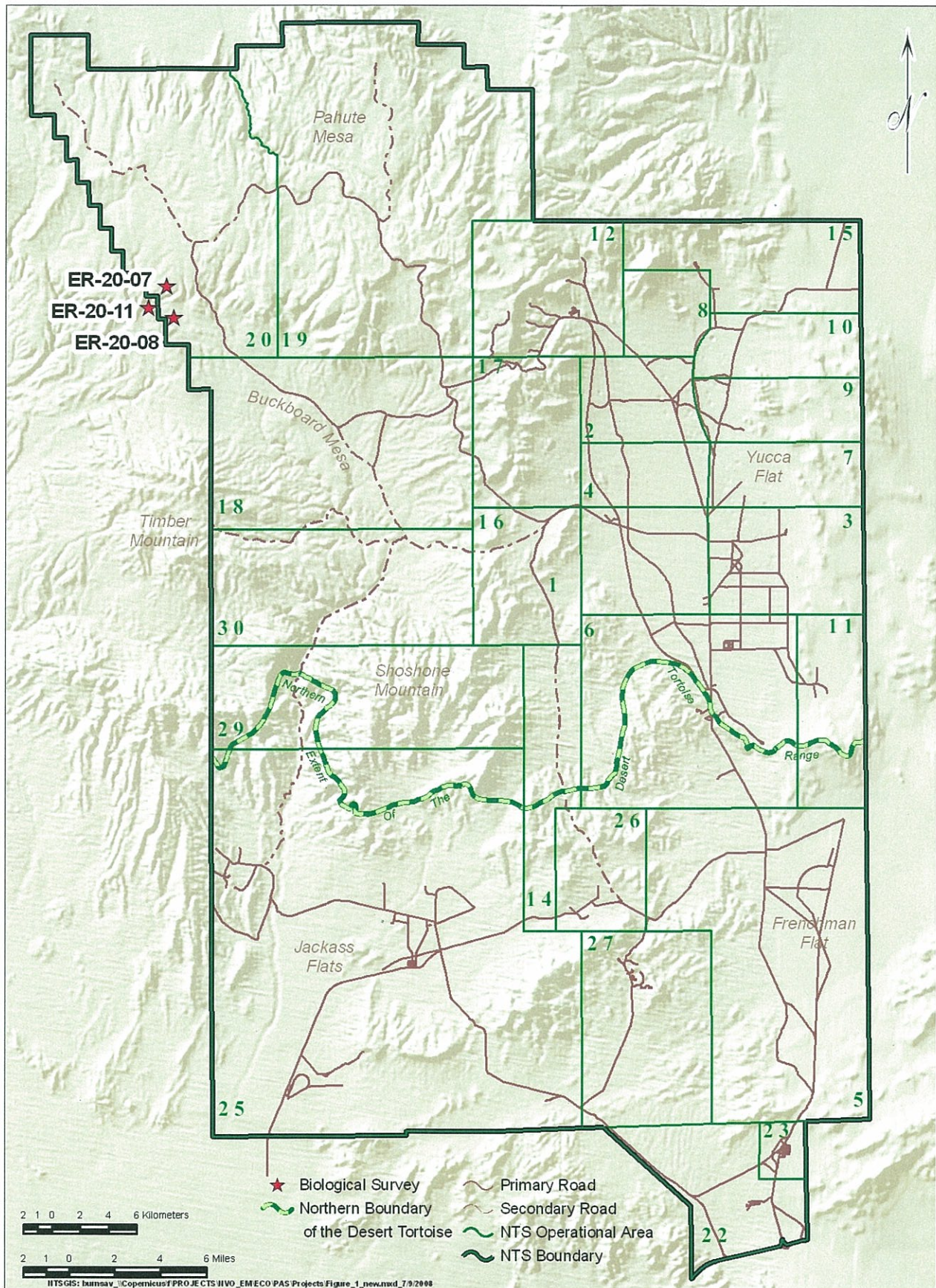


Figure 1. Survey locations for UGTA ER-EC well sites (#08-19) on the NTS.

Appendix E

Interviews with Subject Matter Experts

(4 Pages)

Interview: Roger T. Schofield, CIV USAF ACC 98 RANW/XPL

Interview conducted May 6, 2009, via teleconference

SNJV staff present: John Fowler, Joe Molter, and Barbara Quinn

Purpose: The Air Force requires an Environmental Baseline Survey (EBS), as per Air Force Instruction 32-7066, before the Nevada Underground Test Area Project drills wells in the EC-South range in the Nevada Test and Training Range (NTTR). Section 2.1.1.5 of the instruction states interview current and former employees involved in operations on the subject property. The EBS requires the discovery of past uses of land, potential hazardous contamination, historical spills, and utilities.

Question: What is the status of the title of the land? Bureau of Land Management (BLM)? Air Force (AF)?

Response: The EC-South range is a sub range of the Nevada Test and Training Range, BLM lands withdrawn for USAF use. The latest withdrawal Public Law 106-65, Title XXX, Military Lands Withdrawal Act of 1999. The NTTR has been used as a bombing range since the 1940s. During the 1970s and 1980s, EC-South was part of Range 76.

Question: What has the EC-South Range been used for? (3.1)

Response: The area has primarily been used as airspace. In the 1970-1980s several threat pads were established in the central portion of EC-South and used for the Wild Weasel Program. There is one target that was used for dropping inert weapons in the same area. I do not know the time period this target was active.

Question: Were there structures built? (3.1)

Response: Concrete pads were constructed as part of the Wild Weasel project in the 1970-1980s. Two power lines run through EC-South, one along the main entrance to the TPECR compound and the other to the Wild Weasel Pads. Both lines are several miles west of UGTA's proposed hole location. The only structures on EC-South are the guard shack structures and the threat pads. There is a perimeter fence along Highway 95. The EC-south range has two UNR monitored seismic stations in EC-South; one near Timber Mtn and the other southwest of the threat pads.

Question:

Excavations? Only for the three borrow pits.

Storage Tanks? One small portable diesel storage tank at the guard shack for emergency power.

Aboveground Storage Tanks? (3.5.1) One small portable diesel storage tank at the guard shack for emergency power.

Underground Storage Tanks? (3.5.2) None known.

Pipelines, Hydrant Fueling, and Transfer Systems? (3.5.3) None known.

Oil Water Separators? (3.6) None known.

Pesticides? (3.7) None known.

Medical or Bio-hazardous Waste? (3.8) None known.

Response: We have three borrow pits on EC-South, none near the well sites. We have a small portable diesel storage tank associated with an emergency generator for the guard shack. I do not know of another underground storage/piping on EC-South.

Question: Described the Ordnance associated with the Wild Weasel activities and any other activities at the EC-South Range? (3.9) Were there any depleted uranium rounds that may result in Radioactive Material or Wastes? (3.10)

Response: The Wild Weasel Project was part of the F4 Program during the early 1970-1980. The Wild Weasel Program was program to detect and eliminate surface to air missile systems. "Enemy" threat systems were operated from the pads and the aircraft would detect and make attack runs against them. I have no knowledge that the Wild Wesel program used the inert target. I have no record of what program used the inert target. There were no DU rounds fired. The Wild Weasel project was about five miles west of the area that we are proposing well sites.

Question: Have there been plane crashes at the EC-South range?

Response: I have no record of aircraft crashes in the EC-South area. However since there has been over flight of the area since the 1940s, there is a possiblility of inadvertent drops in the area. Also aircraft will jettison stores for safety reason. A thorough inspection of the project area is warranted to ensure there are no un-anticipated items.

Question: Are there any old mines or cabins identified in EC-South?

Response: There are the Yellow Gold and Clarkdale mines in the far western corner of EC-South. I do not know of any mihnnes or cabins in the vicinity of the proposed wells. There is one decorative rock quarry just off the EC-South lands in the southern edge adjacent to Beatty. It is operated by Mr. Spicer.

NOTE: The map that was provided by the AF indicates one mine in the SE portion and one mine in the north-west portion of the EC-South range.

Question: Have hazardous materials been used or stored during past operations? None known.

Petroleum Products or Waste (3.3.1) None known.

Hazardous Materials or Waste (3.3.1) None known.

Radioactive Material (3.10) None known.

Response: I do not know of any military activities that that had used or stored hazardous materials or wastes.

Question: Are there any disposal sites in EC-South?

Construction debris? (3.1, 3.11) None known.

Sanitary? (3.1, 3.11) None known.

Ordnance? (3.9) The only known ordnance is inert ordnance dropped in the vicinity of the target.

Response: He does not recall any operations that established disposal sites.

Question: Have there been any permits, authorizations, or approvals for:

Wastewater Treatment, Collection and Discharge? (3.13) None known.

Drinking Water Quality? (3.14) None known.

Asbestos? (3.15) None known.

Polychlorinated Biphenyls? (3.16) None known.

Radon? (3.17) None known.

Lead-Based Paint? (3.18) None known.

Response: The only structures on EC-South range are the concrete pads (targets for Wild Weasel), guard shacks, and a fence along highway 95. The guard shacks do not have plumbed facilities (thus no discharge system). There is a power line into the EC-South range, but it terminates approximately 2 miles from the areas the UGTA program will be accessing. The Tolicha Peak compound has a drinking water well. Biggest impact on the EC-South range in recent years is the UGTA activities and Native Americans visiting.

Question: Have there been regulatory compliance inspections/issues in the EC-South Range?
None known.

List of Compliance Issues (5.1) None known.

Description of Corrective Actions and estimates of alternatives (5.3, 5.4) None known.

Response: The regulators visit the active projects. This area is used for airspace; so therefore the regulators do not visit/inspect this range.

Question: What were the uses of adjacent properties? (4.0)

Are there surveys? (4.2) None known.

Response: Properties adjacent to the EC-South range are owned by the BLM and by private citizens. Privately held land may include the ranch off the Fleur de Lis Road and Springdale Ranch both on the southwest boundary of the EC-South Range. He suggested contacting Tom Seley, 775-482-7801 at the BLM office in Tonopah to get additional information.

Question: Do you have other information that may enhance the environmental survey?

Aerial and Site Photos

Maps

Additional Reference Material

Response: He sent a map to us which shows details of the EC-South Range. He also sent us a copy of the "*Final Environmental Statement for the TFWC Range Complex*," Nellis Air Force Base, May 1976

Interview: Kevin Krenzien, Environmental, Safety, and Health Manager for Mantech/SRS

Interview conducted May 11, 2009, via teleconference

SNJV staff present: John Fowler and Joe Molter

Purpose: The Air Force requires an Environmental Baseline Survey (EBS), as per Air Force Instruction 32-7066, before the NNSA/NSO Environmental Restoration Project Underground Test Area (UGTA) Sub-Project drills wells in the EC-South range in the Nevada Test and Training Range (NTTR). Section 2.1.1.5 of the instruction states interview current and former employees involved in operations on the subject property. The EBS requires the discovery of past uses of land, potential hazardous contamination, historical spills, and utilities.

The National Biennial RCRA Hazwaste Report based on 2007 data, listed NTTR, EPA ID number NV5570024112, as having generated 3.0 tons of hazardous waste during the reporting period.

Question: What facility and/or property is this data actually associated with?

Response: Kevin responded that the waste listed as being on NTTR was shipped from TTR and included waste generated from TTR, Tolicha Peak Electronic Combat Range, and Tonopah Electronic Combat Range. The waste was not generated from the subject property. In addition, no known spills or releases have occurred on the subject property.